

Prof. Dr. Lidia BENEĂ
 Competences (Research) Centre
 Interfaces – Tribocorrosion and Electrochemical Systems (CC-ITES)
 Faculty of Engineering
 Dunarea de Jos University of Galati
Lidia.Benea@ugal.ro
<http://www.cc-ites.ugal.ro/>
<http://www.researcherid.com/rid/B-9653-2011>

**Universitatea „Dunarea de Jos” din Galati
 Facultatea de Inginerie
 Departamentul I.M.S.I.**

**FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NECESARE ȘI
 OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN
 ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE-
 DEZVOLTARE**

CENTRALIZATOR

Domeniul: Ingineria Materialelor

Profesor, dr. chim. BENEĂ Lidia

Condiții	Îndeplinire condiții	
A. Doctor	DIPLOMA DE DOCTOR Seria N, Nr. 001335, emisă în baza Ordinului Ministrului Învățământului nr. 3543 din 03 aprilie 1996.	
B. Îndeplinirea standardelor minime naționale conform: Ordinului ministrului educației, naționale și cercetării științifice nr. 6129 / 2016. [MENCS nr. 6129/2016] [Susținere abilitare, Domeniul <i>Ingineria Materialelor</i>, Comisia CNATDCU [Anexa nr. 7].	Standarde îndeplinite, conform Comisiei CNATDCU Nr. 7 - COMISIA DE INGINERIA MATERIALELOR. Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minime Profesor [Punctaj]	Minim prevăzut	Realizat/ punctaj si %
A1. Activitatea didactică și profesională.	60	342.85 570.85 %
A2. Activitatea de cercetare.	320	2218.18 693.18 %
A3. Recunoașterea și impactul activității (A3)	120	5542.96 4619 %
TOTAL A	500	8103 1620.73 %
Condiții minime obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
A1: Activitatea didactică și profesională	60	342.512
A1: 1.1. Carti și capitole în carti de specialitate.	-	8 din care
1.1.1 Carti / capitole ca autor: 1.1.1.1. Internationale	-	3 - internaționale din care: 2 prim autor
1.1.1 Carti / capitole ca autor: 1.1.1.2. Nationale	2 din care 1 ca prim autor	5 - naționale din care: 5 prim autor
1.1.2 Carti/ capitole ca editor	-	3
A1: 1.2. Material didactic / Lucrari didactice	-	5
1.2.1 Manuale didactice / Monografii (minim 2)	2	2
1.2.2 Indrumatoare de laborator/aplicatii.	-	3
A2: Activitatea de cercetare	320	2218.18

A2: 2.1. Articole în reviste cotate ISI Thomson Reuters si în volume indexate ISI proceedings	15	77
Din care: Minim 10 în Reviste cotate ISI Th.R.	10	46
Minim 5 lucrări în Reviste cotate ISI Th.R. cu $F.I. \geq 1$	5	35
Minim 5 lucrări ISI ca autor principal cu $F.I. \geq 0.5$	5	26
A2: 2.2. Articole în reviste si volumele unor manifestaristiintifice indexate în alte baze de date internationale [BDI], în specificul postului scos la concurs.	-	72.37
A2: 2.2. Articole în reviste si volumele unor manifestaristiintifice indexate în alte baze de date internationale [BDI], în specificul postului scos la concurs.	-	Realizat: 56 din care: 34 în Anale BDI (B+) 22 în Vol. Conf. BDI
A2: 2.3. Brevete de invenție	-	11 brevete 2.49 puncte
A2: 2.3.1. Naționale		2.49
A2: 2.4. Granturi/proiecte de cercetare câștigate prin competiție / Contracte cu agenți economici, minim 10000 echivalent Euro încasați. [punctaj]		670
A2: 2.4. Granturi/proiecte de cercetare câștigate prin competiție / Contracte cu agenți economici, minim 10000 echivalent Euro încasați. [condiții minimale].	2	14: din care: 11 Internationale. 3 Naționale.
A2: 2.1. Granturi/proiecte de cercetare ca Director .	1	11 Director Internationale 3 Director naționale
A3: Recunoașterea și impactul activității	120	5542.96
A3: 3.1. Citări în reviste cotate în ISI [FI Factor de Impact] și în alte BDI (FI se referă la revista în care a fost publicat articolul care citează).	-	3358.96
3.1.1. Citări ISI	-	3358.96
3.1.1. Citări ISI: Minim 30 citări în ISI pentru Profesor.	30	963
3.1.2. Citări BDI	-	necalculat
A3: 3.2. Prezentări invitate prezentate în plenul unor conferințe naționale și internaționale și Profesor invitat (exclusiv Erasmus).	-	316
A3: 3.3. Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice / Recenzor pentru reviste și manifestări științifice naționale și internaționale.	-	118
A3: 3.4. Expert evaluare proiecte cercetare	-	1750
C. Atestarea studiilor (Diplomă + Foi Matricole) și a altor realizări profesionale.	DIPLOMA DE LICENȚĂ în CHIMIE în profilul CHIMIE, specializarea CHIMIE, 25923, Nr. 493/06-03-1978, emisă de INSTITUTUL POLITEHNIC DIN BUCUREȘTI, Facultatea de CHIMIE. FOAIE MATRICOLĂ 12 / 1973, Anexă la Diploma 259293-493.	
	DIPLOMĂ DE ABSOLVIRE cursuri postuniversitare în domeniul de specializare COROZIUNE ȘI PROTECȚII ANTICOROZIVE , în anul universitar 1985-1986, emisă de INSTITUTUL POLITEHNIC BUCUREȘTI. Diploma Seria B, Nr 2392, eliberată cu nr. 142 din 30-04-1993.	
	1999: Atestat stagiu post doctoral în ELECTROCHIMIE la: Laboratoire Physique des Liquides et Electrochimie, Université Pierre et Marie Curie, Paris - Franța. 1998: Atestat stagiu post doctoral NATO în ȘTIINȚA MATERIALELOR . la Ecole Centrale	



Paris, Franța.

1999-2015 (perioade de 1-6 luni): **Atestate de Profesor și cercetător invitat la:**

-Universitatea Trento, Facultatea de Ingineria Materialelor, Trento, Italia.
-Ecole Centrale Paris, Franța. Laboratoire Génie des Procédés – Matériaux.Chatenay Malaby, France.
-Katholieke Universiteit Leuven, Department Metallurgy and Materials Engineering, Surface Engineering Laboratory, Belgia.

CERTIFICAT DE APRECIERE din partea Societății Americane de Chimie pentru activitatea de recenzie a articolelor trimise la ACS Publications.

EXCELLENCE DIPLOMA: for Scientific and Technological Research Activity done in the frame of Bilateral cooperation Romania - France, Framework Programme "Brâncuși-Humbert Curien".

Awarded in 2016 by: France Embassy in Romania and Romanian National Authority for Research and Innovation (ANCSI).

DIPLOMA of SILVER MEDAL, awarded in 2017 by EUROINVENT 2017 - EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION. for invention patent: Co/nano-ZrO₂ functional surfaces obtained by electrodeposition.

HIGHLY CITED RESEARCHER DESIGNED by Thomson Reuters as a 2016 Highly Cited Researcher because my work has been identified as being among the most valuable and significant in the field.

DIPLOMA DE EXCELENȚĂ pentru activitatea deosebită în domeniul COROZIUNII ȘI PROTECȚIEI ANTICOROZIVE. Conferită de Universitatea Tehnica Cluj –Napoca și BETAK S.A., 17 septembrie 2010.

CONDUCĂTOR DE DOCTORAT în domeniul INGINERIA MATERIALELOR conform OM nr. 1805/20.08.2007.

* bazele de date internaționale (BDI) luate în considerare pentru articole publicate în reviste și în volumele unor manifestări științifice, cu excepția articolelor în reviste cotate ISI, sunt cele recunoscute pe plan științific internațional precum (nelimitativ) : Scopus, IEEE Xplore, Science Direct, Elsevier, Wiley, ACM, DBLP, Springerlink, Engineering Village, Cabi, Emerald, CSA, Compendex, INSPEC, Referativna Jurnal, Google Scholar.

Subsemnata, BENEA Lidia, profesor la Facultatea de Inginerie, Universitatea Dunărea de Jos din Galați, arondat Comisiei de Specialitate CNATDCU [OMECTS 6560/2012] Nr. 7, COMISIA DE INGINERIA MATERIALELOR, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, că sunt îndeplinite toate Standardele minimale prevăzute de Metodologia UDJG și OMECTS 6560/2012 [C+P], pentru reatestarea titlului de profesor și abilitarea de conducere de doctorat, în momentul evaluării, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la această dată.

BENEA Lidia

Data,
08 octombrie 2017

Prof. Dr. Lidia BENEĂ
Competences (Research) Centre
Interfaces – Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
Dunarea de Jos University of Galati
Lidia.Benea@ugal.ro
<http://www.cc-ites.ugal.ro/>
<http://www.researcherid.com/rid/B-9653-2011>

Științe inginerești **Ingineria Materialelor**
Fișă de verificare a îndeplinirii standardelor minimale: Prof. Dr. Lidia BENEĂ
COMISIA 7: INGINERIA MATERIALELOR. **Anexa 7**

Formula de calcul a indicatorului de merit (A = A1+A2+A3):
$$A = \sum_i n_{1i} \cdot k_{1i} + \sum_i n_{2i} \cdot k_{2i} + \sum_i n_{3i} \cdot k_{3i}$$

Standarde minimale cerute conform Ordinul ministrului educației,
naționale și cercetării științifice nr. 6129 / 2016 [MENCS nr. 6129/2016]

Condiții minimale (A _i)*: A1 + A2 + A3			
Nr. crt.	Categoria		
	Domeniul de activitate	Criterii minime Profesor	Criterii realizate (Îndeplinite) și %
1	Activitatea didactică/profesională (A1) **	Minim 60 puncte	Realizat = 342.512 % Îndeplinire = 570.85 %
2	Activitatea de cercetare (A2)	Minim 320 puncte	Realizat = 2218.18 % Procente îndeplinire = 693.18 %
3	Recunoașterea impactului activității (A3)	Minim 120 puncte	Realizat = 5542.96 % Procente îndeplinire = 4619 %
TOTAL		500 puncte	Realizat : 8103.652 Procente îndeplinire = 1620.73 %

unde: A_i – suma activităților din categoria menționată

n_{ij} - numărul activităților din categorie.


k_{pi} - coeficient specific tipului și categoriei de activitate.

Perioada de calcul după primirea diplomei de Doctor- 1996 (1997 – 2016)




Activitatea didactică și profesională (A1)

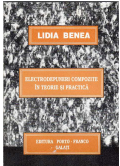


Activitatea didactică /profesională (A1) Profesor **	(A1) Criteriu Îndeplinit (1.1. + 1.2.)
Minim 60 puncte	286.54 + 56.012 = 342.512 % Procente îndeplinire = 570.85 %




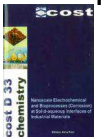
1.1 Carti și capitole în carti de specialitate 13	TOTAL 1.1. (A1) = 286.50 [(1.1.1. = 196.20) + (1.1.2. = 90.34)] TOTAL 1.2. (A1) = 56.012
---	---





Categorii și restricții	1.1.1. = 196.20 + 1.1.2. = 90.34 TOTAL CAPITOL: 1.1. = 286.5	Subcategorii	Indicatori (kpi)
1.1.1 CARTI / CAPITOLE CA AUTOR	1.1.1.1. (1). Chapter in the book: Electrochemistry in light water reactors: Reference electrodes, measurement, corrosion and tribocorrosion issues (EFC 49).	1.1.1.1 Internationales nr.pagini / (2 x nr. autori)	17 / (2x5) 1.70
1.1.1.1. Internaționale	 ISBN 1 84569 240 3, ISBN-13: 978 1 84569 240 7. April 2007 Editura Woodhead Publishing Limited, Abington Hall, Abington, Cambridge, CB1 6AH, England; PART 3 ELECTROCHEMISTRY AND TRIBOCORROSION ISSUES. Tribocorrosion of stellite 6 alloy: mechanism of electrochemical reactions. pp. 195-211 F Wenger and P Ponthiaux, Ecole Centrale Paris, France, L. Benea, Dunarea de Jos University of Galati, Romania, J Peybernès, Commissariat à l'Energie Atomique (CEA) and A Ambard, Electricité de France (EDF), France.		
1.1.1.2. Naționale Criteriu minimal: Profesor minim 2, din care cel puțin 1 ca prim autor	1.1.1.1. (2). Chapter in the book: Project Report. <u>Lidia BENEĂ</u> : CH10. Nanostructured composite coatings obtained by electrodeposition to be used in tribocorrosion systems: processing and properties		10 / 2(x 1)


5.00

<p>Realizat: 8 din care: 3 - Internaționale, din care: 2 ca prim autor</p> <p>5 - Naționale din care: 5 ca prim autor.</p>	<p>investigations. pp. 69-79. COST ACTION 532, Materials, Physical and Nanosciences. Triboscience and tribotechnology superior friction and wear control in engines and transmissions.</p>  <p>EUR 23308. ISBN: 978-92-898-0040-2 ESF COST Office Brussels, Belgium, 2008.</p>		
	<p>1.1.1.1.(3). Chapter in the book: L. Benea, F. Wenger, P. Ponthiaux, J.P. Celis. Tribocorrosion behaviour of Ni-SiC nanostructured composite coatings obtained by electrodeposition. pp. 119-130. Vol I Chapter II, Nanotechnologies & NanoTribology Book: ECOTRIB 2007.</p>  <p>ISBN: 978-961-90254.</p>		<p>12 / (2x4) 1.50</p>
	<p>1.1.1.2. (1) Autor: Lidia BENEĂ. Coroziune și Protecții Anticorozive - De la Teorie la Practică.</p>  <p>Editura: Academica. 400 pagini. ISBN 978-973-8937-99-4 400 pagini / 5 x 1 autor</p>	<p>1.1.1.2 Nationale nr.pagini / (5 x nr.autori)</p>	<p>400 / (5x1) 80.00</p>

<p>1.1.1.2. (2). Lidia BENEĂ. ELECTRODEPUNERI COMPOZITE – IN TEORIE SI PRACTICA. COMPOSITE ELECTRODEPOSITION: THEORY AND PRACTICE.</p>  <p>Editura PORTO FRANCO, 1998; 187 pagini, ISBN 973 557 490 X.</p>		<p>187 / (5x1) 37.40</p>
<p>1.1.1.2. (3). Lidia. BENEĂ; CHIMIE GENERALĂ, Edit. Academica, 2009, 315 pagini.</p>  <p>ISBN 978-973-8937-45-1.</p>		<p>63.00</p>
<p>1.1.1.2. (4). Autor: Lidia Benea. Tehnologie Chimică Generală.</p>  <p>Editura Cartea Universitară, București, 2005. 350 pagini, ISBN: 973-731-106-X. 350 pagini / 5 x 1 autor</p>		<p>La capitolul 1.2.1.</p>
<p>1.1.1.2. (4). Capitol in carte: Lidia BENEĂ. Electrodepuneri compozite – Realizări, perspective (Composite Electrodeposition – Achevements and Perspectives. pp.107 -125. (19 pg) In cartea: Tehnologii , Calitate, Mașini, Materiale – ECOLOGIE – ACOPERIRI METALICE – COROZINE.</p>		<p>3.80</p>

	 <p>Editura Tehnică. Septembrie 1997. 360 pagini. ISBN: 973-31-1113-9</p> <p>1.1.1.2. (5). Capítol în carte: Lidia BENEĂ. Codepunerea particulelor ceramice de ZrO₂ și SiC în matrice de nichel (Codeposition of Ceramic Particles of ZrO₂ and SiC in Nickel Matrix). pp. 183- 201. (19 pg) În cartea: Tehnologii , Calitate, Mașini, Materiale – TEHNOLOGII NOVATIVE PREZENT ȘI PERSPECTIVE.</p>  <p>Editura Tehnică. Noiembrie 1997. 516 pagini. ISBN: 973-31-1139-2. ISBN: 973-31-1141-4</p>		3.80
<p>1.1.2. CARTI / CAPITOLE CA EDITOR</p> <p>1.1.2.1. Internaționale -</p> <p>1.1.2.2. Naționale</p> <p>Realizat: 3</p>	<p>1.1.2.1. (1) Editor Lidia BENEĂ. Coroziune și Protecții Anticorozive - De la Teorie la Practică.</p>  <p>Editura: Academica. 400 pagini. ISBN 978-973-8937-99-4 400 pagini / 7 x 1 editor</p> <p>1.1.2.1. (2). Editori: L. Benea, G. Cârâc; 2009 Limba engleza. Action Number: COST D33. Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-Aqueous Interfaces of Industrial Materials – Final Workshop. Ed. Alma Print.</p>  <p>http://www.cost.esf.org/library/publications/(pbno)/8</p>	<p>1.1.2.2 Naționale nr.pagini / (7 x nr.autori)</p>	<p>57.14</p> <p>16.60</p>

	<p>ISBN/ISSN: 978-973-1937-09-0 (100 pagini)</p> <p>1.1.2.1. (3). Editor: Prof. Univ. Dr. Lidia BENEĂ, Assoc. Prof. Dr. Simion BALINT DVD Proceedings Volume: COST D33 Final Workshop, May 13th May 15th 2009, Cluj Napoca ROMANIA. Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials.</p>   <p>Publisher: GALATI UNIVERSITY PRESS Romania, 2009. 100 pagini, (limba engleză). ISBN: 978 – 606 – 8003 – 30 – 1</p>		<p>16.60</p>
<p>1.2. Material didactic / Lucrari didactice: 5</p>		<p>TOTAL 1.2. (A1) = 56.012 (1.2.1. = 45; 1.2.2. = 11.012)</p>	
<p>1.2.1. Manuale didactice, Monografii (inclusiv electronice).</p> <p>Profesor minim 2.</p> <p>Realizat: 2</p>	<p>1.2.1. (1). <u>Lidia Benea.</u> Tehnologie Chimică Generală.</p>  <p>Editura Cartea Universitară, București, 2005. 350 pagini, ISBN: 973-731-106-X.</p> <p>1.2.1.(2). <u>Lidia Benea</u> și Alina-Crina Ciubotariu; Chimie Generală – Principii și Aplicații.</p>  <p>Editura Academica Galati, 2006. 200 pagini. ISBN (10): 973-8937-01-9; (13): 978-973-8937-01-7.</p>	<p>nr.pagini / (10 x nr.autori)</p>	<p>35.00</p> <p>10.00</p>

<p>1.2.2 Indrumatoare de laborator/aplicații.</p> <p>Realizat: 3</p>	<p>1.2.2.(1) Lidia BENEĂ și Dumitru DIMA; CHIMIE GENERALA – TEORIE SI APLICATII PRACTICE.</p>  <p>Editura: ARS DOCENDI, București, 1999.; 200 pages. ISBN 9736988406765.</p>	nr.pagini / (20 x nr.autori)	5.00
	<p>1.2.2. (2) Lidia BENEĂ și Dumitru DIMA CHIMIE GENERALA NOTE DE CURS SI LABORATOR, Editura Universitatii “Dunarea de Jos” Galati, 1997. 167 pagini.</p>		4.175
	<p>1.2.2. (3) Mitoseriu Olga, Popescu Maria, Bujoreanu Viorica și Lidia Benea. TEHNICI DE ANALIZA ÎN METALURGIE - note de curs si laborator, Editura Universitatii “Dunarea de Jos” Galati, 1995, 147 pagini.</p>		1.837

Activitatea de cercetare (A2)

<p>Activitatea de cercetare (A2) Cerințe minimale</p>	<p>(A2) Criteriu Îndeplinit = 2218.18 (A2) 2.1. (1) = 1405.72 (36 ISI reviste cu IF > 1.0) și (10 în ISI cu IF < 0.5) (A2) 2.1. (3) = 67.60 (31 în ISI Proceeding Volume). (A2) 2.2. = 72.37 din care: 2.2. (1) = 44.34 (34 articole în reviste BDI - Anale) și 2.2. (2) = 28.03 (22 Proceeding Volume BDI) 2.3. (2.3.2.) = 2.49 2.4. = 670</p>
<p>Minim 320 puncte</p>	<p>Criteriu îndeplinit = 2218.18 % Procente îndeplinire = 693.18 %</p>

2.1. Articole în reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings

Condiții minimale impuse pentru Profesor	Criterii îndeplinite
<p>Minim 15 articole pentru Profesor</p>	<p>Realizat 77 de publicații cotate ISI Thomson Reuters din care 46 in jurnale ISI și 31 in volume indexate ISI proceedings</p>
<p>Din care Minim 10 in Reviste cotate ISI Th.R.</p>	<p>Realizat 46</p>
<p>Minim 5 lucrări ISI cu $F.I. \geq 1$</p>	<p>Realizat 35</p>
<p>Minim 5 lucrări ISI ca autor principal cu $F.I. \geq 0.5$</p>	<p>Realizat: 26</p>

(A2) 2.1.(1). Articole cotate ISI Thomson Reuters cu Factor Impact $F.I. \geq 0.5$

N _{ref}	Articole ISI cu Scor relativ de influență $F.I. \geq 1.0$ Reviste: (50x FI) / nr.autori. (X = FI revistă)	n _i	F.I. cumulat	Punctaj
Punctaj total Criteriul A2 2.1. (1)			85.706	1405.72
46	VALENTIN MARIAN DUMITRAȘCU, LIDIA BENEĂ Improving The Corrosion Behavior Of 6061 Aluminum Alloy By Controlled Anodic Formed Oxide Layer. Revista de Chimie. IF= 2015 / 2016 = 1.232 Journal ISSN: 0034-7752 Online and Print Journal. REV.CHIM.(Bucharest)♦68♦No. 1 ♦2017, p. 77-80. http://www.revistadechimie.ro http://www.revistadechimie.ro/pdf/DUMITRASCU%20V%20M%201%2017.pdf	2	1.232	30.80
45	Lidia Benea, Eliza Danaila Nucleation and growth mechanism of Ni/TiO₂ nanoparticles electro-codeposition. Journal of The Electrochemical Society, 2016, 163 (13), pp. D655 - D662. ISSN: 0013-4651 IF=3.266 TOP 1 dupa AISL DOI name: 10.1149/2.0591613jes http://jes.ecsdl.org/cgi/content/abstract/163/13/D655 WOS: 000389155900073	2	3.266	81.65
44	Eliza Dănăilă, Lidia Benea*, Nadège Caron, Olivier Raquet Titanium Carbide Nanoparticles Reinforcing Nickel Matrix for Improving Nanohardness and Fretting Wear Properties in Wet Conditions Metals and Materials International ISSN: 1598-9623 Metals and Materials International	4	1.889	23.61

	Vol. 22 & No. 5 (September, 2016); Metals and Materials International September 2016, Volume 22, Issue 5 , pp 924–934 2015 Impact Factor =1.815 doi: 10.1007/s12540-016-6090-x . ISSN: 1598-9623 First Online: 19 August 2016 DOI: 10.1007/s12540-016-6090-x Cite this article as: Dănaïlă, E., Benea, L., Caron, N. et al. Met. Mater. Int. (2016) 22: 924. doi:10.1007/s12540-016-6090-x			
43	Alina Crina CIUBOTARIU, Lidia BENEĂ ^{a*} , Pierre PONTCHIAUX ^b Corrosion resistance of Zinc-Resin hybrid composite coatings obtained by electro-codeposition Arabian Journal of Chemistry ISSN: 1878-5352 doi:10.1016/j.arabjc.2016.07.002 http://www.sciencedirect.com/science/article/pii/S1878535216301009	3	3.613	60.21
42	Lidia Benea, Nadege Caron and Olivier Raquet. Tribological behavior of Ni matrix hybrid nanocomposite reinforced by titanium carbide nanoparticles during electrocodeposition. <i>RSC Advances</i> . 2016, 6, pages 59775 - 59783. ISSN 2046-2069. <i>RSC Advances</i> , 2016, DOI: 10.1039/C6RA03605H http://pubs.rsc.org/en/content/articlelanding/2016/ra/c6ra03605h#!divAbstract	3	3.108	51.80
41	Lidia Benea * and Jean-Pierre Celis. Effect of Nano-TiC Dispersed Particles and Electro-Codeposition Parameters on Morphology and Structure of Hybrid Ni/TiC Nanocomposite Layers. <i>Materials</i> 2016, 9(4), 269; doi:10.3390/ma9040269	2	2.654	66.35
40	Lidia Benea, Eliza Danaila, Pierre Ponthiaux. Effect of titania anodic formation and hydroxyapatite electrodeposition on electrochemical behaviour of Ti–6Al–4V alloy under fretting conditions for biomedical applications. <i>Corrosion Science</i> , Volume 91, February 2015, Pages 262–271. Available online 21 November 2014. ISSN: 0010-938X doi:10.1016/j.corsci.2014.11.026 http://www.sciencedirect.com.ux4l8xu6v.useaccesscontrol.com/science/article/pii/S0010938X14005472	3	5.245	87.41
39	Lidia BENEĂ, Sorin – Bogdan BAȘA, Eliza Dănaïlă, Nadège CARON, Olivier RAQUET, Pierre PONTCHIAUX, Jean-Pierre CELIS Fretting and wear behaviors of Ni/nano-WC composite coatings in dry and wet conditions.	7	4.364	31.17

	Materials and Design 65 (2015) 550–558. ISSN: 0261-3069. Online 2 oct 2014., publicat 14 oct 2014. http://dx.doi.org/10.1016/j.matdes.2014.09.050 http://www.sciencedirect.com/science/article/pii/S0261306914007523			
38	Lidia Benea , Eliza Mardare - Danaila, Jean-Pierre Celis. Increasing the tribological performances of Ti-6Al-4V alloy by forming a thin nanoporous TiO₂ layer and hydroxyapatite electrodeposition under lubricated conditions. <i>Tribology International</i> . <i>Tribology International</i> 78 (2014) 168–175. http://dx.doi.org/10.1016/j.triboint.2014.05.013 0301-679X/&	3	2.903	48.38
37	Lidia Benea , Eliza Danaila, Jean-Pierre Celis, Influence of electro-co-deposition parameters on nano-TiO₂ inclusion into nickel matrix and properties characterization of nanocomposite coatings obtained. <i>Materials Science & Engineering A</i> . <i>Materials Science and Engineering: A</i> , Volume 610, 29 July 2014, Pages 106-115. http://dx.doi.org/10.1016/j.msea.2014.05.028	3	3.094	51.56
36	Lidia Benea , Eliza Mardare, Marilena Mardare, Jean-Pierre Celis. Preparation of titanium oxide and hydroxyapatite on Ti-6Al-4V alloy surface and electrochemical behaviour in bio-simulated fluid solution. <i>Corrosion Science</i> 80 (2014) pp. 331–338. ISSN: 0010-938X. DOI: http://dx.doi.org/10.1016/j.corsci.2013.11.059	4	5.245	65.56
35	Lidia BENEĂ , Alina CIUBOTARIU, Wolfgang SAND. Biofilm formation and corrosion resistance of Ni/SiC nanocomposite layers. <i>International Journal of Materials Research</i> . 103 (2012) E page 1-9. (2013) Vol. 104, No. 5, pp. 489-497. ISSN: 1862-5282. DOI 10.319/146.110893.	3	0.681	11.35
34	A. I. PAVLOV, L. BENEĂ, J.-P. CELIS, L. VAZQUEZ, Influence of nano-TiO₂ co-deposition on the morphology, microtopography and crystallinity of Ni/Nano-TiO₂ electrosynthesized nanocomposite coatings. <i>Digest Journal of Nanomaterials and Biostructures</i> . Vol. 8, No. 3, July - September 2013, p. 1043 - 1050. ISSN: 1842 – 3582. http://www.chalcogen.infim.ro/1043_Benea.pdf	4	0.836	10.45
33	Lidia BENEĂ.	1	1.874	93.7

	<p>Electrochemical Impedance Spectroscopy and Corrosion Behavior of Co/CeO₂ Nanocomposite Coatings in Simulating Body Fluid Solution. <i>Metallurgical and Materials Transactions A</i>. Vol 43A, pp 1-9, 2012 (November). ISSN 1073-5623. VOLUME 44A, FEBRUARY 2013. p1114-1122. DOI: 10.1007/s11661-012-1422-z.</p>			
32	<p>Eliza Mardare, Lidia BENEĂ, and Jean-Pierre Celis. Novel Nano-TiO₂ layer preparation on Ti-6Al-4V support alloy and their characterization. <i>Digest Journal of Nanomaterials and Biostructures</i>. Issue 3, July-September 2012, pp. 933-939. ISSN 1842 – 3582. http://www.chalcogen.infim.ro/933_Mardare.pdf http://connection.ebscohost.com/c/articles/77592308/novel-nano-tio2-layer-preparation-ti-6al-4v-support-alloy-their-characterization https://lirias.kuleuven.be/handle/123456789/361738</p>	3	0.836	13.93
31	<p>Stefan Balta, Arcadio Sotto, Patricia Luis, Lidia Benea, Bart Van der Bruggen, Jeonghwan Kim. A new outlook on membrane enhancement with nanoparticles: the alternative of ZnO. <i>Journal of Membrane Science</i>. Volume 389, 1 Feb. 2012. pp. 155-161. ISSN: 0376-7388. doi:10.1016/j.memsci.2011.10.025</p>	6	5.557	46.30
30	<p>L. Benea; S. F. Sorcaru; P. Ponthiaux; F. Wenger. Electrosynthesis and performances of cobalt-ceria nanocomposite biocoatings. <i>Advances in Applied Ceramics</i>. online 27 December 2011. Vol. 111, Nr 3, April 2012 ,pp. 134-141(8). ISSN: 1743-6753. DOI: http://dx.doi.org/10.1179/1743676111Y.0000000068</p>	4	1.325	16.56
29	<p>Lidia BENEĂ, Pierre PONTCHIAUX, Francois WENGER. Co-ZrO₂ electrodeposited composite coatings exhibiting improved micro hardness and corrosion behaviour in simulating body fluid solution. <i>Surface & Coatings Technology</i>. 205, 2011. 5379-5386. ISSN: 0257-8972. DOI: 10.1016/j.surfcoat.2011.05.050.</p>	3	2.589	43.15
28	<p>L. Benea, M. Mardare-Prlea. Electrodeposition of UHMWPE particles with cobalt for biomedical applications. <i>Digest Journal of Nanomaterials and Biostructures</i>. Volume 6, Number 3, July-September 2011, pp. 1025-1034. ISSN 1842 – 3582. http://www.chalcogen.infim.ro/1025_Benea.pdf http://connection.ebscohost.com/c/articles/69673016/electrodeposition-uhmwpe-particles-cobalt-biomedical-applications</p>	2	0.836	20.90

27	A. C. Ciubotariu, L. Benea, P. L. Bonora. Corrosion studies of carbon steel X60 by electrochemical methods. <i>Journal of optoelectronics and advanced materials</i> . Volume: 12, Issue: 5 Published: MAY 2010, pp. 1170-1175. ISSN: 1454-4164. https://getinfo.de/app/Corrosion-studies-of-carbon-steel-X60-by-electrochemical/id/BLSE%3ARN281843150	3	0.449	7.48
26	Lidia Benea, Electrodeposition and tribocorrosion behaviour of ZrO₂-Ni composite coatings. <i>Journal of Applied Electrochemistry</i> . (2009) 39 1671-1681. ISSN: 0021-891X. DOI: 10.1007/s10800-009-9859-5.	1	2.235	111.75
25	L. Benea, F.Wenger, P. Ponthiaux, J.P. Celis. Tribocorrosion behaviour of Ni-SiC nano-structured composite coatings obtained by electrodeposition. <i>Wear</i> . Volume: 266, Issue: 3-4, Published: 2009, 398-405. ISSN: 0043-1648. DOI: 10.1016/j.wear.2008.04.018.	4	2.531	31.63
24	A. C. Ciubotariu, L. Benea, O. Mitoşeriu, P. Ponthiaux, F. Wenger. Influence of particles size on the morphology and corrosion behaviour of phenol – formaldehyde/Zn composite coatings obtained by electrodeposition. <i>Journal of optoelectronics and advanced materials</i> . Volume: 11, Issue: 6 Published: 2009, pp. 892-897. ISSN: 1454-4164 joam.inoe.ro/download.php?idu=1973 http://cat.inist.fr/?aModele=afficheN&cpsidt=21655116	5	0.449	4.49
23	Felicia Bratu, Lidia Benea, Jean-Pierre Celis. The influence of fretting parameters on tribocorrosion behaviour of AISI 304L stainless steel in ringer solution. <i>Revista de Chimie</i> . 59 (3), Published: 2008, p. 346-350. ISSN: 0034-7752. http://www.revistadechimie.ro/pdf/BRADU%20F.pdf	3	1.232	20.53
22	A. C. Ciubotariu, L. Benea, M. Lakatos-Varsanyi, V. Dragan. Electrochemical impedance spectroscopy and corrosion behaviour of Al₂O₃-Ni nano composite coatings. <i>Electrochimica Acta</i> . 53 (13), 2008, 4557-4563. ISSN: 0013-4686. DOI: 10.1016/j.electacta.2008.01.020.	4	4.798	59.97
21	Felicia Bratu, Lidia Benea, Jean-Pierre Celis. Tribocorrosion behaviour of Ni-SiC composite coatings under lubricated conditions. <i>Surface & Coatings Technology</i> . 201, 2007, 6940-6946. ISSN: 0257-8972. DOI: 10.1016/j.surfocat.2006.12.027.	3	2.589	43.15

20	A. Berradja, F. Bratu, L. Benea , G. Willems and J.-P. Celis. Effect of sliding wear on tribocorrosion behaviour of stainless steels in a Ringer's solution. <i>Wear</i> . Volume 261, Issue 9, 20 November 2006 , 987-993. ISSN: 0043-1648. DOI: 10.1016/j.wear.2006.03.003 .	5	2.531	25.31
19	Cârâc, G, Benea, L. , Iticescu, C., Lampke, T, Steinhäuser, S., Wielage, B. Codeposition of cerium oxide with nickel and cobalt: Correlation between microstructure and microhardness. <i>Surface Engineering</i> . Volume 20, Issue 5, October 2004, Pages 353-359. ISSN 0267-0844. DOI: 10.1179/026708404X1134 .	6	1.081	9.00
18	L. Benea , P. Ponthiaux, F. Wenger, J. Galland, D. Hertz, J. Y. Malo. Tribocorrosion of stellite 6 in sulphuric acid medium: electrochemical behaviour and wear. <i>Wear</i> , 256, Published: 2004 , Issues 9-10, 948-95. ISSN: 0043-1648. DOI: 10.1016/j.wear.2003.06.003	6	2.531	21.09
17	Lidia Benea , Pier Luigi Bonora, Alberto Borello, Stefano Martelli, François Wenger, Pierre Ponthiaux, Jacques Galland. Preparation and investigation of nanostructured SiC-nickel layers by electrodeposition. <i>Solid State Ionics</i> . vol. 151, no 1-4, 2002 , p. 89-95. ISSN: 0167-2738. doi:10.1016/S0167-2738(02)00586-6 .	7	2.380	17
2007 TOP Cited Articles, Physics and Astronomy > Solid State Ionics http://top25.sciencedirect.com/subject/physics-and-astronomy/21/journal/solid-state-ionics/01672738/archive/11/				
16	L. Benea , P.L. Bonora, A. Borello, S. Martelli. Effect of SiC size dimensions on the corrosion wear resistance of the electrodeposited composite coating. <i>Materials and Corrosion</i> . Volume 53, Issue 1, Published: 2002 , ISSN 0947-5117. 23-29. <a href="https://doi.org/10.1002/1521-4176(200201)53:1<23::AID-MACO23>3.0.CO;2-0">DOI: 10.1002/1521-4176(200201)53:1<23::AID-MACO23>3.0.CO;2-0 .	4	1.400	17.50
15	Lidia Benea , Pier Luigi Bonora, Alberto Borello, Stefano Martelli. Wear corrosion properties of nano-structured SiC – nickel composite coatings obtained by electroplating. <i>Wear</i> , Volume : 249, 2002 , 995-1003. ISSN: 0043-1648. IF = 1.509. doi:10.1016/S0043-1648(01)00844-4	4	2.531	31.63
14	Lidia BENEĂ , Pier Luigi BONORA, Alberto BORELLO, Stefano MARTELLI, François WENGER , Pierre PONTIAUX, Jacques GALLAND. Composite electrodeposition to obtain nano-structured coatings. <i>Journal of The Electrochemical Society</i> . 148 (7), 2001 , ISSN: 0013-4651. C 461-C 465. http://dx.doi.org/10.1149/1.1377279 .	7	3.266	23.32

13	L. Benea, O. Mitoseriu, J. Galland, F. Wenger, P. Ponthiaux. Corrosion study of copper composite coating by impedance spectroscopy method. <i>Materials and Corrosion</i> . 51, Published: 2000, p. 491-495. ISSN 0947-5117. DOI: <a href="https://doi.org/10.1002/1521-4176(200007)51:7<491::AID-MACO491>3.0.CO;2-C">10.1002/1521-4176(200007)51:7<491::AID-MACO491>3.0.CO;2-C .	5	1.400	14.00
12	Levcovici, D.T., Munteanu, V., Levcovici, S.M., Mitoseriu, O., Benea, L., Paraschiv, M.M. Laser processing of MMC layers on a metal base. <i>Materials and Manufacturing Processes</i> . (1999) 14 (4), pp. 475-487. ISSN: 1042-6914. DOI: 10.1080/10426919908914844 .	6	1.630	13.58
11	Lidia Benea. Electrodeposition of Zirconia Particles in a Copper Matrix. <i>Materials and Manufacturing Processes</i> , Vol 14, No: 2, Publ. 1999, pp. 231-242. ISSN: 1042-6914. 231-242. DOI: 10.1080/10426919908914820 .	1	1.630	81.50

(A2) 2.1.(2). Articole cotate ISI Thomson Reuters cu Factor Impact $F.I. < 0.5$

N _{ref}	Articole ISI cu Factor Impact $F.I. < 0.5$	n _i	F.I.	Punctaj
	Punctaj total Criteriul A2 2.1. (2)			58.00
10	Lidia BENEĂ, Adina – Ionica PAVLOV. Ni-TiO ₂ nanocomposite coatings as cathode material for hydrogen evolution reaction. <i>Optoelectronics and Advanced Materials - Rapid Communications</i> . Vol 7 Issue 11-12, 2013, p. 895-899. ISSN: 1842-6573. OPTOELECTRON ADV MAT. http://oam-rc.inoe.ro/index.php?option=magazine&op=list&revid=81	2	0.470	11.75
9	E. MARDARE, L. BENEĂ, J.-P. CELIS. Importance of applied normal loads on the tribocorrosion behaviour of Ti-6Al-4V alloy in bio-simulated environment. <i>OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS</i> . Vol. 6, No. 3-4, March - April 2012, p. 474-478. ISSN: 1842-6573.	3	0.470	7.83

8	Geta Cârâc, Cătălina Iticescu, Lidia Benea, Thomas Lampke and Siegfried Steinhauser. The effect of nano-Al₂O₃ dispersed phase in nickel matrix electrocodeposited. <i>Revue Roumaine de Chimie.</i> 52 (11), Published: 2007, pp. 1057–1062. ISSN: 0035-3930.	5	0.246	2.46
7	L. BENEĂ. Comparative corrosion studies of composite coating by impedance spectroscopy method: 2 Comparative corrosion study of copper and copper zirconia composite coatings in sulphuric acid solution. <i>Revue Roumaine de Chimie.</i> vol. 45, no 3, Published: 2000, pp. 255 – 261. ISSN: 0035-3930.	1	0.246	12.3
6	L. BENEĂ. Comparative corrosion studies of composite coatings by impedance spectroscopy method. 1. Theoretical aspects of the impedance spectroscopy method in corrosion studies. <i>Revue Roumaine de Chimie.</i> Vol : 4 , No: 5 Published: 1999, pp. 439 – 444. ISSN: 0035-3930.	1	0.246	12.3
5	LIDIA BENEĂ and GETA CARAC. Obtaining of composite coatings by metal electrodeposition using dispersed particles. <i>Metallurgy and New Materials Researches.</i> Vol V No 2, 1997, pp. 20-40.	2	0.1	2.5
4	LIDIA BENEĂ, O. MITOSERIU AND MAGDA LAKATOS VARSANYI. Electrodeposition of Zirconium Oxide and Silicon Carbide with Nickel. <i>STUDIA UNIV. BABES BOLYAI, CHEMIA.</i> 41, 2, 1996, p. 233 – 315. ISSN (print): 1224-7154	3	0.244	4.06
3	LIDIA BENEĂ-(ENACHE); I.OVESEA; D. ENACHE, Cercetari privind electrodepunerea cromului pe benzi din otel laminat la rece. <i>Metalurgia</i> , 1993, 3, 19-25.	3	0.1	1.60
2	LIDIA BENEĂ; CLIMANTA GRADINARIU SI C. SANDU. Cercetari privind electrodepunerea staniului pe otel inoxidabil pentru fabricatia camerelor de ionizare , destinate centralelor nucleare-energetice. <i>Metalurgia</i> , 1990, 42 (9-12), 427-429.	3	0.1	1.60
1	I. OVESEA; LIDIA BENEĂ, OLGA MITOSERIU. Posibilitati de reducere a consumului de zinc în procesul de electrodepunere. <i>Metalurgia</i> , 1987, 39 (2) , 75-79.	3	0.1	1.60

(A2) 2.1.(3). Articole publicate în volume indexate ISI Proceedings

N_{ref}	Articole publicate în volume indexate ISI Proceedings Volume: (50*0.1) / nr. autori	n_i	Punctaj
	Punctaj total Criteriul A2 2.1. (3) 58.44		67.60
31	L Benea and E Dănăilă. Development of Electrodeposited Zn/nano-TiO₂ Composite Coatings with Enhanced Corrosion Performance. International Conference on Innovative Research — ICIR EUROINVENT 2017 IOP Publishing IOP Conf. Series: Materials Science and Engineering 209 (2017) 012014. doi:10.1088/1757-899X/209/1/012014	2	2.50
30	L Mardare and L Benea . Development of Anticorrosive Polymer Nanocomposite Coating for Corrosion Protection in Marine Environment. International Conference on Innovative Research — ICIR EUROINVENT 2017 IOP Publishing IOP Conf. Series: Materials Science and Engineering 209 (2017) 012056. doi: 10.1088/1757-899X/209/1/012056	2	2.50
29	V Dumitrascu, L Benea ,* and E Danaila. Corrosion Behavior of Aluminum Oxide Film Growth by Controlled Anodic Oxidation. International Conference on Innovative Research — ICIR EUROINVENT 2017 IOP Publishing. IOP Conf. Series: Materials Science and Engineering 209 (2017) 012016. doi: 10.1088/1757-899X/209/1/012016	3	1.66
28	E Dănăilă and L Benea . The Effect of Normal Force on Tribocorrosion Behaviour of Ti-10Zr Alloy and Porous TiO₂-ZrO₂ Thin Film Electrochemical Formed. International Conference on Innovative Research — ICIR EUROINVENT 2017 IOP Publishing IOP Conf. Series: Materials Science and Engineering 209 (2017) 012015. doi: 10.1088/1757-899X/209/1/012015 .	2	2.50

27	Anca Răvoiu, Lidia Benea ; The pH value effect of a simulated physiological solution on the corrosion resistance of Ti-6Al-4V alloy ; pp. 419-426. 17th International multidisciplinary scientific geoconference, SGEM 2017, Conference proceedings, Volume 17. Nano, bio and green – technologies for a sustainable future, Issue 61, Section Micro and Nano Technologies, 29 June - 5 July, 2017, Albena, Bulgaria. ISSN 1314-2704. https://doi.org/10.5593/sgem2017/61	2	2.5
26	Nicoleta Lucica Simionescu, Lidia Benea ; The corrosion behavior of 316l stainless steel in different simulated body fluids solutions ; pp. 353-360. 17th International multidisciplinary scientific geoconference, SGEM 2017, Conference proceedings, Volume 17. Nano, bio and green – technologies for a sustainable future, Issue 61, Section Micro and Nano Technologies, 29 June - 5 July, 2017, Albena, Bulgaria. ISSN 1314-2704. https://doi.org/10.5593/sgem2017/61	2	2.5
25	Valentin Marian Dumitrascu, Lidia Benea , Eliza Danaila; Influence of the sealing process on the corrosion performance of nanoporous aluminum oxide ; pp. 171-178. 17th International multidisciplinary scientific geoconference, SGEM 2017, Conference proceedings, Volume 17. Nano, bio and green – technologies for a sustainable future, Issue 61, Section Micro and Nano Technologies, 29 June - 5 July, 2017, Albena, Bulgaria. ISSN 1314-2704. https://doi.org/10.5593/sgem2017/61	3	1.66
24	Laurentiu Mardare, Lidia Benea ; Corrosion of architecture and infrastructure elements in Romanian Black Sea littoral area ; pp. 73-80. 17th International multidisciplinary scientific geoconference, SGEM 2017, Conference proceedings, Volume 17. Nano, bio and green – technologies for a sustainable future, Issue 62, Section Green Buildings Technologies and Materials, 29 June - 5 July, 2017, Albena, Bulgaria. ISSN 1314-2704. https://doi.org/10.5593/sgem2017/62	2	2.5
23	Valentin Dumitrascu, Lidia Benea , Eliza Danaila; Characterization of nanoporous aluminum oxide layers obtained by controlled anodic oxidation ; pp. 43-50. 17th International multidisciplinary scientific geoconference, SGEM 2017, Conference proceedings, Volume 17. Nano, bio and green – technologies for a sustainable future, Issue 61, Section Micro and Nano Technologies, 29 June - 5 July, 2017, Albena,	3	1.66

	Bulgaria. ISSN 1314-2704. https://doi.org/10.5593/sgem2017/61		
22	Lidia Benea; Bio and nanomaterials in tribocorrosion systems. Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 174, conference 1 2017 1757-899X 174 012042 http://iopscience.iop.org/1757-899X/174/1/012042 doi:10.1088/1757-899X/174/1/012042	1	5
21	L Benea, E Dănăilă and P Ponthiaux; Porous TiO₂-ZrO₂ thin film formed by electrochemical technique to improve the biocompatibility of titanium alloy in physiological environment. Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 174, conference 1 2017 1757-899X 174 012044 http://iopscience.iop.org/1757-899X/174/1/012044 doi:10.1088/1757-899X/174/1/012044	3	1.66
20	Lidia Benea, Eliza Dănăilă, Pierre Ponthiaux and Jean-Pierre Celis; Improving tribocorrosion behaviour by electro-codeposition of TiC nano-dispersed particles with nickel as hybrid layers for energy applications Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 174, conference 1 2017 1757-899X 174 012045 http://iopscience.iop.org/1757-899X/174/1/012045 doi:10.1088/1757-899X/174/1/012045	4	1.25
19	L Mardare and L Benea; Development of Anticorrosive Polymer Nanocomposite Coating for Corrosion Protection in Marine Environment. Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 209, conference 1. 2017 1757-899X 209 012056 http://iopscience.iop.org/1757-899X/209/1/012056 doi:10.1088/1757-899X/209/1/012056	2	2.5

18	<p>L. BENEĂ, V.M. DUMITRASCU Hybrid Composite Layers Obtained by Electro-codeposition: Challenges – Results and Future Applications. 16th International Multidisciplinary Scientific GeoConference SGEM 2016, Conference Proceedings, Book 6 – <i>Nano, Bio and Green – Technologies for a Sustainable Future</i>, Vol. 1– <i>Micro and Nano Technologies, Advances in Biotechnology</i>, pp. 151-158, ISBN 978-619-7105-68-1 / ISSN 1314-2704. DOI: 10.5593/SGEM2016/B61/S24.020 http://www.sgem.org/sgemlib/spip.php?article7674 Această lucrare încă nu a apărut online în ISI Web of Science până la data 27-09-2016.</p>	2	2.5
17	<p>L MARDARE, L. BENEĂ, V. DUMITRASCU Behavior of Naval Steel with Polymer Protective Coatings in Ses Water. 16th International Multidisciplinary Scientific GeoConference SGEM 2016, Conference Proceedings, Book 6 – <i>Nano, Bio and Green – Technologies for a Sustainable Future</i>, Vol. 2 – <i>Green Buildings Technologies and Materials, Green Design and Sustainable Architecture</i>, pp. 49-56, ISBN 978-619-7105-69-8 / ISSN 1314-2704. DOI: 10.5593/SGEM2016/B62/S26.007 http://sgem.org/sgemlib/spip.php?article7989 Această lucrare încă nu a apărut online în ISI Web of Science până la data 27-09-2016.</p>	3	1.66
16	<p>V. M. DUMITRASCU, L. BENEĂ, L. MARDARE. Influence of Anodizing Voltage on the Morphology and Corrosion Resistance of 1050 Aluminum Alloy. 16th International Multidisciplinary Scientific GeoConference SGEM 2016, Conference Proceedings, Book 6 – <i>Nano, Bio and Green – Technologies for a Sustainable Future</i>, Vol. 1 – <i>Micro and Nano Technologies, Advances in Biotechnology</i>, pp. 167-174, ISBN 978-619-7105-68-1 / ISSN 1314-2704. DOI: 10.5593/SGEM2016/B61/S24.022 http://www.sgem.org/SGEMLIB/spip.php?article7680 Această lucrare încă nu a apărut online în ISI Web of Science până la data 27-09-2016.</p>	3	1.66
15	<p>D. PIRVU-NEAGU, L. BENEĂ, V.M. DUMITRASCU, L. MARDARE. Some Corrosion Problems in Municipal Waste Water Collection System of Galati. 16th International Multidisciplinary Scientific GeoConference SGEM 2016, Conference Proceedings, Book 5 – <i>Ecology, Economics, Education and Legislation</i>, Vol. 2 – <i>Ecology and Environmental Protection</i>, pp. 743-750, ISBN 978-619-7105-66-7 / ISSN 1314-2704.</p>	4	1.25

	DOI: 10.5593/SGEM2016/B52/S20.096 http://www.sgem.org/sgemlib/spip.php?article7559		
14	<p>Lidia BENEĂ. Bio and nanomaterials in tribocorrosion systems. Paper ID: 112. Materials Science and Engineering (MSE), ISSN: 1757-899X. Proceedings of the 13th International Conference on Tribology - ROTRIB'16, 22-24 September, 2016, Natural Sciences Museum Complex Galati, Romania. Această lucrare a fost evaluată și acceptată spre publicare în reviste indexate care conțin Proceeding Volume Conferințe indexate în baze de date internaționale: Conference Proceedings Citation Index – Science (CPCI-S), Thomson Reuters, Web of Science, Scopus, Compendex etc. IOP Conference Series (UK). www.rotrib16.ugal.ro/</p>	1	5
13	<p>Lidia BENEĂ, Eliza DĂNĂILĂ, Pierre PONTIAUX, Jean-Pierre CELIS. Improving tribocorrosion behaviour by electro-codeposition of TiC nanodispersed particles with nickel as hybrid layers for energy applications. Paper ID: 113. Materials Science and Engineering (MSE), ISSN: 1757-899X. Proceedings of the 13th International Conference on Tribology - ROTRIB'16, 22-24 September, 2016, Natural Sciences Museum Complex Galati, Romania. Această lucrare a fost evaluată și acceptată spre publicare în reviste indexate care conțin Proceeding Volume Conferințe indexate în baze de date internaționale: Conference Proceedings Citation Index – Science (CPCI-S), Thomson Reuters, Web of Science, Scopus, Compendex etc. IOP Conference Series (UK). www.rotrib16.ugal.ro/</p>	4	1.25
12	<p>Lidia BENEĂ, Eliza DĂNĂILĂ, Pierre PONTIAUX. Porous TiO₂-ZrO₂ thin film formed by electrochemical technique to improve the biocompatibility of titanium alloy in physiological environment. Paper ID: 114. Materials Science and Engineering (MSE), ISSN: 1757-899X.</p>	3	1.66

	<p>Proceedings of the 13th International Conference on Tribology - ROTRIB'16, 22-24 September, 2016, Natural Sciences Museum Complex Galati, Romania.</p> <p>Această lucrare a fost evaluată și acceptată spre publicare în reviste indexate care conțin Proceeding Volume Conferințe indexate în baze de date internaționale: Conference Proceedings Citation Index – Science (CPCI-S), Thomson Reuters, Web of Science, Scopus, Compendex etc.</p> <p>IOP Conference Series (UK).</p> <p>www.rotrib16.ugal.ro/</p>		
11	<p>Lidia BENEĂ, Eliza DĂNĂILĂ, Valentin Marian DUMITRAȘCU, Pierre PONTIAUX. The effect of anodic oxidation treatment of Ti-10Zr alloy on tribocorrosion behavior in a simulated physiological solution. Paper ID 60, <i>E-Health and Bioengineering - EHB 2015.</i> IEEE copyright notice: 978-1-4673-7545-0/15/\$31.00 ©2015 IEEE. http://www.ehbconference.ro/Submission.aspx https://easychair.org/conferences/submission.cgi?a=9821051;submission=2475971 2015 E-Health and Bioengineering Conference (EHB) https://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=36716 Denumire conferință: Challenging Issues for Health and Biomedical Technologies. <i>E-Health and Bioengineering Conference (EHB).</i> Indexed in: IEEE Xplore® data base, Thomson-Reuters for Conference Proceedings citation Index (ISI-Proceedings), SCOPUS and INSPEC data bases. DOI: 10.1109/EHB.2015.7391574 Accession Number: WOS:000380397900227</p>	4	1.25
10	<p>Eliza DĂNĂILĂ, Lidia BENEĂ, Pierre PONTIAUX. Tribocorrosion performance of Co/UHMWPE composite biocoatings compared to pure Co coatings in a simulated physiological solution. Paper ID 61. <i>E-Health and Bioengineering - EHB 2015.</i> IEEE copyright notice: 978-1-4673-7545-0/15/\$31.00 ©2015 IEEE. http://www.ehbconference.ro/Submission.aspx https://easychair.org/conferences/submission.cgi?submission=2475973;track=138896;a=9821051 2015 E-Health and Bioengineering Conference (EHB)</p>	3	1.66

	<p>https://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=36716 Denumire conferință: Challenging Issues for Health and Biomedical Technologies. E-Health and Bioengineering Conference (EHB). Indexed in: IEEE Xplore® data base, Thomson-Reuters for Conference Proceedings citation Index (ISI-Proceedings), SCOPUS and INSPEC data bases. DOI: 10.1109/EHB.2015.7391574 Accession Number: WOS:000380397900228</p>		
9	<p>3. Eliza DĂNĂILĂ, Lidia BENEĂ. The Effect of Surface Roughness on Corrosion Behavior of Ti-6Al-4V Alloy in Saliva Solution. Paper ID 277. E-Health and Bioengineering - EHB 2015. IEEE copyright notice: 978-1-4673-7545-0/15/\$31.00 ©2015 IEEE. http://www.ehbconference.ro/Submission.aspx https://easychair.org/conferences/submission.cgi?track=138896;submission=2518923;a=9821051 2015 E-Health and Bioengineering Conference (EHB) https://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=36716 Denumire conferință: Challenging Issues for Health and Biomedical Technologies. E-Health and Bioengineering Conference (EHB). Indexed in: IEEE Xplore® data base, Thomson-Reuters for Conference Proceedings citation Index (ISI-Proceedings), SCOPUS and INSPEC data bases. DOI: 10.1109/EHB.2015.7391518 Accession Number: WOS:000380397900171</p>	2	2.5
8	<p>Lidia BENEĂ, Nanocomposite layers obtained by electro-co-deposition: Corrosion and tribocorrosion properties. ISI Proceeding: Special issue of Solid State Phenomena – Corrosion and Surface Engineering. Proceedings of International Scientific Conference CORROSION 2014, 18 – 21 November 2014, Gliwice, Poland, p. 1-4. (în curs de publicare). ISSN: 1662-9779. Editura: TRANS TECH PUBLICATIONS, Materials Science and Engineering. Indexed: SCOPUS www.scopus.com and Ei Compendex (CPX) www.ei.org/. Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, etc. DOI 10.4028/www.scientific.net/SSP.227.243</p>	1	5

7	<p>Eliza DANAILA, Lidia BENEĂ, Iulian BOUNEGRU, Corrosion behavior of novel hybrid Co/UHMWPE composite biocoating with applications as biomaterials. ISI Proceedings: Special issue of Solid State Phenomena –Corrosion and Surface Engineering. Proceedings of International Scientific Conference CORROSION 2014, 18 – 21 November 2014, Gliwice, Poland. p. 1-4. (în curs de publicare). ISSN: 1662-9779. Editura: TRANS TECH PUBLICATIONS, Materials Science and Engineering. Indexed: SCOPUS www.scopus.com and Ei Compendex (CPX) www.ei.org/. Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, etc. DOI: 10.4028/www.scientific.net/SSP.227.507</p>	3	1.66
6	<p>Benea, Lidia; Danaila, Eliza ; Celis, Jean-Pierre. Influence of contact frequencies on corrosion behavior of Ti-6Al-4V alloy during fretting in physiological solution. <i>E-Health and Bioengineering Conference (EHB), 2013</i>, pp. 1-4, 2013. Digital Object Identifier : 10.1109/EHB.2013.6707420 Print ISBN: 978-1-4799-2372-4 Book Group Author(s): IEEE Conference: 4th IEEE International Conference on E-Health and Bioengineering (EHB) Location: Iasi, ROMANIA Date: NOV 21-23, 2013 Sponsor(s): IEEE; IEEE EMB Romania Chapter; Romanian Acad Iasi Branch, Inst Comp Sci 2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB) Published: 2013 http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6707420&abstractAccess=no&userType=inst</p>	3	1.66
5	<p>Pralea - Mardare, Marilena; Benea, Lidia ; Danaila, Eliza ; Bounegru, Iulian. Effect of electroplating parameters on UHMWPE co-deposition into cobalt matrix. <i>E-Health and Bioengineering Conference (EHB), 2013</i>, pp. 1-4, 2013. Print ISBN: 978-1-4799-2372-4 Digital Object Identifier : 10.1109/EHB.2013.6707233 Book Group Author(s): IEEE Conference: 4th IEEE International Conference on E-Health and Bioengineering (EHB) Location: Iasi, ROMANIA Date: NOV 21-23, 2013 Sponsor(s): IEEE; IEEE EMB Romania Chapter; Romanian Acad Iasi Branch, Inst Comp Sci 2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB). Published: 2013 http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6707233&abstractAccess=no&userType=inst</p>	4	1.25
4	<p>L. Benea, P. L. Bonora; A. Borello, S. Martelli, F. Wenger, P. Ponthiaux, and J. Galland. Wear corrosion study of nanostructured composite coatings obtained by electroplating Edited by: Sinclair, JD; Frankenthal, RP; Kalman, E; et al.</p>	7	0.71

	<p>ISI Conference: International Symposium on Corrosion and Corrosion Protection Location: SAN FRANCISCO, CA Date: SEP 02-07, 2001. Sponsor(s): Electrochem Soc, Corros Div; Electrochem Soc, Electr Div; Int Soc Electrochem, Corros Div. CORROSION AND CORROSION PROTECTION Book Series: ELECTROCHEMICAL SOCIETY SERIES Volume: 2001 Issue: 22, Pages: 851-862 Published: 2001. ISBN: 1-56677-355-5. http://apps.webofknowledge.com/summary.do?product=UA&parentProduct=UA&search_mode=GeneralSearch&parentQid=&qid=1&SID=2BMGmYbQsR4cufDDWxf&&update_back2search_link_param=yes&page=1</p>		
3	<p>Benea, L. Comparative corrosion study of metal coatings and metal matrix composite coatings Edited by: Natishan, PM; Isaacs, HS; JanikCzachor, M; et al. Conference: Symposium on Passivity and its Breakdown at the 1st Joint International Meeting of the Electrochemical-Society/International-Society-of-Electrochemistry Location: PARIS, FRANCE Date: SEP 01-05, 1997 Sponsor(s): Electrochem Soc, Corros Div. PROCEEDINGS OF THE SYMPOSIUM ON PASSIVITY AND ITS BREAKDOWN Book Series: ELECTROCHEMICAL SOCIETY SERIES Volume: 97 Issue: 26 Pages: 990-1000 Published: 1998. http://apps.webofknowledge.com/summary.do?product=UA&parentProduct=UA&search_mode=GeneralSearch&parentQid=&qid=1&SID=2BMGmYbQsR4cufDDWxf&&update_back2search_link_param=yes&page=1</p>	1	5
2	<p>Mitoseriu O., Drugescu E., Benea L., Levcovici S., Potecasu F., Constantinescu S., Cârâc G., Mitoseriu L. Composite coatings obtained by sedimentation codeposition during copper, cobalt and iron electroplating. SURFACE MODIFICATION TECHNOLOGIES XI. Published: 1998, BOOK- INSTITUTE OF MATERIALS, 691, pp. 417-422. ISSN: 1366-5510 ISI Proceeding of Conference: 11th International Conference on Surface Modification Technologies Location: PARIS, FRANCE Date: SEP 08-10, 1997 Sponsor(s): Soc Francaise Met & Materiaux; Federat European Mat Soc; Inst Mat, London; Minerals, Met & Mat Soc; ASM Int SURFACE MODIFICATION TECHNOLOGIES XI Pages: 417-422 Published: 1998 ISI Proceeding of Conference: 11th International Conference on Surface Modification Technologies Location: PARIS, FRANCE Date: SEP 08-10, 1997. Web: https://getinfo.de/app/Composite-Coatings-Obtained-by-SedimentationCodeposition/id/BLSE%3ARN046456830</p>	7	0.71
1	<p>Levcovici D.T., Munteanu V., Paraschiv M. M., Levcovici S. M., Mitoseriu O., Benea L. The influence of thermal properties of MMC layers on the metal base during laser processing. SURFACE MODIFICATION TECHNOLOGIES XI. Published: 1998, BOOK- INSTITUTE OF MATERIALS, Published: 1998, BOOK- INSTITUTE OF MATERIALS, 691, pp. 649-660. ISSN: 1366-5510.</p>	6	0.83

	<p>Conference: 11th International Conference on Surface Modification Technologies Location: PARIS, FRANCE Date: SEP 08-10, 1997 Sponsor(s): Soc Francaise Met & Materiaux; Federat European Mat Soc; Inst Mat, London; Minerals, Met & Mat Soc; ASM Int SURFACE MODIFICATION TECHNOLOGIES XI Pages: 649-660 Published: 1998. ISI Proceeding of Conference: 11th International Conference on Surface Modification Technologies Location: PARIS, FRANCE Date: SEP 08-10, 1997 Sponsor(s): Soc Francaise Met & Materiaux; Federat European Mat Soc; Inst Mat, London; Minerals, Met & Mat Soc; ASM Int Web: https://getinfo.de/app/Composite-Coatings-Obtained-by-Sedimentation-Codeposition/id/BLSE%3ARN046456830</p>		

2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte Baze de Date Internaționale [BDI], în specificul postului scos la concurs.

TOTAL = 56, din care: 34 articole în Anale și 22 în volume BDI.

(A2) 2.2.(1). Articole publicate în reviste indexate în alte baze de date internaționale

Lucrări publicate în reviste ale universităților (Anale, BDI, B+)

<http://www.cncsis.ro>

<http://www.fmet.ugal.ro>

http://www.csa.com/e_products/databases-collections.php

http://www.csa.com/ids70/serials_source_list.php?db=mchtrans-set-c

N _{ref}	Articole publicate în reviste indexate în alte baze de date internaționale Reviste: 50*0.08 / nr. Autori (n _i)	n _i	Punctaj
	Punctaj total Criteriul (A2) 2.2. (1) 31 Articole		44.34
34	Lidia BENEĂ, Eliza DĂNĂILĂ. Comparative Corrosion Behavior of Pure Copper and Brass in 3.5% NaCl Solution. THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, No. 2 - 2016, p. 19- 24. ISSN 1453 – 083X.	2	2
33	Laurențiu MARDARE, Lidia BENEĂ. Electrochemical Corrosion of Stainless Steels in Commercially Soft Drinks. THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, No. 2 - 2016, p. 19- 24. ISSN 1453 – 083X.	2	2

32	Valentin Marian DUMITRAȘCU, Camelia STAICU, Lidia BENEĂ . Corrosion Behavior of 1050 and 3003 Aluminum Alloys Used in Naval Industry. THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, No. 2 - 2016, p. 14- 19. ISSN 1453 – 083X.	3	1.33
31	Valentin Dumitrașcu, Lidia Benea. Influence of the Anodic Oxidation Treatment on the Corrosion Behaviour of Aluminium and Aluminium Alloys. THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI. FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, No. 3 – 2015, pag. 10 - 16. ISSN 1453 – 083X.	2	2
30	Adrian Diaconu, Cătălin Solomon, Lidia Benea, Valentin Dumitrașcu, Laurențiu Mardare. Corrosion Resistance of Zinc Coated Steel in Sea Water Environment. THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI. FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, No. 3 – 2015, pag. 43 - 48. ISSN 1453 – 083X.	5	0,80
29	Alina Ciubotariu, Lidia Benea, Wolfgang Sand. Surface Roughness and Topography of Ni / Micro-SiC Layers: Influence of Current Density on Electrodeposition Process. THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI. FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, No. 4 – 2015, pag. 5 - 10. ISSN 1453 – 083X.	3	1.33
28	Georgeta Toderășcu, Valentin Dumitrașcu, Lidia Benea, Alexandru Chiriac. Corrosion Behaviour and Biocompatibility of 316 Stainless Steel as Biomaterial in Physiological Environment. THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI. FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, No. 4 – 2015, pag. 15 - 22. ISSN 1453 – 083X.	4	1.00
27	Alina Crina CIUBOTARIU, Lidia BENEĂ, Wolfgang SAND. Effects of sulphate reducing bacteria on thermosetting polymers/Zn composite coatings. <i>Scientific Bulletin "Mircea cel Batran" Naval Academy</i> , Volume XVIII – 2015 – Issue 1, pag. 162 – 166, ISSN: 1454-864X. http://www.anmb.ro/buletinstiintific/buletine/2015_Issue1/MES/162-166.pdf	3	1.33

26	Lidia BENEĂ, Eliza Mardare DĂNĂILĂ, Iulian BOUNEGRU, Challenges in corrosion protection using vegetable extracts as inhibitors – Electrochemical studies , The Annals of “Dunarea de Jos” University of Galati, Fascicle IX, Metallurgy and Materials Science, No. 3, pg. 14 – 19, 2014. ISSN 1453 – 083X.	3	1.33
25	Eliza DĂNĂILĂ, Iulian BOUNEGRU, Lidia BENEĂ, Alexandru CHIRIAC, Improving biocompatibility of Co–Cr alloy used in dentistry by surface modification with electrochemical methods – corrosion of untreated Co–Cr alloy in solution with different pH . The Annals of “Dunarea de Jos” University of Galati, Fascicle IX, Metallurgy and Materials Science, No. 2, pg. 54 – 59, 2014. ISSN 1453 – 083X.	4	1.00
24	Doinița NEAGU (PÎRVU), Lidia BENEĂ, Eliza DĂNĂILĂ, Aspects of materials decay under chemical attack from the leachate treatment plant of the Tirighina waste landfill , The Annals of “Dunarea de Jos” University of Galati, Fascicle IX, Metallurgy and Materials Science, No. 2, pg. 10 – 16 – 2014. ISSN 1453 – 083X.	3	1.33
23	Sorin–Bogdan BAȘA, Lidia BENEĂ, Tribocorrosion – insight into material degradation in specific environments . The Annals of “Dunarea de Jos” University of Galati, Fascicle IX, Metallurgy and Materials Science, No. 1, pg. 5 – 12, 2014. ISSN 1453 – 083X.	2	2.00
22	Eliza MARDARE, Lidia BENEĂ, Iulian BOUNEGRU – Electrochemical Modifications of Titanium and Titanium Alloys Surface for Biomedical Applications – a Review . THE ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI. FASCICLE IX. METALLURGY AND MATERIALS SCIENCE NO. 1 – 2013, ISSN 1453 – 083X. pp.68-78.	3	1.33
21	Florentina Simona Șorcaru, Lidia Benea. Nanocomposite coatings obtained by electro – co- deposition of inert particles with cobalt – A review . The Annals of “Dunarea de Jos” University of Galati. Fascicle IX Metallurgy and Materials Science nr. 3, 2012, pp. 27-37. ISSN 1453 – 083X.	2	2.00
20	Eliza MARDARE, Lidia BENEĂ, Jean-Pierre CELIS. INFLUENCE OF NORMAL LOADS ON CORROSION BEHAVIOUR OF Ti-6Al-4V ALLOY DURING FRETTING IN ARTIFICIAL SALIVA . The Annals of “Dunarea de Jos” University of Galati.Fascicle IX. Metallurgy and Materials Science, NO. 1 – 2012, pp. 68-74. ISSN 1453 – 083X.	3	1.33

19	Adina Pavlov, Lidia Benea . Influence of co-deposition parameters for electrochemical synthesis of Ni-TiO₂ nanocomposite coatings – A Review . The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science. Year XXIX (XXXIV), May 2011, Special Issue, May 2011. pp. 89-95. ISSN 1453-083X.	2	2.00
18	Alina Ciubotariu, Lidia Benea , Wolfgang Sand. Sulphate Reducing Bacteria in Biofilms on Thermosetting Polymers/Zn Composite Layers . The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science. Year XXIX (XXXIV), May 2011, no. 1. pp. 51-57. ISSN 1453-083X.	3	1.33
17	Stefan Balta, Lidia Benea , Bart van der Bruggen - Influence of the Nanoparticles Size on the Permeation Properties of the Polymeric Membranes . The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science. Year XXIX (XXXIV), May 2011, no. 1. pp. 19-25. ISSN 1453-083X.	3	1.33
16	Lidia Benea , Alina Ciubotariu, Bernard Tribollet, Wolfgang Sand. Influence of SiC/Ni Nanocomposite Coatings on SRB Attachment and Biofilm Formation. The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, Year XXVIII (XXXIII), 2010, no. 3, p. 71-7., ISSN 1453-083X.	4	1.00
15	Lidia Benea , Viorel Dragan, Bernard Tribollet. Electrochemical Corrosion Properties of SiC/Ni Nano-Composite Coatings in 0.5M NaCl . The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, Year XXVIII (XXXIII), 2010, no. 4, pp. 45-50. ISSN 1453-083X.	3	1.33
14	Alina – Crina Ciubotariu, Lidia Benea , Olga Mitoşeriu, Wolfgang Sand. Morphological Aspects of Thermosetting Polymers/Zn Composite Coatings . The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, Year XXVIII (XXXIII), 2010, no. 4, pp. 78-83, ISSN 1453-083X.	4	1.00
13	Lidia Benea , Marilena Mardare-Pralea, Paula Cojocaru, Electrochemical Deposition and SEM Surface Morphology of Co and UHMWPE/Co Composite Layers . The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, Year XXVII (XXXII), 2009, no. 1, pp. 108-114, ISSN 1453-083X.	3	1.33
12	Alina Crina Ciubotariu, Lidia Benea , Olga Mitoşeriu , Pierre Ponthiaux , François Wenger , Morphological Aspects and Corrosion Behaviour of Phenol Formaldehyde/Zn Composite Coatings, The Annals of “Dunarea de Jos” University of Galati, Fascicle IX. Metallurgy and Materials Science, Year XXVII (XXXII), 2009, no. 2, pp. 31-37, ISSN 1453-083X.	5	0.80

11	Lidia Benea , Florentina Simona Sorcaru, Pierre Ponthiaux, Francois Wenger, Study of ZrO₂/Co-Deposition with Cobalt from Chloride Electrolyte , The Annals of "Dunarea de Jos" University of Galati. Fascicle IX. Metallurgy and Materials Science, Year XXVII (XXXII), 2009, no. 2, pp. 48-54, ISSN 1453-083X.	4	1.00
10	O. Mitoseriu, A. Ciubotariu, L. Benea , P. Ponthiaux, F. Wenger, Electrodeposition obtaining and corrosion behaviour of phenol formaldehyde resin/zinc composite coatings . The Annals of "Dunarea de Jos" University of Galati. Fascicle IX. Metallurgy and Materials Science, Year XXVI (XXXI), 2008, no. 2, pp. 97-102, ISSN 1453-083X	5	0.80
9	Lidia BENEĂ ¹ , Viorel DRĂGAN ¹ , Study of tribocorrosion processes by electrochemical techniques , The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Faculty of Metallurgy and Materials Science, Year XXIII (XXVIII), 2007, no. 1, pp. 17-26.	2	2.00
8	Lidia Benea , François Wenger, Pierre Ponthiaux, Jean-Pierre Celis; Improved hardness and tribocorrosion properties of nickel coatings by co - depositing ZrO₂ micro - sized dispersed phase during electroplating process .The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Faculty of Metallurgy and Materials Science, Year XXIII (XXVIII), 2006, no. 1, pp. 17-26 , ISSN 1453-083X.	4	1.00
7	L. Benea , P.L. Bonora, F. Wenger; Nanostructured composite coating Ni-SiC Obtained by electrodeposition. , Buletinul Institutului Politehnic Iasi, Universitatea Tehnica GH. ASACHI Iasi,, Tomul LII(LVI), Fasc.I, Stiinta si Ingineria Materialelor, 2006, pp.59-69, ISSN 1453-1690.	3	1.33
6	Benea L. , Iordache V. E., Wenger F., Ponthiaux P., Peybernes J., Vallory J.; Tribocorrosion mechanism study of stellite6 and zircalloy4 – comparison in LiOH-H3BO3 solutions . The Annals University of Galati, Fascicle VIII Tribology, pp. 5-10; 2005, ISSN 1221-4590.	6	0.66
5	Lidia Benea , Viorel Iordache, François Wenger, Pierre Ponthiaux; Nanostructured SiC-Ni composite coatings obtained by electrodeposition – A Tribocorrosion study . The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Faculty of Metallurgy and Materials Science, Year XXIII (XXVIII), mai 2005, no. 1, pp. 5-10, ISSN 1453-083X.	4	1.00

4	Pier Luigi Bonora, Lidia Benea , François Wenger, Alberto Borello, Stefano Martelli, Pierre Ponthiaux; Tribocorrosion Aspects of Nano - Structured SiC – Nickel Composite Coatings . The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Faculty of Metallurgy and Materials Science; Year XXI (XXVI), 2003, nov, N 2, ISSN 1453-083X; pp. 18-24.	6	0.66
3	Lidia Benea , Magda Lakatos-Varsanyi, George Maurin.; The Electrolytic Co-deposition of Zirconium Oxide Particles with Nickel ; The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Faculty of Metallurgy and Materials Science; Year XXI (XXVI), 2003, nov, N°2, ISSN 1453-083X; pp. 10-18.	3	1.33
2	Lidia Benea , Pier Luigi Bonora, Francois Wenger, Pierre Ponthiaux. Modified Surfaces by Micro and Nano Structured Composite Coatings: Structural Aspects and Corrosion Properties . The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Faculty of Metallurgy and Materials Science; Year XXI (XXVI), 2003, MAY, N°1, ISSN 1453-083X; pp. 43-54.	4	1.00
1	François WENGER, Lidia BENEĂ , Pierre PONTCHIAUX. Tribocorrosion mechanism of plasma sprayed Stellite6 layer in sulphuric acid medium . The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science; Year XX (XXV), 2002, ISSN 1453-083X; p. 21-30.	3	1.33
0	O. Mitoseriu, L. Benea , M. Vlad, M. Popescu, L. Balint. Contributii privind electrodepunerea aliajelor Zn-Fe pe suport din otel . Analele Universitatii Eftimie Murgu Resita , Fascicula III, anul III, 1996, p. 323-329, (1996).		0.80

(A2) 2.2.(2). Articole publicate în volumele unor manifestări științifice indexate în Baze de Date Internaționale

N _{ref}	Articole publicate în volumele unor manifestări științifice indexate în alte Baze de Date Internaționale Volume: 50*0.08 / nr. Autori (n _i).	n _i	Punctaj
Punctaj total Criteriul (A2) 2.2. (2)			28.03
22	<p>Lidia BENEĂ Iulian BOUNEGRU, Alexandru CHIRIAC. Characterization and corrosion-resistance performance of hybrid Co/UHMWPE composite biocoatings. Manuscript Number: 1_978-0-00003-328-4_50 Advanced Materials Research, ISSN: 1662-8985. Advanced Materials Research - Proceedings of the International Conference on Sustainable Materials Science and Technology - SMST15, Université Paris 8, 15 – 17 Iulie 2015, Paris, Franța. http://www.smatscitech.com/ http://www.smatscitech.com/index.php/congress-information/congress-journals Advanced Materials Research, ISSN: 1662-8985. Indexing: indexed by Index Copernicus Journals Master List www.indexcopernicus.com. Google Scholar scholar.google.com. Chemical Abstracts (CAS) www.cas.org. Cambridge Scientific Abstracts (CSA) www.csa.com. Inspec (IET, Institution of Engineering Technology) www.theiet.org. SCImago Journal & Country Rank (SJR) www.scimagojr.com. ProQuest www.proquest.com. EBSCO www.ebsco.com. Periodical: Advanced Materials Research, Volume 1139, Main Theme: Sustainable Materials Science and Technology, Chapter 3: Materials and Alloys for Biomedical Application, Edited by: Paulo Sérgio Duque de Brito, Pages: 69-73, ISSN: 1662-8985, © 2016 Trans Tech Publications, Switzerland. Online: 2016-07-27. DOI: 10.4028/www.scientific.net/AMR.1139.69 http://www.scientific.net/AMR.1139.69</p>	3	1.33

21	<p>Lidia BENEĂ, Eliza DĂNĂILĂ, Valentin Marian DUMITRAȘCU. Vegetable extracts as inhibitors of carbon steel corrosion in acidic environment. Paper ID: MR093. <i>Advanced Materials Research</i>, ISSN: 1662-8985. Manuscript Number: 2_978-0-00003-328-4_60 <i>Advanced Materials Research</i>, ISSN: 1662-8985. <i>Advanced Materials Research</i> - Proceedings of the International Conference on Sustainable Materials Science and Technology - SMST15, Université Paris 8, 15 – 17 Iulie 2015, Paris, Franța. http://www.smatscitech.com/ http://www.smatscitech.com/index.php/congress-information/congress-journals <i>Advanced Materials Research</i>, ISSN: 1662-8985. Indexing: indexed by Index Copernicus Journals Master List www.indexcopernicus.com. Google Scholar scholar.google.com. Chemical Abstracts (CAS) www.cas.org. Cambridge Scientific Abstracts (CSA) www.csa.com. Inspec (IET, Institution of Engineering Technology) www.theiet.org. SCImago Journal & Country Rank (SJR) www.scimagojr.com. ProQuest www.proquest.com. EBSCO www.ebsco.com. Periodical: <i>Advanced Materials Research</i>, Volume 1139, Main Theme: Sustainable Materials Science and Technology, Chapter 2: Biotechnologies, Edited by: Paulo Sérgio Duque de Brito, Pages: 46-51, ISSN: 1662-8985, © 2016 Trans Tech Publications, Switzerland. Online: 2016-07-27. DOI: 10.4028/www.scientific.net/AMR.1139.46 http://www.scientific.net/AMR.1139.46</p>	3	1.33
20	<p>Eliza DĂNĂILĂ, Lidia BENEĂ. Comparative tribocorrosion resistance in physiological solution of untreated and modified Ti-6Al-4V alloy surface by electrodeposition of hydroxyapatite coatings into nanoporous titania layers. Paper ID: MR094. <i>Advanced Materials Research</i>, ISSN: 1662-8985. Manuscript Number: 3_978-0-00003-328-4_70 <i>Advanced Materials Research</i>, ISSN: 1662-8985. <i>Advanced Materials Research</i> - Proceedings of the International Conference on Sustainable Materials Science and</p>	2	2.00

	<p>Technology - SMST15, Université Paris 8, 15 – 17 Iulie 2015, Paris, Franța. http://www.smatscitech.com/ http://www.smatscitech.com/index.php/congress-information/congress-journals Advanced Materials Research, ISSN: 1662-8985. Indexing: indexed by Index Copernicus Journals Master List www.indexcopernicus.com. Google Scholar scholar.google.com. Chemical Abstracts (CAS) www.cas.org. Cambridge Scientific Abstracts (CSA) www.csa.com. Inspec (IET, Institution of Engineering Technology) www.theiet.org. SCImago Journal & Country Rank (SJR) www.scimagojr.com. ProQuest www.proquest.com. EBSCO www.ebsco.com. Periodical: Advanced Materials Research, Volume 1139, Main Theme: Sustainable Materials Science and Technology, Chapter 3: Materials and Alloys for Biomedical Application, Edited by: Paulo Sérgio Duque de Brito, Pages: 64-68, ISSN: 1662-8985, © 2016 Trans Tech Publications, Switzerland. Online: 2016-07-27. DOI: 10.4028/www.scientific.net/AMR.1139.64 http://www.scientific.net/AMR.1139.64</p>		
19	<p>Lidia BENEĂ, Valentin DUMITRAȘCU, Eliza DĂNĂILĂ, Iulian BOUNEGRU. Electrochemical behavior of cobalt - chromium alloy as biomaterial in different pH environments. Paper ID: SM036. Advanced Materials Research, ISSN: 1662-8985. Manuscript Number: 4_978-0-00003-328-4_100 Advanced Materials Research, ISSN: 1662-8985. Advanced Materials Research - Proceedings of the International Conference on Sustainable Materials Science and Technology - SMST15, Université Paris 8, 15 – 17 Iulie 2015, Paris, Franța. http://www.smatscitech.com/ http://www.smatscitech.com/index.php/congress-information/congress-journals Advanced Materials Research, ISSN: 1662-8985. Indexing: indexed by Index Copernicus Journals Master List www.indexcopernicus.com. Google Scholar scholar.google.com.</p>	4	1.00

	<p>Chemical Abstracts (CAS) www.cas.org. Cambridge Scientific Abstracts (CSA) www.csa.com. Inspec (IET, Institution of Engineering Technology) www.theiet.org. SCImago Journal & Country Rank (SJR) www.scimagojr.com. ProQuest www.proquest.com. EBSCO www.ebsco.com. Periodical: Advanced Materials Research, Volume 1139, Main Theme: Sustainable Materials Science and Technology, Chapter 3: Materials and Alloys for Biomedical Application, Edited by: Paulo Sérgio Duque de Brito, Pages: 59-63, ISSN: 1662-8985, © 2016 Trans Tech Publications, Switzerland. Online: 2016-07-27. DOI: 10.4028/www.scientific.net/AMR.1139.59 http://www.scientific.net/AMR.1139.59</p>		
18	<p>Lidia BENEĂ, Eliza DĂNĂILĂ. Electrochemical codeposition of UHMWPE biopolymer into cobalt matrix for biomedical applications. Paper ID: 978-3-03835-557-1_140. Key Engineering Materials, ISSN: 1662-9795. http://www.if.uqal.ro/PPE2015/Authors.htm http://www.scientific.net/Participant/Papers/4127 Proceedings of the the 3th International Conference on Polymers Processing in Engineering (PPE 2015) - Key Engineering Materials, 24 – 26 Septembrie 2015, Universitatea "Dunărea de Jos", din Galați, România. http://www.if.uqal.ro/PPE2015/ Key Engineering Materials, ISSN: 1662-9795. Indexing: Indexed by Elsevier: SCOPUS www.scopus.com. Index Copernicus Journals Master List www.indexcopernicus.com. Google Scholar scholar.google.com. Ei Compendex (CPX) www.ei.org/. Chemical Abstracts (CAS) www.cas.org. Cambridge Scientific Abstracts (CSA) www.csa.com. Inspec (IET, Institution of Engineering Technology) www.theiet.org. SCImago Journal & Country Rank (SJR) www.scimagojr.com. ProQuest www.proquest.com. EBSCO www.ebsco.com.</p>	2	2.00

	<p>CiteSeerX citeseerx.ist.psu.edu.</p> <p>Periodical: Key Engineering Materials, Volume: 699, Main Theme: Polymers and Composites in Engineering: Processing, Properties and Applications, Edited by: Felicia Stan, Pages: 57-62, ISSN: 1662-9795, © 2016 Trans Tech Publications, Switzerland. Online: 2016-07-05. DOI: 10.4028/www.scientific.net/KEM.699.57 http://www.scientific.net/KEM.699.57</p>		
17	<p>Alina Crina CIUBOTARIU, Lidia BENEĂ, Pierre PONTIAUX. Phenol – Formaldehyde Resin to Improve Corrosion Resistance of Zinc Layers, Paper. ID: 978-3-03835-557-1_150. Key Engineering Materials, ISSN: 1662-9795. http://www.if.ugal.ro/PPE2015/Authors.htm http://www.scientific.net/Participant/Papers/4127 Proceedings of the the 3th International Conference on Polymers Processing in Engineering (PPE 2015) - Key Engineering Materials, 24 – 26 Septembrie 2015, Universitatea "Dunărea de Jos", din Galați, România. http://www.if.ugal.ro/PPE2015/ Key Engineering Materials, ISSN: 1662-9795. Indexing: Indexed by Elsevier: SCOPUS www.scopus.com. Index Copernicus Journals Master List www.indexcopernicus.com. Google Scholar scholar.google.com. Ei Compendex (CPX) www.ei.org/. Chemical Abstracts (CAS) www.cas.org. Cambridge Scientific Abstracts (CSA) www.csa.com. Inspec (IET, Institution of Engineering Technology) www.theiet.org. SCImago Journal & Country Rank (SJR) www.scimagojr.com. ProQuest www.proquest.com. EBSCO www.ebsco.com. CiteSeerX citeseerx.ist.psu.edu.</p> <p>Periodical: Key Engineering Materials, Volume: 699, Main Theme: Polymers and Composites in Engineering: Processing, Properties and Applications, Edited by: Felicia Stan, Pages: 63-70, ISSN: 1662-9795, © 2016 Trans Tech Publications, Switzerland. Online: 2016-07-05. DOI: 10.4028/www.scientific.net/KEM.699.63 http://www.scientific.net/KEM.699.63</p>	3	1.33

16	<p>Laurentiu MARDARE, Lidia BENEĂ, Eliza DĂNĂILĂ, Valentin DUMITRAȘCU. Polymeric coatings used against marine corrosion of naval steel EN32. Paper ID: 978-3-03835-557-1_160. Key Engineering Materials, ISSN: 1662-9795. http://www.if.ugal.ro/PPE2015/Authors.htm http://www.scientific.net/Participant/Papers/4127 Proceedings of the the 3th International Conference on Polymers Processing in Engineering (PPE 2015) - Key Engineering Materials, 24 – 26 Septembrie 2015, Universitatea "Dunărea de Jos", din Galați, România. http://www.if.ugal.ro/PPE2015/ Key Engineering Materials, ISSN: 1662-9795. Indexing: Indexed by Elsevier: SCOPUS www.scopus.com. Index Copernicus Journals Master List www.indexcopernicus.com. Google Scholar scholar.google.com. Ei Compendex (CPX) www.ei.org/. Chemical Abstracts (CAS) www.cas.org. Cambridge Scientific Abstracts (CSA) www.csa.com. Inspec (IET, Institution of Engineering Technology) www.theiet.org. SCImago Journal & Country Rank (SJR) www.scimagojr.com. ProQuest www.proquest.com. EBSCO www.ebsco.com. CiteSeerX citeseerx.ist.psu.edu. Periodical: Key Engineering Materials, Volume: 699, Main Theme: Polymers and Composites in Engineering: Processing, Properties and Applications, Edited by: Felicia Stan, Pages: 71-79, ISSN: 1662-9795, © 2016 Trans Tech Publications, Switzerland. Online: 2016-07-05. DOI: 10.4028/www.scientific.net/KEM.699.71 http://www.scientific.net/KEM.699.71</p>	4	1.00
15	<p>2014. Lidia Benea, Studying tribocorrosion processes in biomedical and industrial applications, <i>CD Proceedings Volume of 8th International Conference on Tribology –Balkantrib'14</i>, 30 October – 1 November 2014, Sinaia, România, pg. 425–431. ISBN: 978–973–719–570–8.</p>	1	4.00

14	<p>2014. Eliza DĂNĂILĂ, Lidia BENEĂ, Jean-Pierre CELIS, Tribo-electrochemical characterization of Ti-6Al-4V alloy and nanoporous TiO2 layer in simulated body fluid solution, <i>CD Proceedings Volume of 8th International Conference on Tribology –Balkantrib'14</i>, 30 October – 1 November 2014, Sinaia, România, pg. 455–458. ISBN: 978–973–719–570–8.</p>	3	1.33
13	<p>2014. Sorin–Bogdan BAȘA, Lidia BENEĂ, Nadège CARON, Olivier RAQUET, Pierre PONTIAUX, Jean-Pierre CELIS, Tribocorrosion behaviour of the Ni/TiC nanocomposite coatings in solution simulating the corrosion environment from the nuclear primary cooling systems, <i>CD Proceedings Volume of 8th International Conference on Tribology – Balkantrib'14</i>, 30 October – 1 November 2014, Sinaia, România, pg. 849-854. ISBN: 978–973–719–570–8.</p>	6	0.66
	2010		
12	<p>2009: Lidia BENEĂ, Alina CIUBOTARIU, Bernard TRIBOLLET, Wolfgang SAND Surface modifications to influence biofilm formation on material surfaces. Lucrare prezentată oral la EUROCORR 2009 - The European Corrosion Congress, 6 - 10 September 2009, Nice, France. Published in European Corrosion Congress 2009 (EUROCORR 2009). Proceedings of a meeting held 6-10 September 2009, Nice, France. Pages 3748-3759. ISBN: 9781615677962. http://toc.proceedings.com/06954webtoc.pdf</p>	4	1.00
11	<p>2009: Lidia BENEĂ¹, Pierre PONTIAUX², Florentina – Simona SORCARU¹, Francois WENGER², Jean-Pierre CELIS³ DISPERSED BIOCERAMICS IN COBALT - A WAY TO IMPROVE THE PROPERTIES OF IMPLANTS Lucrare prezentată oral la EUROCORR 2009 - The European Corrosion Congress, 6 - 10 September 2009, Nice, France. Published in European Corrosion Congress 2009 (EUROCORR 2009). Proceedings of a meeting held 6-10 September 2009, Nice, France. Pages 3759-3768. ISBN: 9781615677962. http://toc.proceedings.com/06954webtoc.pdf</p>	5	0.80

10	<p>2009: Lidia BENEĂ, Marilena MARDARE, Bernard TRIBOLLET. Dispersed nano-sized SiC in nickel to improve the corrosion properties of composite coatings. Lucrare prezentată poster la EUROCORR 2009 - The European Corrosion Congress, 6 - 10 September 2009, Nice, France. Published in European Corrosion Congress 2009 (EUROCORR 2009). Proceedings of a meeting held 6-10 September 2009, Nice, France. Pages 3768-3776. ISBN: 9781615677962. http://toc.proceedings.com/06954webtoc.pdf</p>	3	1.33
9	<p>2009: Lidia Benea, Alina Ciubotariu, Bernard Tribollet, Wolfgang Sand. Influence of nano SiC codeposition with nickel to biofilm formation on nanocomposite coatings. International Conference FNMA - Functional and Nanonstructured Materials, held in Sulmona (L'Aquila, Italy) from 27 to 30 September 2009, Task Publishing Gdansk, Poland p. 143-144. ISBN: 978-83-908112-7-7 www.fnma09.gda.pl</p>	4	1.00
8	<p>2009: Lidia Benea, Pierre Ponthiaux, F. Simona Sorcaru, Francois Wenger. Dispersed nano- CeO₂ in cobalt – a way to improve the coatings properties. International Conference FNMA - Functional and Nanonstructured Materials, held in Sulmona (L'Aquila, Italy) from 27 to 30 September 2009, Task Publishing Gdansk, Poland. p. 141-142. ISBN: 978-83-908112-7-7. www.fnma09.gda.pl</p>	4	1.00
7	<p>2009: L. Benea, V. Dragan, B. Tribollet Electrochemical corrosion properties of SiC/Ni nano-composite coatings in 0,5NaCl. UGALMAT 2009, 22 – 23 octombrie, Galati, CD Proceeding, p. 420-425. ISSN 1843- 5807. www.fmet.ugal.ro/sesiuni_stiintifice</p>	3	1.33
6	<p>2009: Alina Crina Ciubotariu, Lidia Benea, Olga Mitoseriu, Pierre Ponthiaux, François Wenger. Morphological aspects and corrosion behaviour of phenol formaldehyde/Zn composite coatings. UGALMAT 2009, 22 – 23 octombrie, Galati, CD Proceeding, p. 413-419.</p>	5	0.80

	ISSN 1843- 5807. www.fmet.ugal.ro/sesiuni_stiintifice		
5	2009: L. Benea, F. Sorcaru, P. Ponthiaux, F. Wenger. Study of ZrO₂/Co deposition with cobalt from chloride electrolyte. UGALMAT 2009, 22 – 23 octombrie, Galati, CD Proceeding, p. 406-412. ISSN 1843- 5807. www.fmet.ugal.ro/sesiuni_stiintifice	4	1.00
4	2009: L. Benea, M. Mardare, P.Cojocaru Electrochemical deposition and SEM surface morfology of Co and UHMWPE/Co composite layers. UGALMAT 2009, 22 – 23 octombrie, Galati, CD Proceeding, p. 399-405. ISSN 1843- 5807. www.fmet.ugal.ro/sesiuni_stiintifice	3	1.33
	2005: Lidia Benea, Viorel Iordache, François Wenger, Pierre Ponthiaux; Tribocorrosion study of nanostructured SiC-Ni composite coatings; Proceeding of International Conference “Integrated Engineering Surface Technology for Engine Applications” organized jointly by US NIST (USA -National Science Foundation) and COST-ESF (European Science Foundation), in perioada 12-15 October 2005, la Porto – Portugalia, pp.179-187. ISBN 972-8953-01-1.	4	1.00
	2005: Lidia Benea, Viorel Iordache, François Wenger, Pierre Ponthiaux. Tribocorrosion Aspects of Ni-ZrO₂ Composite Coating; CD-ROM - Proceeding of International Congress EUROCORR 2005; Lisbon, Portugal, Septembrie 4-8, 2005.	4	1.00
3	2004: F. Wenger, P. Ponthiaux, L. Benea, J. Peybernès. Tribocorrosion of Stellite 6 alloy: mechanism of the electrochemical reactions CD ROM Proceeding EUROCORR 2004 – Long term prediction & Modeling of Corrosio.n, Nice, Franta, 12-16 septembrie 2004. European Federation of Corrosion (EFC)	4	1.00
2	2004: A. Berradja, Felicia Bratu, L. Benea, G. Willems, Jean Pierre Celis	5	0.80

	<p>Effect of sliding wear on tribocorrosion behavior of stainless steel materials in a Ringer's solution CD ROM Proceeding EUROCORR 2004 – Long term prediction & Modeling of Corrosion, Nice, Franta, 12-16 septembrie 2004. European Federation of Corrosion (EFC).</p>		
1	<p>2002: Lidia Benea, Geta Carac, Pier Luigi Bonora, Francois Wenger, Pierre Ponthiaux and Jacques Galland. Nanostructured composite coatings and marine biocorrosion. Proceeding Volume: 1st International Conference "Study and Control of Corrosion in the Perspective of Sustainable Development of Urban Distribution Grids" ("Studiul si controlul coroziunii in perspectiva dezvoltarii durabile a retelelor de distributie a utilitatilor urbane" care a avut loc la Constanta in perioada 6 - 8 iunie 2002, p. 193-197, ISBN: 973-95041-3-2.</p>	6	0.66
	Incomplet		

2.3. Brevete de invenție

2.3.2. Naționale

Nr crt	Patents title / Titlul brevetului 15 / 25 / nr. autori (national)	Authors Autorii	Punctaj
	TOTAL		2.49
1	<p>Procedeu de stanare a otelului inoxidabil. Electrochemical treatment of stainless steel ionisation chambers, etc. consists of degreasing and multiple stage treatment with washing and exclusion of oxidn. inside chamber.</p> <p>Patent Number(s) RO101545-A http://pcs.isiknowledge.com/uml/uml_view.cgi?product_sid=Y1BJmdlDmlgkJNFb@f3&p...</p>	<p>Ovesea I; Levcovici D T; Benea L; Gradinariu C; Sandu C</p>	0.12
2	<p>Procedeu de stagnare a lagarelor de alunecare cu frecare lichida. Tinning of liq. friction bearings consists of uniform adherent coating technique for metal support based on tin sulphate formulation</p> <p>Patent Number(s) RO99830-A http://pcs.isiknowledge.com/uml/uml_view.cgi?product_sid=Y1BJmdlDmlgkJNFb@f3&p...</p>	<p>Benea L; Tudosoiu M; Enache D; Negulescu P; Roibu M</p>	0.12
3	<p>Procedeu de protectie anticoroziva a cuvelor, sculelor si dispozitivelor din otel slab aliat. Corrosion protection of low alloy steel galvanising pots, etc. consists of titanium carbonitride treatment to give controlled work surface</p> <p>Patent Number(s) RO94933-A http://pcs.isiknowledge.com/uml/uml_view.cgi?product_sid=Y1BJmdlDmlgkJNFb@f3&p...</p>	<p>Levcovici S M; Levcovici D T; Benea L; Giuglea M</p>	0.15
4	<p>Electrolit acid de stanare. Prepn. of a sulphuric acid contg. stainless sulphate electrolyte to coat steel plates for cold lamination and corrosion protection.</p> <p>Patent Number(s) RO94931-A http://pcs.isiknowledge.com/uml/uml_view.cgi?product_sid=Y1BJmdlDmlgkJNFb@f3&p...</p>	<p>Benea L; Gradinariu C; Negulescu P; Slaanti E; Anohelescu A; Craciun V; Piscureanu A</p>	0.08
5	<p>Procedeu de stagnare chimica a tevilor din alama. Chemical coating of brass pipes consists of dipping in zinc contact soln. and in soln. based on sulphate(s) at</p>	<p>Benea L; Tudosoiu M;</p>	0.10

	ambient temp. Patent Number(s) RO97223-A http://pcs.isiknowledge.com/uml/uml_view.cgi?product_sid=Y1BJmdlDmlgkJNFb@f3&p...	Gradinariu C; Dulea E; Cristescu C; Carasu C	
6	Procedeu de pasivizare a peliculelor protectoare din aliaje Zn-Fe. Zinc iron alloy protective film based passivation comprises washing, dipping in chromating soln. washing, and drying Patent Number(s) RO93904-A http://pcs.isiknowledge.com/uml/uml_view.cgi?product_sid=Y1BJmdlDmlgkJNFb@f3&p...	Ovesea I; Benea L; Motoseriu O; Garcev I	0.15
7	Electrolit pentru depunerea aliajelor Zn-Fe. Electrolyte for zinc iron alloy coating consists of ferrous, zinc, magnesium and sodium sulphate(s) and citric acid blend Patent Number(s) RO93907-A http://pcs.isiknowledge.com/uml/uml_view.cgi?product_sid=Y1BJmdlDmlgkJNFb@f3&p...	Ovesea I; Benea L; Mitoseriu O; Negulescu P	0.15
8	Procedeu de depunere a aliajelor de Zn-Fe. Zinc iron alloy coating consists of deposition of 1-70 per cent iron alloy on cold rolled steel, etc. to high corrosion resistance Patent Number(s) RO94041-A http://pcs.isiknowledge.com/uml/uml_view.cgi?product_sid=Y1BJmdlDmlgkJNFb@f3&p...	Ovesea I; Levcovici T; Benea L; Mitoseriu O; Nedelcu C	0.12
9	Procedeu de cromatare. A process for chroming. Brevet de Inventator nr. 97653. Patent Number: RO 97653.	Benea L.	0.60
10	Aditiv pentru electroliti acizi de stanare Additive for tin plating electrolyte. Certificat de Brevet nr. 106899 B 1. Patent Number: RO106899.	Benea L.	0.60
11	SUPRAFEŢE FUNCŢIONALE Co/nano-ZrO₂ OBŢINUTE PRIN ELECTRODEPUNERE A/00501 din 13-07-2016	Lidia Benea Florentina Sorcaru	0.30

(A2) 2.4. Granturi/proiecte câștigate prin competiție

Condiții minime impuse pentru Profesor	Criterii indeplinite
Minim 2 pentru Profesor ca Director.	Realizat: 14 ca Director din care: 11 Director Proiecte Internaționale 3 Director Proiecte Naționale
Punctaj -	Realizat: 670

(A2) 2.4 Granturi/proiecte castigate prin competitie

2.4.1 Director/ responsabil - Minim 2 pentru Profesor, din care cel puțin 1 ca Director.

2.4.1.1 internaționale 20 x ani desfășurare

2.4.1.2 naționale 5 x ani desfășurare

Contracte de cercetare științifică câștigate în competiții internaționale și naționale ca director de proiect

	TITLUL GRANTULUI / PROIECTULUI 2.4.1.1 internaționale 20 x ani desfășurare 2.4.1.2 naționale 5 x ani desfășurare	DATE DE IDENTIFICARE (BENEFICIARI)	DURATA	Director / Responsabil D/R	International / National I/N	Punctaj
	TOTAL PUNCTAJ			14 D	11 I 3 N	670
14	New hybrid (inorganic-organic) functionalization of biomaterials (metals alloys) surfaces with functional molecules by electrochemical techniques (Noi funcționalizări hibride (anorganic – organic) a suprafețelor biomaterialelor (metale, aliaje) cu molecule bioactive prin tehnici electrochimice).	PN-II-ID-PCE-2012-4-0370 EXPLORATORY RESEARCH PROJECTS - PN-II-ID-PCE-2012-4 http://www.hybioelect.ugal.ro	2013 / 2016 2013: 4 luni	D	N-3	15

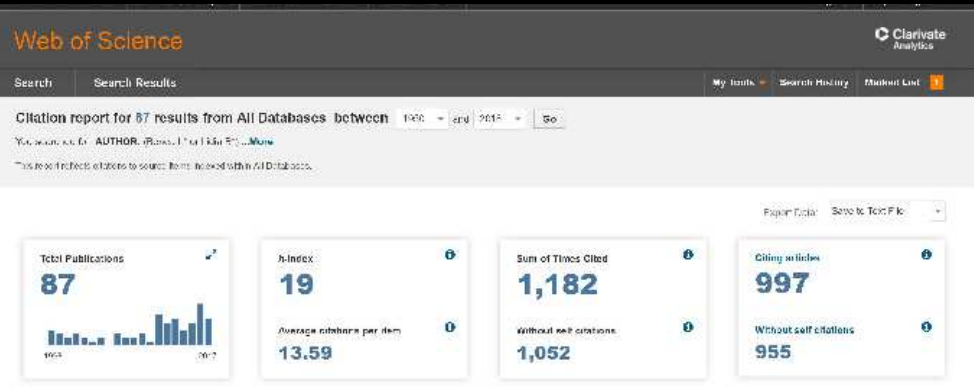

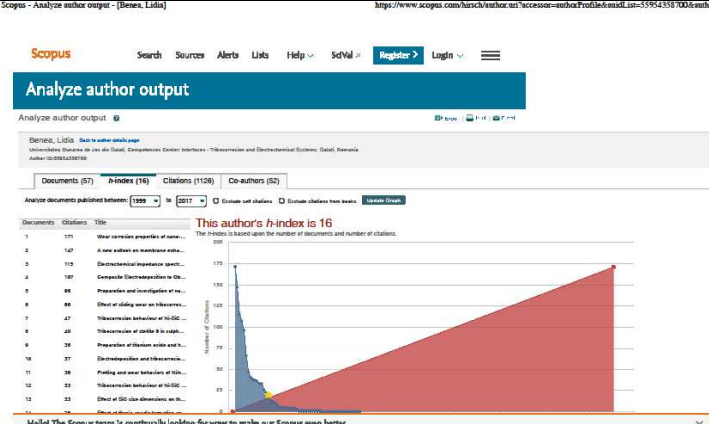
	Acronim: HyBioElect.					
13	Director Proiect: Lidia BENEĂ Tribocoroziunea biomaterialelor și a straturilor micro și nanostructurate în medii specifice. (Tribocorrosion de biomatériaux et de dépôts micro et nano structurés dans des milieux spécifiques). Acronimul proiectului: CorrBioMat	PN-II-CT-RO-FR-2012-1-0009 http://uefiscdi.gov.ro/articole/3229/Cooperare-bilaterala-Romania-Franta--proiecte-de-contractat.html http://www.corrbiomat.ugal.ro	2013 - 2014	D	I-11	40
12	Director Proiect: Lidia BENEĂ Suprafețe funcționale obținute prin electrodepunerea nanofazelor disperse ceramice cu metale (Co, Ni, Zn, Cu) pentru creșterea rezistenței la coroziune și tribocoroziune. Acronim: NanoSurfCor	Proiect CEA-IFA C2-02/martie 2012. Bilateral jointly financed by CEA (France) and IFA (Romania). http://www.nanosurfcrr.ugal.ro	2012 – 2015	D	I-10	80
11	Director Proiect: Lidia BENEĂ RO1: Electrochemical Aspects and Bio - Tribocorrosion Properties of Actually Used Alloys and Alternative Materials and Coatings in artificial joints. Mobility Grants UDJG Experts: 2006-2009: 8000 Euro.	ESF-COST. COST 533 Materials - Materials for Improved Wear Resistance of Total Artificial Joints.	2006-2009.	D	I-9	80
10	Director Proiect International Bilateral: Lidia Benea Etude de dépôts composites nanostructures pour surfaces fonctionnelles. Program Humbert Curien (PHC) –FR –Brancuși-RO.	International Bilateral Cooperation Research Project. Bilateral România- Franța PHC-Brancuși. Project ANCS Modul III, 214/14/04/2009.	2009-2010	D	I-8	40
9	BENEĂ Lidia - Chairman of Organizing Committee. COST D33-Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials. Funds for Workshop Organisations : 3000 Euro.	Director Grant: Lidia BENEĂ. Grant ESF COST pentru organizarea Workshopului final COST D33.	2009	D	I-7	20
8	Director Proiect: COST D33: WG1 – WG2. D33-0002-06: Analyses of chemical and biological processes causing adhesion of macromolecules, (microbial) cells, consortia etc to materials surfaces.	GRANT received from (obținut de la) ESF-COST for (pentru) Organising COST D33 WG/01/08 Working Group Meeting, 2008. WG1-WG2 event.	2008	D	I-6	20
7	Director Proiect: Electrochemical Methods to Study the Tribocorrosion Processes. 120BENEĂ	CNCSIS Mobility Funds. 2008: Grant CNCSIS tip MC nr 120, Benea Lidia.	2008	D	N-2	5

6	<p>Director Proiect RO: Lidia BENEĂ. Nano-structured composite coatings obtained by electrodeposition to be used in tribocorrosion systems: processing and properties investigation. WG3 – Tribochemistry:</p>	<p>ESF-COST COST 532 – Materials - Triboscience and Tribotechnology: Superior Friction and Wear Control in Engines and Transmissions. Mobility Grants: UDJG Experts:</p>	2003-2007	D	I-5	100
5	<p>GRANT CNCISIS tip A 1347: Straturi compozite nanostructurate obtinute electrochimic, destinate protecției suprafețelor funcționale în sisteme tribocorozive. Nanostructured composite coatings obtained by electrodeposition to be used in tribocorrosion systems. Director grant: Benea Lidia.</p>	<p>CNCISIS GRANT CNCISIS tip A 1347.</p>	2005-2006	D	N-1	10
4	<p>Director Proiect BENEĂ Lidia: Etude de dépôts composites nanostructurés, pour la protection des surfaces métalliques contre la tribocorrosion. International Bilateral Cooperation project between Romania</p>	<p>Bilateral RO-FR: PAI--Brancusi International cooperation: Bilateral Research Project Romania - France (Ecole Centrale Paris) – PAI-BRANCUSI, 19/089300L prin MEC-C – Cercetare (ANCS).</p>	2005-2006	D	I-4	40
3	<p>ESF - COST COST D33 Chemistry: Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials. BENEĂ Lidia-Vice Chair, Member of Management Committee, Leader of WG1. Director Project RO: Lidia BENEĂ Electrochemical and biotribocorrosion studies of interfaces between (composites, metallic, polymeric, ceramic) materials and micro organisms. Mobility Grants UDJG Experts: 2006-2009.</p>	<p>ESF - COST COST D33 Chemistry: Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials.</p>	2006-2009	D	I-3	80
2	<p>Director Proiect: Lidia BENEĂ</p>	<p>ESF - COST</p>	2003-2006	D	I-2	80

	<p>Nanostructured composite coatings obtained by electrodeposition – processing and properties characterisation. COST D19 CHIMIE Group D19/009/03 Director proiect RO si Membru in Comitetul de Management al COST D19. ESF: European Science Foundation. COST: European Cooperation in Science and Technology.</p>	<p>Action COST D19 Chemistry. COST D19 CHIMIE - Chemical functionality specific to the nanometer scale. Group D19/009/03</p>				
1	<p>Director Proiect: Tribocorrosion of engineering materials in view of their industrial use as sliding parts in pumps, shafts, and motors operated in water-lubricated conditions. COPBIL: Romania - Belgia (Flandre): C/8009/27-09-2002.</p>	<p>International Bilateral Cooperation project between Romania and Belgium "Dunarea de Jos" University of GALATI, Romania - Katholieke Universiteit Leuven, Belgium: - Director of Romanian Part.)</p>	2003-2005	D	I-1	60

A3. Recunoasterea și impactul activității

Hirsch Index (H)

<p>ISI Web of Science</p> $h_{BeneaLidia}^{WebofKn} = 18$ <p>Citări 955</p>	
<p>Google Scholar</p> $h_{BeneaLidia}^{GoogleSch} = 19$ <p>Citări: 1497</p>	
<p>Scopus</p> $h_{BeneaLidia}^{Scopus} = 16$ <p>Citări: 1126</p>	

A3. Recunoașterea și impactul activității

<p>Recunoașterea impactului activității: A3 Cerințe minimale</p>	<p>A3. Criteriu Îndeplinit. TOTAL A3 = 5542.96 din care: A3: 3.1. 3.1.1. = 3358.96 puncte A3: 3.1. 3.1.2. Necalculat. A3: 3.2. = 316 A3: A3.3. = 118 A3: A.3.4 = 1750</p>
<p>Minim 30 citări în ISI pentru Profesor.</p>	<p>Realizat: 963 citări</p>
<p>Minim 120 puncte</p>	<p>TOTAL A3. = 5542.96 % Procente indeplinire = 4619 %</p>

A.3: 3.1. Citări în reviste cotate în ISI [FI Factor de Impact] și în alte BDI (FI se referă la revista în care a fost publicat articolul care citează).

Se exclud autocitățile tuturor co-autorilor.

Minim 30 citări în ISI pentru Profesor.

3.1.1. Citări în reviste cotate în ISI

SUMAR INDICATOR (A3) 3.1.1. $= \frac{1}{n_i} \sum_k S_k$ punctaj calculat conform standardelor pentru articolele: LB1 – LB25.

Nr crt	Cod	Autori / Titlu	$\frac{1}{n_i} \sum_k S_k$ Punctaj total	Nr citări
1	LB1	Benea L., Bonora P.L., Borello A., Martelli S.; Wear corrosion properties of nano-structured SiC-nickel composite coatings obtained by electroplating; (2001) <i>Wear</i> , 249 (10-11), pp. 995-1003 (2001).	538,75	166
2	LB2	Berradja A., Bratu F., Benea L., Willems G., Celis J.-P.; Effect of sliding wear on tribocorrosion behaviour of stainless steels in a Ringer's solution, (2006) <i>Wear</i> , 261 (9), pp. 987-993.	163	53
3	LB3	Benea L.; Wenger F.; Ponthiaux P., Celis J. P.; Tribocorrosion behaviour of Ni-SiC nano-structured composite coatings obtained by electrodeposition; <i>Wear</i> , Volume: 266, Issue: 3-4, Pages: 398-405, Published: FEB 5, 2009.	147,50	48
4	LB4	Ciubotariu A., Benea L., Lakatos-Varsanyi M., Dragan V.; Electrochemical impedance spectroscopy and corrosion behaviour of Al₂O₃-Ni nano composite coatings, (2008) <i>Electrochimica Acta</i> , 53 (13), pp. 4557-4563.	365	99
5	LB5	Benea L., Bonora P.L., Borello A., Martelli S., Wenger F., Ponthiaux P., Galland J., Preparation and investigation of nanostructured SiC-nickel layers by electrodeposition, (2002) <i>Solid State Ionics</i> , 151 (1-4), pp. 89-95.	213,74	104
6	LB6	Benea L., Bonora P.L., Borello A., Martelli S., Wenger F., Ponthiaux P., Galland J., Composite Electrodeposition to Obtain Nanostructured Coatings, <i>Journal of the Electrochemical Society</i> , 148 (7), Volume: 148 Issue: 7 Pages: C461-C465, JUL 2001.	187,3530	100
7	LB7	Bratu F., Benea L., Celis J.-P.; Tribocorrosion behaviour of Ni-SiC composite coatings under lubricated conditions; (2007) <i>Surface and Coatings Technology</i> , 201 (16-17), pp. 6940-6946.	104,90	26
8	LB8	Carac G., Benea L., Iticescu C., Lampke T., Steinhauser S., Wielage B.; Codeposition of cerium oxide with nickel and cobalt: Correlation between microstructure and microhardness, (2004) <i>Surface Engineering</i> , 20 (5), pp. 353-359.	44,96	20
9	LB9	Benea L., P.L. Bonora, A. Borello, S. Martelli. Effect of SiC size dimensions on the corrosion wear resistance of the electrodeposited composite coatings; <i>Materials and Corrosion,-Werkstoffe und Korrosion</i> , Volume: 53, Issue: 1, Pages: 23-29 Published: JAN 2002.	108,75	33
10	LB10	Benea L., Ponthiaux P., Wenger F., Galland J., Hertz D., Malo J.Y.; Tribocorrosion of stellite 6 in sulphuric acid medium:	79,09	29

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

		Electrochemical behaviour and wear , (2004) <i>Wear</i> , 256 (9-10), pp. 948-953.		
11	LB11	L. Benea , O. Mitoseriu, J. Galland, F. Wenger, P. Ponthiaux; Corrosion study of copper composite coating by impedance spectroscopy method ; <i>Mater. Corros.</i> 51 (2000) 491-495.	26	8
12	LB12	Benea L. ; Electrodeposition of zirconia particles in a copper matrix ; <i>Materials and Manufacturing Processes</i> , Volume: 14, Issue: 2, Pages: 231-242, Published: 1999.	100	10
13	LB13	Lidia Benea . Electrodeposition and tribocorrosion behaviour of ZrO₂-Ni composite coatings . <i>Journal of Applied Electrochemistry</i> , 39, 2009, 1671-1681.	370	27
14	LB 14	L Benea , E Danaila, P Ponthiaux, Effect of titania anodic formation and hydroxyapatite electrodeposition on electrochemical behaviour of Ti-6Al-4V alloy under fretting conditions for biomedical applications , <i>Corrosion Science</i> (2015) 91, 262-271.	88,28	13
15	LB 15	Lidia Benea , Sorin-Bogdan Basa, Eliza Danaila, Nadège Caron, Olivier Raquet, Pierre Ponthiaux, Jean-Pierre Celis, Fretting and wear behaviors of Ni/nano-WC composite coatings in dry and wet conditions , <i>Materials and Design</i> 65 (2015) 550-558.	57,0979	24
16	LB 16	L Benea , E Danaila, JP Celis. Influence of electro-co-deposition parameters on nano-TiO₂ inclusion into nickel matrix and properties characterization of nanocomposite coatings obtained . <i>Materials Science and Engineering: A</i> 610 (2014) 106-115.	56,62	12
17	LB 17	L Benea , E Mardare-Danaila, M Mardare, JP Celis. Preparation of titanium oxide and hydroxyapatite on Ti-6Al-4V alloy surface and electrochemical behaviour in bio-simulated fluid solution . <i>Corrosion Science</i> (2014) 80, 331-338.	115,0	26
18	LB 18	L. Benea , E. Mardare-Danaila, J.P. Celis, Increasing the tribological performances of Ti-6Al-4V alloy by forming a thin nanoporous TiO₂ layer and hydroxyapatite electrodeposition under lubricated conditions , <i>Tribology International</i> 78 (2014) 168-175	36,64	6
19	LB 19	L. Benea , P. Ponthiaux, F. Wenger, Co-ZrO₂ electrodeposited composite coatings exhibiting improved micro hardness and corrosion behavior in simulating body fluid solution , <i>Surface and Coatings Technol</i> 205 (2011) 5379-5386.	78,27	16
20	LB 20	S. Balta, A. Sotto, P. Luis, L. Benea , B. Van der Bruggen, J. Kim, A new outlook on membrane enhancement with nanoparticles: the alternative of ZnO , <i>Journal of Membrane Science</i> 389 (2012) 155-161.	443,03	136
21	LB 21	E. Mardare, L. Benea , J. Celis, Importance of applied normal loads on the tribocorrosion behaviour of Ti-6Al-4V alloy in bio-simulated environment , <i>Optoelectron. Adv. Mater.</i> , 6 (2012), pp. 474-478.	6,66	1
22	LB 22	Benea L , Sorcaru SF, Ponthiaux P, Wenger F, Electrosynthesis and performances of cobalt-ceria nanocomposite biocoatings , <i>Advances in Applied Ceramics</i> 111 (2012), (3) pp. 134-141.	5	2
23	LB 23	Lidia Benea , Electrochemical Impedance Spectroscopy and Corrosion Behavior of Co/CeO₂ Nanocomposite Coatings in Simulating Body Fluid Solution , <i>Metallurgical and Materials Transactions A</i> , 2013, 44 (2), 1114-1122.	15	1
24	LB 24	E. Mardare, L. Benea , J. P. Celis, Novel nano-TiO₂ layer preparation on Ti-6Al-4V support alloy and their characterization , <i>Digest J. Nanomaterials and Biostructures</i> 7 (2012), 933-939.	3,33	1
25	LB 25	A. C. Ciubotariu, L. Benea , P. L. Bonora, Corrosion Studies of Carbon Steel X60 by Electrochemical Methods , <i>Journal of Optoelectronics and Advanced Materials</i> , Vol. 12, No. 5, 2010, pp. 1170-1175	4,99	2
TOTAL			3358,96	963

(A3) 3.1.1. Citări în reviste ISI

	Referința bibliografică a publicației la care citează Cu F.I. (Factor de Impact). Link: Prof Dr Lidia Benea Cited Articles www.cc-ites.ugal.ro/	5/nr. autori pentru $FI < 0.5$; 10/nr. autori pentru $0.5 \leq FI < 1$; 15/nr. autori pt. $1 \leq FI \leq 2$ 20/nr. autori pt. $FI > 2$. 30/nr. Autori pt. $FI > 5$	F.I. Impact Factor	$\sum_k S_k$	n_i nr autori	$\frac{1}{n_i} \sum_k S_k$
LB 1	Benea L. , Bonora P.L., Borello A., Martelli S.; Wear corrosion properties of nano-structured SiC-nickel composite coatings obtained by electroplating ; (2001) <i>Wear</i> , 249 (10-11), pp. 995-1003 (2001). F.I. = 2.323 doi:10.1016/S0043-1648(01)00844-4			S_k / n_i Punctaj pe citare	4	538,75
2016	Citat de 14 ori în 2016 în Reviste cotate ISI			50		50
1.1.	Mengkuo Xu, Shigen Zhu, Hao Ding, Xiaoben Qi, Influence of electric contact strengthening on the microstructure and properties of electro brush plating Ni-P/nano-WC composite coatings , <i>Int. Journal of Refractory Metals and Hard Materials</i> , Available online 28 October 2016, pp. 70-77. http://dx.doi.org/10.1016/j.jirmhm.2016.10.017		2.155	5,00		
1.2.	Shengfeng Zhou, Jianbo Lei, Xiaoqin Dai, Jinbo Guo, Zhenjie Gu, Hongbo Pan, A comparative study of the structure and wear resistance of NiCrBSi/50 wt.% WC composite coatings by laser cladding and laser induction hybrid cladding , <i>Int. Journal of Refractory Metals and Hard Materials</i> 60 (2016) 17–27. http://dx.doi.org/10.1016/j.jirmhm.2016.06.019		2.155	5,00		
1.3.	Shirin Dehgahi, Rasool Amini, Morteza Alizadeh, Corrosion, passivation and wear behaviors of electrodeposited Ni–Al₂O₃–SiC nano-composite coatings , <i>Surface & Coatings Technology</i> 304 (2016) 502–511. http://dx.doi.org/10.1016/j.surfcoat.2016.07.007		2.589	5,00		
1.4.	Xiaoqing Zheng, Yufu Xu, Jian Geng, Yubin Peng, Dustin Olson, Xianguo Hu, Tribological behavior of Fe₃O₄/MoS₂ nanocomposites additives in aqueous and oil phase media , <i>Tribology International</i> 102 (2016) 79–87. http://dx.doi.org/10.1016/j.triboint.2016.05.024		2.903	5,00		
1.5.	Mohammad Mirak, Morteza Alizadeh, Mohammad Ghaffari, Mohammad Najafi Ashtiani, Characterization, mechanical properties and corrosion resistance of biocompatible Zn-HA/TiO₂ nanocomposite coatings , <i>Journal of the Mechanical Behavior of Biomedical Materials</i> 62 (2016) 282-290.		3.110	5,00		

		http://dx.doi.org/10.1016/j.jmbbm.2016.05.016				
	1.6.	Pradeep Tirlapur, M. Muniprakash, Meenu Srivastava, Corrosion and Wear Response of Oxide-Reinforced Nickel Composite Coatings , <i>Journal of Materials Engineering and Performance</i> , Volume 25(7), July 2016, pp. 2563-2569. DOI: 10.1007/s11665-016-2117-1	1.331	3,75		
	1.7.	O.S. Asiq Rahman, Nitin P.Wasekar, G. Sundararajan, Anup Kumar Keshri, Experimental investigation of grain boundaries misorientations and nano twinning induced strengthening on addition of silicon carbide in pulse electrodeposited nickel tungsten composite coating , <i>Materials Characterization</i> 116 (2016) 1–7. http://dx.doi.org/10.1016/j.matchar.2016.04.002	2.714	5,00		
	1.8.	M. Fazel, S. Bahramzadeh, M.R. Garsivaz jazi, M. Ramazani, S.R. Bakhshi, The influence of temperature on tribological behaviour of Ni-SiC Electrodeposited coating , <i>Materials at High Temperatures</i> , Volume 33, Issue3, 2016, pp. 219-224. http://dx.doi.org/10.1080/09603409.2016.1154125	0.802	2,5		
	1.9.	Qin-YingWang, Xian-Zong Wang, Hong Luo, Jing-Li Luo, A study on corrosion behaviors of Ni–Cr–Mo laser coating, 316 stainless steel and X70 steel in simulated solutions with H₂S and CO₂ , <i>Surface & Coatings Technology</i> 291 (2016) 250–257. http://dx.doi.org/10.1016/j.surfcoat.2016.02.017	2.589	5,00		
	1.10.	L. N. Bengoa, P. Pary, W. A. Egli, Codeposition of Particles: Role of Adsorption of the Electroactive Species , <i>J. Electrochem. Soc.</i> 2016 volume 163, issue 14, D780-D786. doi: 10.1149/2.0721614jes	3.259	5,00		
	1.11.	Amir Sadeghi, Maximilian Sieber, Hosein Hasannejad, Ingolf Scharf, Thomas Lampke, Correlating the Layer Properties of Ni-alumina Composite Coatings and the Mechanism of Codeposition , <i>International Journal of Chemistry</i> ; Vol. 8, No. 2; 2016, pp 110-122. doi:10.5539/ijc.v8n2p110	-	-		
	1.12.	Désiré M. K. Abro, Pierre Dablé, Fernando Cortez-Salazar, Véronique Amstutz, Hubert Girault, Characterization of Surface State of Inert Particles: Case of Si and SiC , <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2016, 4, 62-72. http://dx.doi.org/10.4236/jmmce.2016.41007	1.210	3,75		
	1.13.	David Edward Cooper, The High Deposition Rate Additive Manufacture of Nickel Superalloys and Metal Matrix Composites , PhD Thesis, University of Warwick, Warwick Manufacturing Group, May 2016.	-	-		
	1.14.	Geis II, John P.; Hailles, Theodore C., Deterring Emergent Technologies , <i>Strategic Studies Quarterly</i> . Fall2016, Vol. 10 Issue 3, p47-73.	-	-		
2015	Citat de 10 ori in 2015 in Reviste cotate ISI			25		25
	1.1.	W.-C. Sun, P. Zhang, K. Zhao, M.-M. Tian, Y. Wang, Effect of graphite concentration on the friction and wear of Ni-Al₂O₃/graphite composite coatings by a combination of electrophoresis and electrodeposition , <i>Wear</i> 342-343 (2015) 172-180. DOI: 10.1016/j.wear.2015.08.020	2.323	5		

1.2.	X. Wei, Z. Yang, Y. Tang, W. Gao, Influence of Al₂O₃ sol concentration on the microstructure and mechanical properties of Cu-Al₂O₃ composite coatings , International Journal of Modern Physics B 29 (2015). Volume 29, Issue 10n11, 30 April 2015 Article number 1540021. 7 pages. DOI: 10.1142/S0217979215400214	0.79	2,5		
1.3.	D. Ye, X. Zeng, S. Wu, M. Huang, J. Wei, Friction and wear behavior of electrochemical Ni-based CNTs composite coatings , Jinshu Rechuli/Heat Treatment of Metals 40 (2015) 41-43. DOI: 10.13251/j.issn.0254-6051.2015.02.008	0.538	2,5		
1.4.	Q.-X. Yi, Y.-D. He, Ni and Ni-Al₂O₃ nano-coatings prepared by the cathodic plasma electrolytic deposition , Cailliao Rechuli Xuebao / Transactions of Materials and Heat Treatment 36 (2015) 191-196, ISSN: 10096264.	-	-		
1.5.	A. Tang, M. Wang, W. Huang, X. Wang, Composition design of Ni-nano-Al₂O₃-PTFE coatings and their tribological characteristics , Surface and Coatings Technology 282 (2015) 121-128. DOI: 10.1016/j.surfcoat.2015.10.034	2.139	5		
1.6.	F.C. Walsh, C.T.J. Low, J.O. Bello, Influence of surfactants on electrodeposition of a Ni-nanoparticulate SiC composite coating , Transactions of the Institute of Metal Finishing 93, (2015) 147-156. DOI: 10.1179/0020296715Z.000000000237	0.72	2,5		
1.7.	Yi Wang, Qiongyu Zhou, Ke Li, Qingdong Zhong, Quoc Binh Bui, Preparation of Ni-W-SiO₂ nanocomposite coating and evaluation of its hardness and corrosion resistance , Ceramics International 41 Part A (2015) 79–84. doi: 10.1016/j.ceramint.2014.08.034	2.758	5		
1.8	Bagheri H, Gheyhani M, Masiha H, Aliofkhaezrai M, Rouhaghdam AS, Nanocrystallization by Surface Mechanical Attrition Treatment (chapter 15), Handbook of Mechanical Nanostructuring (2015) pp.325-377. DOI: 10.1002/9783527674947.ch15	-	-		
1.9.	X. M. Shen, J. Z. Zhou, Q. Z. Tu, Development of Three-Dimensional Printing Technology Based on Deterministic Electrochemical Deposition Method , Advanced Materials Research, 1089 (2015) 319-323. doi: 10.4028/www.scientific.net/AMR.1089.319	0.23	1,25		
1.10.	Zhao-feng, Z. H. O. U., P. A. N. Yong, L. E. I. Wei-xin, Ni nanocomposite films formed by Ni nanowires embedded in Ni matrix using electrodeposition-TNMSC , <i>The Chinese Journal of Nonferrous Metals</i> 20, no. 4 (2015). ISSN: 1003-6326.	0.45	1,25		
2014	Citat de 14 ori in 2014 in Reviste cotate ISI		45,00		45,00
1.1.	P Narasimman. PhD Thesis: Studies on the properties of nickel nano SiC and nickel micro SiC electro composites with modeling and optimization . Issue Date: 11-Mar-2014, Anna University, Faculty of Mechanical Engineering. http://hdl.handle.net/10603/17395	-	-		
1.2.	John P. Geis II, PhD, Colonel, USAF, Retired, Grant T. Hammond, PhD, Harry A. Foster, Theodore C. Hailes, Colonel, USAF, Retired. Blue Horizons IV: Deterrence in the Age of Surprise , January 2014, Occasional Paper	-	-		

	No. 70, Center for Strategy and Technology, Air War College, Air University, Maxwell Air Force Base.				
1.3.	Annamaria Vilinska, Sathish Ponnuram, Irina Chernyshova, Ponisseril Somasundaran, Damla Eroglu, Jose Martinez, Alan C. West. Stabilization of Silicon Carbide (SiC) micro-and nanoparticle dispersions in the presence of concentrated electrolyte. <i>Journal of Colloid and Interface Science</i> , 2014, Volume 423, 1 June 2014, Pages 48–53. doi:10.1016/j.jcis.2014.02.007	3.552	5,00		
1.4.	V. Zarghami, M. Ghorbani. Alteration of corrosion and nanomechanical properties of pulse electrodeposited Ni/SiC nanocomposite coatings. <i>Journal of Alloys and Compounds</i> , 2014, Volume 598, 15 June 2014, Pages 236–242. doi:10.1016/j.jallcom.2014.01.220	2.726	5,00		
1.5.	Yi Wang, Qiongyu Zhou, Ke Li, Qingdong Zhong, Quoc Binh Bui. Preparation of Ni–W–SiO₂ nanocomposite coating and evaluation of its hardness and corrosion resistance. <i>Ceramics International</i> , 2014, Volume 41, Issue 1, Part A, January 2015, Pages 79–84 doi:10.1016/j.ceramint.2014.08.034	2.086	5,00		
1.6.	K Jiang, J Li, J Liu. Electrochemical codeposition of graphene platelets and nickel for improved corrosion resistant properties, <i>RSC Advances</i> , 2014, First published online 07 Aug 2014. DOI: 10.1039/C4RA06043A	3.708	5,00		
1.7.	JA Calderón, JE Henao, MA Gómez. Erosion–corrosion resistance of Ni composite coatings with embedded SiC nanoparticles. <i>Electrochimica Acta</i> , Volume 124, 1 April 2014, Pages 190–198. doi:10.1016/j.electacta.2013.08.185	4.08	5,00		
1.8.	A Katampour, M Farzam, I Danaee. Effects of sonication on anticorrosive and mechanical properties of electrodeposited Ni–Zn–TiO₂ nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2014, Volume 254, 15 September 2014, Pages 358–363. doi:10.1016/j.surfcoat.2014.06.043	2.19	5,00		
1.9.	Y Wang, Q Zhou, K Li, Q Zhong, QB Bui. Preparation of Ni–W–SiO₂ nanocomposite coating and evaluation of its hardness and corrosion resistance. <i>Ceramics International</i> , 2015, Volume 41, Issue 1, Part A, January 2015, Pages 79–84. doi:10.1016/j.ceramint.2014.08.034	2.086	5,00		
9.10.	S Faraji, AH Faraji, SR Noori. An investigation on electroless Cu–P composite coatings with micro and nano-SiC particles. <i>Materials & Design</i> , 2014, Volume 54, February 2014, Pages 570–575. doi:10.1016/j.matdes.2013.08.092	3.171	5,00		
1.11.	B Bakhit, A Akbari. A comparative study of the effects of saccharin and β-SiC nano-particles on the properties of Ni and Ni-Co alloy coatings. <i>Surface and Coatings Technology</i> , 2014, Volume 253, 25 August 2014, Pages 76–82. doi:10.1016/j.surfcoat.2014.05.016	2.19	5,00		
1.12.	Y Ullal, A Chitharanjan Hegde. Multilayer Zn-Ni-Al₂O₃ coatings for corrosion protection. <i>International Journal of Materials Engineering Innovation</i> , 2014, Volume 5, Number 3/2014, pages 247-260. Doi: 10.1504/IJMATEI.2014.064282	-	-		

	1.13.	Sahin, Y., Cetinkaya, Y. Microstructure and tribological behaviour of Al₂O₃ particle-reinforced aluminum alloy composite: A comparative study . <i>Journal of the Balkan Tribological Association</i> ISSN 1310-4772, Year 2014, Book 1, p 1-25. http://www.scifulcom.net/	-	-		
	1.14.	Chunjin Hang, Yanhong Tian, Chunqing Wang, Hong Wang, Research on tensile property and creep resistance of electroplating nickel reinforced by Al₂O₃ nanoparticles , (2014) 476-479, 15 th International Conference on Electronic Packaging Technology. 978-1-4799-4707-2/14/\$31.00 ©2014 IEEE	-	-		
2013	Citat de 16 ori in 2013 in Reviste ISI:			53,75		53,75
	1.1.	Habib Ashassi-Sorkhabi, Moosa Es'haghi. Corrosion resistance enhancement of electroless Ni-P coating by incorporation of ultrasonically dispersed diamond nanoparticles . <i>Corrosion Science</i> . Volume 77, December 2013, Pages 185–193.	3.68	5,00		
	1.2.	Z. Abdel Hamid and S.M. El-Sheikh. Enhancement the Properties of Ni Compisite Electroplated Using Nano-Chromium Oxide Powder . <i>Journal of Metallurgical Engineering</i> , Volume 2 Issue 2, April 2013. p.71-79.	-	-		
	1.3.	M. Arab JUNEGHANI, M. FARZAM, H. ZOHIRAD, Wear and corrosion resistance and electroplating characteristics of electrodeposited Cr-SiC nano-composite coatings . <i>Transactions of Nonferrous Metals Society of China</i> . Volume 23, Issue 7, July 2013, Pages 1993–2001.	1.001	3,75		
	1.4.	C.M. Praveen Kumar, T.V. Venkatesha, Rajashekhara Shabadi. Preparation and corrosion behavior of Ni and Ni-graphene composite coatings . <i>Materials Research Bulletin</i> . Volume 48, Issue 4, April 2013, Pages 1477–1483.	1.968	3,75		
	1.5.	Mukesh Kumar, S. Mishra, R. Mitra. Effect of Ar:N₂ ratio on structure and properties of Ni-TiN nanocomposite thin films processed by reactive RF/DC magnetron sputtering . <i>Surface and Coatings Technology</i> . Vol. 228, pp. 200-2014, 2013.	2.19	5,00		
	1.6.	Wei-Chih Lin, Shih-Fu Ou, Chao-Sung Lin, Yung-Ning Pan, Ching-Jui Shih. Grinding and electrochemical properties of diamond dresser fabricated in a combination technique . <i>Journal of Materials Processing Technology</i> , Volume 213, Issue 12, Pages 2163-2173 (December 2013).	2.041	5,00		
	1.7.	JA Calderón, JE Henao, MA Gómez. Erosion–corrosion resistance of Ni composite coatings with embedded SiC nanoparticles . <i>Electrochimica Acta</i> , 2013. Available online 16 September 2013. http://www.sciencedirect.com/science/article/pii/S0013468613017209	4.08	5,00		
	1.8.	Manoj Kumar Tripathi, D. K. Singh and V. B. Singh. Electrodeposition of N-Fe/BN Nano-Composite Coatings from a Non-aqueous Bath and Their Characterization . <i>International Journal of Electrochemical Science, Int. J. Electrochem. Sci.</i> , 8 (2013) pp.3454 -3471.	1.956	3,75		
	1.9.	Yun Li, Liang Fang, Wei Dong Shen, Sheng Chun Wang, Chun Lan Cao, Jia Hu. Fabrication and Performance of Ni-Co-P/Si₃N₄ Electroplated Composite Coatings on Al-Si Alloys . <i>Applied Mechanics and Materials (Volume 377)</i> , <i>Advances on Materials Engineering</i> , pp. 235-239, 10.4028/www.scientific.net/AMM.377.235, August 2013.	-	-		
	1.10.	Hung Bin Lee. Synergy Between Corrosion and Wear of Electrodeposited Ni-W Coating . <i>Tribology Letters</i> , June 2013, Volume 50, Issue 3, pp 407-419.	2.151	5,00		

**Standarde minime pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

1.11	Soheila Faraji, Amir Hossein Faraji, Seyed Reza Noori, An Investigation on Electroless Cu–P composite coatings with micro and nano–SiC particles. <i>Materials & Design</i> , Volume 54, February 2014, Pages 570–575.	3.171	5,00		
1.12	M. Palaniappa, Manish Roy. Plating and Tribology. <i>Surface Engineering for Enhanced Performance against Wear</i> , 2013, pp 193-227.	1.86	3,75		
1.13	A. Lanzutti, M. Lekka, E. Marin, L. Fedrizzi. Tribological Behavior of Thermal Spray Coatings, Deposited by HVOF and APS Techniques, and Composite Electrodeposits Ni/SiC at Both Room Temperature and 300 °C. <i>Tribology in Industry</i> , Vol. 35, No. 2, pp. 113-122, 2013.	1.163	3,75		
1.14	Ebru Saralođlu Güler. Electrocodeposition of molybdenum disulfide particles in nickel matrix. A Thesis submitted to the Graduate School of Natural and Applied Sciences of Middle East Technical University. July 2013.	-	-		
1.15	A. Lanzutti, M. Lekka, E. Marin, L. Fedrizzi. Tribological Behavior of Thermal Spray Coatings, Deposited by HVOF and APS Techniques, and Composite Electrodeposits Ni/SiC at Both Room Temperature and 300 °C. Proceeding Volume <i>SERBIATRIB '13 - 13th International Conference on Tribology</i> , Kragujevac, Serbia, 15 – 17 May 2013, pp. 46-54	-	-		
1.16	J.A. Calderón, J.E. Henao, M.A. Gómez. Erosion-Corrosion Resistance of Ni Composite Coatings with Embedded SiC Nanoparticles. <i>Electrochimica Acta</i> , In Press, Corrected Proof, Available online 16 September 2013. http://dx.doi.org/10.1016/j.electacta.2013.08.185	4.08	5,00		
2012	Citat de 15 ori in 2012 in Reviste ISI:		38,75		38,75
1.1.	Lee, C.K. Corrosive Wear and Mechanical Properties of Ni/Al 20 3 Micro and Nanoparticulates-Reinforced Coatings on Ti-6Al-4V Alloy. <i>Tribology Transactions</i> , 2012, 55 (5), pp. 640-651.	1.081	3,75		
1.2	Shih, C.-J., Yeh, C.-H., Lin, C.-S., Pan, Y.-N. Development and characterization of a combinative technique for improving the polishing performance of diamond microarray dresser. <i>Diamond and Related Materials</i> , 2012, 29 , pp. 69-78.	1.572	3,75		
1.3	Zhang, Y., Tian, M., Liu, L., Peng, X. Preparation of Ni-Cr nanocomposite coatings by D. C. and pulsed D. C. electroplating technique. <i>Caillao Yanjiu Xuebao/Chinese Journal of Materials Research</i> , 2012, 26 (4) , pp. 377-382.	-	-		
1.4	Arghavani, R., Ahmadi, N.P., Yazdani, S., Bostani, B. Investigations on corrosion proceeding path and EIS of Ni-ZrO2 composite coating. <i>Surface Engineering</i> , 2012, 28 (7) , pp. 508-512.	-	-		
1.5	Jeyaraj, S., Arulshri, K.P. Characterization of electrodeposited nickel-Al 20 3 composite coatings by experimental method and neural networks. <i>Journal of Applied Sciences</i> , 2012, 12 (10) , pp. 911-919.	0.53	2,50		
1.6	Narasimman, P., Pushpavanam, M., Periasamy, V.M. Wear and scratch resistance characteristics of electrodeposited nickel-nano and micro SiC composites. <i>Wear</i> , 2012, 292-293 , pp. 197-206	1.86	3,75		
1.7	Park, S., Kim, K.-S., Roh, J.Y., Jang, G.-B., Ahn, S.-H., Lee, C.S. Improvement of the tool life of a micro-end mill using nanosized SiC/Ni electroplating method. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12 (4) , pp. 3376-3379.	1.339	3,75		
1.8	Rigou, V.I., Marginean, G., Frunzaverde, D., Câmpian, C.V. Silver based composite coatings with improved sliding wear Behaviour. <i>Wear</i> , 2012, 290-291 , pp. 61-65.	1.86	3,75		
1.9	Xu, Y., Liu, S., Liu, X. Wear resistance of high frequency pulse electroplating Ni-SiC nano-composite coating. <i>Advanced Materials Research</i> , 2012, 465 , pp. 61-65.	-	-		

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

1.10	García-Lecina, E., García-Urrutia, I., Díez, J.A., Morgiel, J., Indyka, P. A comparative study of the effect of mechanical and ultrasound agitation on the properties of electrodeposited Ni/Al ₂ O ₃ nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2012, 206 (11-12) , pp. 2998-3005.	2.19	5,00		
1.11	Ortolani, M., Zanella, C., Azanza Ricardo, C.L., Scardi, P. Elastic grain interaction in electrodeposited nanocomposite Nickel matrix coatings. <i>Surface and Coatings Technology</i> , 2012, 206 (8-9) , pp. 2499-2505.	2.19	5,00		
1.12	Malfatti, C.F., Ferreira, J.Z., Oliveira, C.T., Rieder, E.S., Bonino, J.-P. Electrochemical behavior of Ni-Pi-SiC composite coatings: Effect of heat treatment and SiC particle incorporation. <i>Materials and Corrosion</i> , 2012, 63 (1) , pp. 36-43.	1.508	3,75		
1.13	Caterina Zanella, Stefano Rossi, Flavio Deflorian. 10. Metal-Matrix Nanocomposite Coatings Produced by Electrodeposition. In cartea: <i>Green Corrosion Chemistry and Engineering: Opportunities and Challenges</i> . Ed . Prof. Sanjay K. Sharma. Published Online: 28 NOV 2011. DOI:10.1002/9783527641789.ch10.	-	-		
1.14	Gabriele Salvago, Massimiliano Bestetti. Metal Matrix Composites: Corrosion. In <i>Wiley Encyclopedia of Composites</i> . Published Online: 20 JUL 2012. DOI: 10.1002/9781118097298.weoc140.	-	-		
1.15	Ching-Jui Shih, Chia-Hung Yeh, Chao-Sung Lin, Yung-Ning Pan. Development and characterization of a combinative technique for improving the polishing performance of diamond microarray dresser. <i>Diamond & Related Materials</i> 29 (2012) 69–78.	1.572	3,75		
2011	Citat de 15 ori in 2011 in Reviste ISI:		48,75		48,75
1.1	Borkar T., Harimkar S.P.; Effect of electrodeposition conditions and reinforcement content on microstructure and tribological properties of nickel composite coatings ; <i>Surface & Coatings Technology</i> , Volume: 205, Issue: 17-18, Pages: 4124-4134, Published: May 25 2011	2.19	5,00		
1.2	Tian, L., Xu, J.; Electrodeposition and characterization of Ni-Y₂O₃ Composite ; (2011) <i>Applied Surface Science</i> 257 (17), pp. 7615-7620	2.538	5,00		
1.3	Lekka, M., Lanzutti, A., Zanella, C., Zendron, G., Fedrizzi, L., Bonora, P.L.; Resistance to localized corrosion of pure Ni, micro and nano-SiC composite electrodeposits ; (2011) <i>Pure and Applied Chemistry</i> 83 (2), pp. 295-308.	3.386	5,00		
1.4	Sadeghi, A., Khosroshahi, R., Sadeghian, Z.; Morphological, mechanical, corrosion and hydrogen permeation characteristics of Ni-nano-TiO₂ composite coating compared to Ni electrodeposited on low carbon steel ; (2011), <i>Journal of Surface Investigation</i> 5 (1), pp. 186-192. ISSN: 1027-4510.	0.359	1,25		
1.5	Yang, G.-R., Sun, X.-M., Zhou, Y., Song, W.-M., Ma, Y., Lu, J.-J., Hao, Y., The research on wear performance at elevated temperature of Ni-based infiltrated layer , (2011) <i>Advanced Materials Research</i> 154-155, pp. 1375-1378.	-	-		
1.6	Singh, D.K., Singh, V.B., Electrodeposition of Ni-SiC composite from a non-aqueous bath , (2011) <i>Journal of the Electrochemical Society</i> 158 (2), pp. D114-D118.	2.86	5,00		
1.7	Jia-Hu Ouyang, Xue-Song Liang, Jie Wen, Zhan-Guo Liu, Zhen-Lin Yang. Electrodeposition and tribological properties of self-lubricating Ni-BaCr₂O₄ composite coatings . <i>Wear</i> , Volume 271, Issues 9-10, 29 July 2011, Pages 2037-2045.	1.59	3,75		
1.8	Vathsala, K., Venkatesha, T.V.; Zn-ZrO ₂ nanocomposite coatings: Electrodeposition and evaluation of	2.538	5,00		

	corrosion resistance. (2011) <i>Applied Surface Science</i> 257 (21), pp. 8929-8936.			
1.9	Bose, R., Kalaignan, G.P. Fortification of Ni-Y2O3 nanocomposite coatings prepared by pulse and direct current methods. 2011, <i>Ionics</i> 17 (6), pp. 495-501	1.836	3,75	
1.10	Sun, X.-M., Li, J., Yang, G.-R., Song, W.-M., Ma, Y.; The microstructure of Ni/ZrO2 infiltrated composite layer. <i>Advanced Materials Research.</i> (2011) 314-316, pp. 236-239. ISSN: 1662-8985.	-	-	
1.11	P. Narasimman, Malathy Pushpavanam, V.M. Periasamy; Synthesis, characterization and comparison of sediment electro-codeposited nickel-micro and nano SiC composites. <i>Applied Surface Science</i> 258 (2011) 590– 598.	2.538	5,00	
1.12	M. Ortolani, C. Zanella, C.L. Azanza Ricardo, P. Scardi. Elastic grain interaction in electrodeposited nanocomposite Nickel matrix coatings. <i>Surface & Coatings Technology.</i> (2011). doi: 10.1016/j.surfcoat.2011.10.056.	2.19	5,00	
1.13	Shoeib, M.A., Electrodeposited zinc/nickel coatings- A review. (2011) <i>Galvanotechnik</i> 102 (10), pp. 2199-2205.	-	-	
1.14	Çinici, H., Karacif, K., Kafkas, F., Çitak, R. Effect of electrolytic nickel coating on fatigue life of iron based powder metal parts. <i>Kovove Materialy</i> , 49 (5), pp. 355-359.	-	-	
1.15	E. Garc'ia-Lecina, I. Garc'ia-Urrutia, J.A. D'iez, J. Morgiel, P. Indyka. A comparative study of the effect of mechanical and ultrasound agitation on the properties of electrodeposited Ni/Al2O3 nanocomposite coatings. <i>Surface & Coatings Technology.</i> 2011. doi: 10.1016/j.surfcoat.2011.12.037.	2.19	5,00	
2010	Citat de 14 ori in 2010 in Reviste ISI:		40	40
1.1.	ZHOU Zhao-feng, PAN Yong, LEI Wei-xin; Ni nanocomposite films formed by Ni nanowires embedded in Ni matrix using electrodeposition; <i>Trans. Nonferrous Met. Soc. China</i> 20 (2010) 637–642.	-	-	
1.2	Minho Kim, Fangfang Sun, Jaebeom Lee, Yang Ki Hyun, Dongyun Lee; Influence of ultrasonication on the mechanical properties of Cu/Al2O3 nanocomposite thin films during electrocodeposition; <i>Surface & Coatings Technology</i> 205 (2010) 2362–2368.	2.19	5	
1.3.	M. Lekka, C. Zanella, A. Klorikowska; Scaling-up of the electrodeposition process of nano-composite coating for corrosion and wear protection; <i>Electrochimica Acta</i> 55 (2010) 7876–7883.	4.08	5	
1.4	P. Baghery, M. Farzam, A.B. Mousavi, M. Hosseini; Ni–TiO2 nanocomposite coating with high resistance to corrosion and wear; <i>Surface & Coatings Technology</i> 204 (2010) 3804–3810.	2.19	5	
1.5	Weiwei Chen, Yedong He, Wei Gao; Electrodeposition of sol-enhanced nanostructured Ni-TiO2 composite coatings; <i>Surface & Coatings Technology</i> 204 (2010) 2487–2492.	2.19	5	
1.6	B. Ranjith, G. Paruthimal Kalaignan; Ni–Co–TiO2 nanocomposite coating prepared by pulse and pulse reversal methods using acetate bath; <i>Applied Surface Science</i> 257 (2010) 42–47.	2.538	5	
1.7	H. FAN; Electroplating of Compound Ni–SiC Coatings and Improvement of Wear Resistance; <i>Key Engineering Materials</i> , 2010, 426-427, 399.	-	-	
1.8	Wu, M.-H., Xue, J.-H., Lv, H.; Effects of heat treatment on wear resistance of nano Ni-TiN composite layer; <i>Gongneng Cailiao/Journal of Functional Materials</i> 41 (4), pp. 607-609, 2010.	-	-	
1.9	Fan, H.; Electroplating of compound Ni-SiC coatings and improvement of wear resistance.; <i>Key Engineering Materials</i> 2010, 426-427, pp. 399-402.	-	-	

Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016

	1.10	Medina L.A.T., Calderón J.A.; Evaluation of resistance to erosion-corrosion of nickel coatings modified with diamond nanoparticles ; <i>Revista Facultad de Ingeniería</i> 2010, (54), pp. 42-48.	-	-	
	1.11	C. F. Malfatti, J. Z. Ferreira, C. T. Oliveira, E. S. Rieder, J.-P. Bonino; Electrochemical behavior of Ni—P—SiC composite coatings: Effect of heat treatment and SiC particle incorporation . <i>Materials & Corrosion</i> . Article first published online: 16 AUG 2010, DOI: 10.1002/maco.200905611.	1.208	3,75	
	1.12	Rusu D.E., Cojocaru P., Magagnin L., Gheorghies C., Cârâc G.; Study of Ni-TiO₂ nanocomposite coating prepared by electrochemical deposition ; <i>Journal of Optoelectronics and Advanced Materials</i> . 2010. 12 (12), pp. 2419-2422.	0.521	2,50	
	1.13	Zanella, C., Lekka, M., Bonora, P.L.; Effect of ultrasound vibration during electrodeposition of Ni-SiC nanocomposite coatings . <i>Surface Engineering</i> 2010, 26 (7), pp. 511-518.	1.51	3,75	
	1.14	Lekka, M., Zanella, C., Klorikowska, A., Bonora, P.L.; Scaling-up of the electrodeposition process of nano-composite coating for corrosion and wear protection. 2010, <i>Electrochimica Acta</i> 55 (27), pp. 7876-7883.	4.08	5,00	
2009	Citat de 12 ori in 2009 in Reviste ISI:			35	35
	1.1	Han B., Lu X.; Effect of nano-sized CeF₃ on microstructure, mechanical, high temperature friction and corrosion behavior of Ni-W composite coatings ; <i>Surface and Coatings Technology</i> 203 (23), pp.3656-3660 (2009).	2.19	5,00	
	1.2	Praveen B.M., Venkatesha T.V.; Electrodeposition and properties of Zn-Ni-CNT composite coatings ; <i>Journal of Alloys and Compounds</i> 482 (1-2), pp.53-57 (2009).	2.726	5,00	
	1.3	Huang Z.-J., Xiong D.-S.; Dependence of corrosion behavior of Ni-MoS₂/Al₂O₃ coatings in relation to the Al₂O₃ Rrtio in MoS₂/Al₂O₃ particles ; <i>Surface Review and Letters</i> 16 (3), pp. 455-462 (2009).	0.367	1,25	
	1.4	Spanou S., Pavlatou E.A., Spyrellis N.; Ni/nano-TiO₂ composite electrodeposits: Textural and structural modifications ; <i>Electrochimica Acta</i> 54 (9), pp. 2547-2555 (2009).	4.08	5,00	
	1.5	García-Lecina E., García-Urrutia I., Díez J.A., Salvo M., Smeacetto F., Gautier G., Seddon R., Martin R.; Electrochemical preparation and characterization of Ni/SiC compositionally graded multilayered coatings ; <i>Electrochimica Acta</i> 54 (9), pp. 2556-2562 (2009).	4.08	5,00	
	1.6	Zamblau I., Varvara S., Bulea C., Muresana L.M.; Corrosion Behavior of Composite Coatings Obtained by Electrolytic Codeposition of Copper with Al₂O₃ Nanoparticles ; <i>Chemical and Biochemical Engineering Quarterly</i> 23 (1), pp. 43-52 (2009).	0.911	2,50	
	1.7	Liang X.-S., Ouyang J.-H., Li Y.-F., Wang Y.-M.; Electrodeposition and tribological properties of Ni-SrSO₄ composite coatings ; <i>Applied Surface Science</i> 255 (7), pp. 4316-4321 (2009).	2.538	5,00	
	1.8	Aal A.A., El-Sheikh S.M., Ahmed Y.M.Z.; Electrodeposited composite coating of Ni-W-P with nano-sized rod- and spherical-shaped SiC particles ; <i>Materials Research Bulletin</i> 44 (1), pp. 151-159 (2009).	2.108	5,00	
	1.9	ZHANG Yan, PENG Xiao, WANG Fuhui; Effect of Cr particle contents on microstructure of the electrodeposited Ni-Cr nanocomposite ; <i>Chinese Journal of Materials Research</i> (2009), 23(6), pp. 610-615.	-	-	
	1.10	XU Yunhua, CAO Kening, YANG Yuguo, ZHAO Yu, GONG Xiaojing; Microhardness of Ni-Co alloy plated by high frequency pulse currents ; <i>Journal of Chinese Society for Corrosion and Protection</i> (2009), 29(2) pp. 141-144.	-	-	

	1.11	Huynh Thi Ha, Cao Tuan Anh, Nguyen Thu Ha, Dao Tran Cao; Co-deposition and microstructure of Ni-nano SiC coating on metal ; <i>Journal of Physics: Conference Series</i> . 2009, Volume 187 Number 012083.	-	-		
	1.12	Zhong-Jia Huang & Dang-Sheng Xiong; Dependence of corrosion behavior of Ni-MoS₂/Al₂O₃ coatings in relation to the Al₂O₃ ratio in MoS₂/Al₂O₃ particles . <i>Surface Review and Letters</i> ; 2009, Volume 16, Issue 03, 455-462.	0.367	1,25		
	Citat de 9 ori in 2008 in Reviste ISI			37,50		37,50
2008	1.1	Kumar A., Agrawal V.P.; Structural modelling and analysis of electroplating system: A graph theoretic system approach ; <i>International Journal of Surface Science and Engineering</i> 2 (6), pp. 520-540 (2008).	-	-		
	1.2	Lee H.-K., Lee H.-Y., Jeon J.-M.; Electrolytic deposition behaviors of Ni-SiC composite coatings containing submicron-sized SiC particles ; <i>Metals and Materials International</i> 14 (5), pp. 599-605 (2008).	1.223	3,75		
	1.3	Zheng H.-Y., An M.-Z.; Electrodeposition of Zn-Ni-Al₂O₃ nanocomposite coatings under ultrasound conditions ; <i>Journal of Alloys and Compounds</i> 459 (1-2), pp. 548-552 (2008).	2.726	5,00		
	1.4	Sun X.J., Li J.G.; Tribological characterisation of electrodeposited nickel - Titania nanocomposite coatings sliding against silicon nitride in high vacuum ; <i>Surface Engineering</i> . 24 (3), pp. 236-239, (2008).	1.51	3,75		
	1.5	Wang N., Cao X., Kong D., Chen W., Guo L., Chen C.; Nickel chains assembled by hollow microspheres and their magnetic properties ; <i>Journal of Physical Chemistry C</i> 112 (17), pp. 6613-6619 (2008).	4.835	5,00		
	1.6	Han B., Lu X.; Tribological and anti-corrosion properties of Ni-W-CeO₂ coatings against molten glass ; <i>Surface and Coatings Technology</i> 202 (14), pp. 3251-3256, (2008).	2.19	5,00		
	1.7	Vaezi M.R., Sadmezhad S.K., Nikzad L.; Electrodeposition of Ni-SiC nano-composite coatings and evaluation of wear and corrosion resistance and electroplating characteristics ; <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 315 (1-3), pp. 176-182 (2008).	2.354	5,00		
	1.8	Wu B., Yu X.-h., Zhang B., Xu B.-s.; Preparation and characterization of graphite-nickel composite coatings by automatic brush plating ; <i>Surface and Coatings Technology</i> 202 (10), pp. 1975-1979 (2008).	2.19	5,00		
	1.9	Zheng H.-y., An M.-z., Lu J.-f.; Surface characterization of the Zn-Ni-Al₂O₃ nanocomposite coating fabricated under ultrasound condition ; <i>Applied Surface Science</i> 254 (6), pp. 1644-1650 (2008).	2.538	5,00		
2007	Citat de 17 ori in 2007 in Reviste ISI			60,00		60,00
	1.1	Jiang B., Xu B., Dong S., Yi Y., Ding P.; Contact fatigue behavior of nano-ZrO₂/Ni coating prepared by electro-brush ; <i>Surface and Coatings Technology</i> 202 (3), 2007, pp. 447-452.	2.19	5,00		
	1.2	Sun X.J., Li J.G.; Friction and wear properties of electrodeposited nickel-titania nanocomposite coatings ; <i>Tribology Letters</i> 28 (3), 2007, pp. 223-228.	2.151	5,00		
	1.3	Srivastava Sr. M., William Grips V.K., Jain A., Rajam K.S.; Influence of SiC particle size on the structure and tribological properties of Ni-Co composites ; <i>Surface and Coatings Technology</i> 202 (2), 2007, pp. 310-318.	2.19	5,00		
	1.4	Wood R.J.K.; Tribo-corrosion of coatings: A review ; <i>Journal of Physics D: Applied Physics</i> 40 (18), art. no. S10, 2007, pp. 5502-5521.	2.521	5,00		
	1.5	Cho J.K., Yoo M.S., Kang S.G.; Effects of Ultrasonic Treatment Time on the Electroless Ni-P/Nano Diamond(ND) Composite Coating ; <i>Journal of Korean Institute of Metals and Materials</i> 45 (9), 2007, pp. 514-	-	-		

Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016

	519.				
1.6	Y. Zhou, H. Zhanga, B. Qiana; Friction and wear properties of the co-deposited Ni–SiC nanocomposite coating ; <i>Applied Surface Science</i> 253 (20), 2007, pp. 8335-8339.	2.538	5,00		
1.7	S. J. Osborne, W. S. Sweet, K. S. Vecchio, J. B. Talbot; Electroplating of Copper-Alumina Nanocomposite Films with an Impinging Jet Electrode ; <i>Journal of the Electrochemical Society</i> 154 (8), 2007, pp. D394-D399.	2.86	5,00		
1.8	Chu G., Liu S.-Z.; Preparation of Ni-Cu composite coating by composite electroplating ; <i>Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology)</i> 38 (3), 2007, pp. 474-479.	-	-		
1.9	Bin Wu, Bin-shi Xu, Bin Zhang, Yao-hui Lü; Preparation and properties of Ni/nano-Al₂O₃ composite coatings by automatic brush plating ; <i>Surface and Coatings Technology</i> 201 (16-17), 2007, pp. 6933-6939.	2.19	5,00		
1.10	LIU Y. Y., YU J., HUANG H., XU B. H., LIU X. L., GAO Y.; Synthesis and tribological behavior of electroless Ni-P-WC nanocomposite coatings ; <i>Surface and Coatings Technology</i> 201 (16-17), 2007, pp. 7246-7251.	2.19	5,00		
1.11	Felicia Bratu, Lidia Benea, Jean-Pierre Celis; Tribocorrosion behaviour of Ni–SiC composite coatings under lubricated conditions ; <i>Surface and Coatings Technology</i> 201 (16-17), 2007, pp. 6940-6946.	2.19	5,00		
1.12	Wei-Long Liu, Shu-Hue Hsieh, Shen-Jenn Hwang, Ting-Kan Tsai, Wen-Jauh Chen; Tribological properties of electroless Ni-P-SiC composite coatings in rolling/sliding contact under boundary lubrication ; <i>Journal of University of Science and Technology Beijing: Mineral Metallurgy Materials (Eng Ed)</i> 14 (2), 2007, pp. 167-172.	-	-		
1.13	B. M. Praveen, T. V. Venkatesha, Y. A. Naik, K. Prashantha; Corrosion Studies of Carbon Nanotubes-Zn Composite Coating ; <i>Surface and Coatings Technology</i> 201 (12), pp. 5836-5842.	2.19	5,00		
1.14	B. Yu, P. Woo, U. Er; Corrosion behaviour of nanocrystalline copper foil in sodium hydroxide solution ; <i>Scripta Materialia</i> 56 (5), pp. 353-356.	2.968	5,00		
1.15	Srivastava M, Grips VKW, Rajam KS; Electrochemical deposition and tribological behaviour of Ni and Ni-Co metal matrix composites with SiC nano-particles ; <i>Applied Surface Science</i> 253 (8), pp. 3814-3824.	2.538	5,00		
1.16	Lee H.K., Lee H.Y., Jeon J.M.; Codeposition of micro- and nano-sized SiC particles in the nickel matrix composite coatings obtained by electroplating ; <i>Surface and Coatings Technology</i> 201 (8), pp. 4711-4717.	2.19	5,00		
1.17	Zhao-xia NIU, Fa-he CAO, Wei WANG, Zhao ZHANG, Jian-qing ZHANG, Chu-nan CAO; Electrodeposition of Ni-SiC nanocomposite film ; <i>Transactions of Nonferrous Metals Society of China (English Edition)</i> 17 (1), 2007, pp. 9-15.	-	-		
2006	Citat de 11 ori in 2006 in Reviste ISI		47,50		47,50
1.1	L.M. Changa, M.Z. An, H.F. Guo, S.Y. Shi; Microstructure and properties of Ni–Co/nano-Al₂O₃ composite coatings by pulse reversal current electrodeposition ; <i>Applied Surface Science</i> , Volume 253, Issue 4, 15 December 2006, Pages 2132-2137.	2.538	5,00		
1.2	Huanyu ZHENG, Maozhong AN, Junfeng LU; Corrosion behavior of Zn-Ni-Al₂O₃ composite coating ; <i>Rare Metals</i> , Volume 25, Issue 6, Supplement 2, December 2006, Pages 174-178.	0.806	2,50		
1.3	Low C.T.J., Wills R.G.A., Walsh F.C.; Electrodeposition of composite coatings containing nanoparticles in a metal deposit ; <i>Surface and Coatings Technology</i> , Volume 201, Issue 1-2, September 2006, Pages 371-383.	2.19	5,00		
1.4	T.Z. Zoua, J.P. Tua, S.C. Zhanga, L.M. Chena, Q. Wang, L.L. Zhanga, D.N. He; Friction and wear properties of electroless Ni-P- (IF-MoS₂) composite coatings in humid air and vacuum ; <i>Materials Science and</i>	2.24	5,00		

		<i>Engineering: A</i> , Volume 426, Issues 1-2, 25 June 2006, Pages 162-168.				
1.5		Shi L., Sun C.F., Gao P., Zhou F., Liu W.M.; Electrodeposition and characterization of Ni-Co-carbon nanotubes composite coatings ; <i>Surface and Coatings Technology</i> , Volume 200, Issue 16-17, April 2006, Pages 4870-4875.	2.19	5,00		
1.6		S.J. Yan, W.H. Tian, L. Qi; Preparation of tem thin foil containing powder particle by electrodeposition method ; <i>Acta Metallurgica Sinica (English letters)</i> 2006, 19(2), pp. 98-104.	-	-		
1.7		E. A. Pavlatou, M. Stroumbouli, P. Gyftou, N. Spyrellis; Hardening effect induced by incorporation of SiC particles in nickel electrodeposits ; <i>Journal of Applied Electrochemistry</i> , Vol. 36, No. 4. (April 2006), pp. 385-394.	2.147	5,00		
1.8		Hou FY, Wang W, Guo HT; Effect of the dispersibility of ZrO₂ nanoparticles in Ni-ZrO₂ electroplated nanocomposite coatings on the mechanical properties of nanocomposite coatings ; <i>Applied Surface Science</i> , 252(10), pp.3812-3817 (2006).	2.538	5,00		
1.9		Y.S. Dong, P.H. Lina, H.X. Wang; Electroplating preparation of Ni–Al₂O₃ graded composite coatings using a rotating cathode ; <i>Surface and Coatings Technology</i> , Volume 200, Issue 11, 15 March 2006, Pages 3633-3636.	2.19	5,00		
1.10		Xue Yu-Jun, Li Ji-Shun, Ma Wei, Zhou Yan-Wei, Duan Ming-De; Sliding wear behaviors of electrodeposited nickel composite coatings containing micrometer and nanometer La₂O₃ particles ; <i>Journal of Materials Science</i> , vol. 41, issue 6, pp. 1781-1784.	2.305	5,00		
1.11		Th. Lampke, A. Leopold, D. Dietrich, G. Alisch and B. Wielage; Correlation between structure and corrosion behaviour of nickel dispersion coatings containing ceramic particles of different sizes . <i>Surface and Coatings Technology</i> , Volume 201, Issue 6, 4 December 2006, Pages 3510-3517.	2.19	5,00		
2005	Citat de 12 ori in 2005 in Reviste ISI			43,75		43,75
1.1		J. Li, Y. Sun, X. Sun, J. Qiao; Mechanical and corrosion-resistance performance of electrodeposited titania–nickel nanocomposite coatings ; <i>Surface and Coatings Technology</i> ; Volume 192, Issues 2-3, 21 March 2005, Pages 331-335.	2.19	5,00		
1.2		Lingzhong Du, Binshi Xu, Shiyun Dong, Hua Yang, Yixiong Wu; Preparation, microstructure and tribological properties of nano-Al₂O₃/Ni brush plated composite coatings ; <i>Surface and Coatings Technology</i> ; Volume 192, Issues 2-3, 21 March 2005, Pages 311-316.	2.19	5,00		
1.3		Malfatti C.F., Zoppas Ferreira J., Santos C.B., Souza B.V., Fallavena E.P., Vaillant S., Bonino Jean-Pierre; NiP/SiC composite coatings: the effects of particles on the electrochemical behaviour ; <i>Corrosion science</i> (Corros. sci.) ISSN 0010-938X. 2005, vol. 47, n°3(33 ref.), pp. 567-580.	3.68	5,00		
1.4		L. Shi, C.F. Sun, F. Zhou, W.M. Liu; Electrodeposited nickel–cobalt composite coating containing nano-sized Si₃N₄ ; <i>Materials Science and Engineering A</i> ; Volume 397, Issues 1-2, 25 April 2005, Pages 190-194.	2.24	5,00		
1.5		Szczygieł B., Kołodziej M; Corrosion resistance of Ni/Al₂O₃ coatings in NaCl solution ; <i>Transactions of the Institute of Metal Finishing</i> ; Volume 83, Number 4, August 2005, pp. 181-187(7).	-	-		
1.6		Toshiki Tsubota, Shunsuke Tanii, Toshihito Ishida, Masanori Nagata, Yasumichi Matsumoto; Composite electroplating of Ni and surface-modified diamond particles with silane coupling reagent ; <i>Diamond and Related Materials</i> ; Volume 14, Issues 3-7, March-July 2005, Pages 608-612.	-	-		

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

	1.7	Chan KC, Wang GF, Wang CL, et al.; Low temperature superplastic gas pressure forming of electrodeposited Ni/SiCp nanocomposites ; <i>Materials Science and Engineering A-Structural Materials Properties Microstructure and Processing</i> , Volume: 404, Issue: 1-2, Pages: 108-116, Published: Sep 15 2005	2.24	5,00		
	1.8	Gyftou, P., Stroumbouli, M., Pavlatou, E.A., Asimidis, P., Spyrellis, N. ; Tribological study of Ni matrix composite coatings containing nano and micro SiC particles. <i>Electrochimica Acta</i> . 2005, 50 (23 SPEC. ISS.), pp. 4544-4550	4.08	5,00		
	1.9	Lekka, M., Kouloumbi, N., Gajo, M., Bonora, P.L.; Corrosion and wear resistant electrodeposited composite coatings. 2005, <i>Electrochimica Acta</i> 50 (23 SPEC. ISS.), pp. 4551-4556.	4.08	5,00		
	1.10	Szczygieł, B., Kołodziej, M.; Composite Ni/Al ₂ O ₃ coatings and their corrosion resistance. 2005, <i>Electrochimica Acta</i> . 50 (20), pp. 4188-4195	4.08	5,00		
	1.11	Ari-Gur, P., Alogabr, K., Alamr, A., Alkhasawneh, H., Mirmiran, S.; Nanostructure and texture of ni and Ni/SiC nanocomposite Coatings. 2005, <i>Journal of Metastable and Nanocrystalline Materials</i> . 24-25, pp. 619-622.	-	-		
	1.12	Du, L., Xu, B., Dong, S., Li, X., Yang, H., Tu, W., Zhu, Z.; Friction and wear characteristics of brush plating composite coating under sand-containing oil. 2005, <i>Journal of Materials Science and Technology</i> 21 (1), pp. 100-104.	1.610	3,75		
		Citat de 7 ori in 2004 in Reviste ISI		13,75		13,75
2004	1.1	Kruger HG, Knot A, Schindler U, et al.; Composite ceramic-metal coatings by means of combined electrophoretic deposition and galvanic methods ; <i>Journal of Materials Science</i> , Volume: 39, Issue: 3, Pages: 839-844, Published: Feb 1 2004.	2.305	5,00		
	1.2	Wang W, Hou FY, Guo HT; Relationship between dispersibility of ZrO₂ nanoparticles in Ni-ZrO₂ electroplated nanocomposite coatings and mechanical properties of nanocomposite coatings ; Conference Information: 4 th International Conference on Surface Engineering, Oct 29-31, 2004 Shenzhen, Peoples R China. <i>Transactions of Nonferrous Metals Society of China</i> , Vol. 14, Sp. Issue: 2, P.186-189.	-	-		
	1.3	Du, L., Xu, B., Dong, S., Yang, H., Tu, W.; Study of tribological characteristics and wear mechanism of nano-particle strengthened nickel-based composite coatings under abrasive contaminant lubrication . 2004, <i>Wear</i> 257 (9-10), pp. 1058-1063.	1.59	3,75		
	1.4	Wang, W., Hou, F.-Y., Guo, H.-T.; Relationship between dispersibility of ZrO₂ nanoparticles in Ni-ZrO₂ electroplated nanocomposite coatings and mechanical properties of nanocomposite coatings . <i>Transactions of Nonferrous Metals Society of China (English Edition)</i> . 2004, 14 (SUPPL. 2), pp. 186-189.	-	-		
	1.5	Tu, J.-P., Zou, T.-Z., Wang, L.-Y., Chen, W.-X., Xu, Z.-D., Liu, F., Zhang, X.-B.; Friction and wear behavior of Ni-based carbon nanotubes composite coatings . 2004, <i>Zhejiang Daxue Xuebao (Gongxue Ban)/Journal of Zhejiang University (Engineering Science)</i> 38 (7), pp. 931-934.	-	-		
	1.6	Hu, F., Chan, K.C.; Electrocodeposition behavior of Ni-SiC composite under different shaped waveforms . 2004, <i>Applied Surface Science</i> 233 (1-4), pp. 163-171.	2.538	5,00		
	1.7	Kim, S.H., Erb, U., Aust, K.T., Gonzalez, F., Palumbo, G.; The corrosion behavior of nanocrystalline electrodeposits. 2004, <i>Plating and Surface Finishing</i> 91 (5), pp. 68-70.	-	-		
TOTAL CITĂRI 2004 - 2016 Articol LB 1			166			

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 2	Berradja A., Bratu F., Benea L. , Willems G., Celis J.-P.; Effect of sliding wear on tribocorrosion behaviour of stainless steels in a Ringer's solution , (2006) <i>Wear</i> , 261 (9), pp. 987-993. I.F. = 2.323 DOI: 10.1016/j.wear.2006.03.003.		S_k / n_i Punctaj pe citare	5	163
2016	Citat de 7 ori in 2016 in Reviste ISI		24		24
	2.1	Vladimir Totolin, Hakan Göçerler, Manel Rodriguez Ripoll, Martin Jech, Tribo-electrochemical study of stainless steel surfaces during chemical–mechanical polishing , <i>Lubrication Science</i> , First published: 3 February 2016, 28 (6), pp. 363-380. DOI: 10.1002/lis.1336	1.414	3.00	
	2.2	Yue Zhang, Xiang-Yu Yin, Feng-Yuan Yan, Tribocorrosion behaviour of type S31254 steel in seawater: Identification of corrosionwear components and effect of potential , <i>Materials Chemistry and Physics</i> 179 (2016) 273-281. http://dx.doi.org/10.1016/j.matchemphys.2016.05.039	2.084	4.00	
	2.3	Yue Zhang, Jian-Zhang Wang, Xiang-Yu Yin, and Feng-Yuan Yan, Time Dependence of Tribocorrosion Behavior for Stainless Steel and Alumina Tribocouples in Seawater , <i>Tribology Transactions</i> Vol. 59, Iss. 4, 2016, http://dx.doi.org/10.1080/10402004.2015.1094843	1.685	3.00	
	2.4	E. Huttunen-Saarivirta, L.Kilpi, T.J.Hakala, L.Carpen ,H.Ronkainen, Tribocorrosion study of martensitic and austenitic stainless steels in 0.01 M NaCl solution , <i>Tribology International</i> 95 (2016) 358–371. http://dx.doi.org/10.1016/j.triboint.2015.11.046	2.903	4.00	
	2.5	Fatma Ben Saada, Khaled Elleuch, Pierre Ponthiaux, On the tribocorrosion responses of two stainless steels , <i>Tribology Transactions</i> , (2016). http://dx.doi.org/10.1080/10402004.2016.1271930	1.685	3.00	
	2.6	Ferda Mindivan, Harun Mindivan, Surface properties and tribocorrosion behaviour of a thermal sprayed martensitic stainless steel coating after pulsed plasma nitriding process , <i>Advances in Materials and Processing Technologies</i> , Volume 2, Issue 4, 2016. http://dx.doi.org/10.1080/2374068X.2016.1247232	-	-	
	2.7	Qingliang Wang, Xin Zhang, Chuanhui Huang, Yong Luo, Ion Nitriding CoCrMo Alloy for Orthopedic Applications Studied by X-Ray Photoelectron Spectroscopy Analysis and Tribocorrosion Behavior ,	1.521	3.00	

		<i>Journal of Tribology</i> 139(1), 011104 (Jul 26, 2016) (7 pages) Paper No: TRIB-15-1365. doi: 10.1115/1.4033189				
2015	Citat de 9 ori in 2015 in Reviste ISI			25		25
	2.1.	Nikolaos M. Vaxevanidis, Aleksandar Vencl, Pandora Psyllaki, Research on tribology in southeastern Europe: a bibliometric study , <i>FME Transactions</i> (2015) 43, 259-268. VOL. 43, No 3, 2015.	0.53	2.00		
	2.2.	F. Caldas, S. Avilés, M. Mauleoux, Design of a testing bench for biomaterials characterization according to their performance under tribocorrosion , <i>International Review of Mechanical Engineering</i> 9 (2015) 391-400, ISSN: 19708734.	0.83	2.00		
	2.3.	Y. Zhang, X. Yin, Y. Yan, J. Wang, F. Yan, Tribocorrosion behaviors of 304SS: Effect of solution pH , <i>RSC Advances</i> 5 (2015) 17676-17682, ISSN: 20462069. DOI: 10.1039/c4ra13728k	3.289	4.00		
	2.4.	Y. Zhang, X. Yin, F. Yan, Effect of halide concentration on tribocorrosion behaviour of 304SS in artificial seawater , <i>Corrosion Science</i> 99 (2015) 272-280. DOI: 10.1016/j.corsci.2015.07.01.	5.154	6.00		
	2.5.	R. Priya, S. Ningshen, K. Thyagarajan, M. Vasudevan, C. Mallika, U. Kamachi Mudali, Wear and tribocorrosion behaviour of 304L stainless steel welds , <i>Tribology - Materials, Surfaces & Interface</i> 9 (2015) 181-189. DOI:10.1080/17515831.2015.1114775	0.29	1.00		
	2.6.	Nivedita Sahoo, Rajat Mohanty, Pritam Mohanty, An in-vitro evaluation of nickel and chromium release from labial and lingual brackets , <i>International Journal of Advanced Research</i> 3 (2015) 1178 – 1186, ISSN 2320-5407.	5.336	6.00		
	2.7.	Arman Butt, Newton B. Lucchiari Jr., Dmitry Royhman, Maria J. Runa, Mathew T. Mathew, Cortino Sukotjo, Christos G. Takoudis, Design, Development, and Testing of a Compact Tribocorrosion Apparatus for Biomedical Applications , <i>J Bio Tribo Corros</i> (2015) 1:4. pg 1-14. DOI 10.1007/s40735-014-0004-6	-	-		
	2.8.	Oscar Ivan Caldas Flautero, Oscar Fernando Avilés Sánchez, Mauricio Felipe Mauleoux Monroy, Design of a Testing Bench for Biomaterials Characterization According to Their Performance Under Tribocorrosion , <i>International Review of Mechanical Engineering</i> 9 (2015) p 391. DOI: 10.15866/ireme.v9i4.6574	0.250	1.00		
	2.9.	Yue Zhang, Jian-Zhang Wang, Xiang-Yu Yin, Feng-Yuan Yan, Time dependence of tribocorrosion behavior for stainless steel and alumina tribocouples in seawater , <i>Tribology Transactions</i> (2015). DOI:10.1080/10402004.2015.1094843	1.75	3.00		
2014	Citat de 5 ori in 2014 in Reviste ISI			11,00		11,00
	2.1.	R Priya, C Mallika, UK Mudali. Wear and tribocorrosion behaviour of 304L SS, Zr-702, Zircaloy-4 and Ti-grade2 . <i>Wear</i> , Volume 310, Issues 1–2, 15 February 2014, Pages 90–100. doi:10.1016/j.wear.2013.11.051	1.86	3,00		
	2.2.	Y Zhang, X Yin, J Wang, F Yan. Influence of Microstructure Evolution on Tribocorrosion of 304SS in	3.68	4,00		

		Artificial Seawater. <i>Corrosion Science</i> . Volume 88, November 2014, Pages 423–433. doi:10.1016/j.corsci.2014.07.062				
	2.3.	Y Wang, L Shi, D Duan, S Li, J Xu. Tribological properties of Zr₆₁Ti₂Cu₂₅Al₁₂ bulk metallic glass under simulated physiological conditions. 2014, <i>Materials Science and Engineering: C</i> , 2014. Volume 37, 1 April 2014, Pages 292–304. doi:10.1016/j.msec.2014.01.016	2.24	4,00		
	2.4.	Amel Zairi. PhD Thesis: Elaboration et Caracterisation de revetements a base de nitrure de chrome par pulverisation cathodique magnetron en condition reactive: Proprietes mecaniques et tribologiques. Other. Ecole nationale superieure d'arts et metiers - ENSAM; Ecole superieure des sciences et techniques (Tunis), 2013. French. <NNT : 2013ENAM0052>. <pastel-00996656> https://pastel.archives-ouvertes.fr/pastel-00996656	-	-		
	2.5.	Arman Butt, Newton B. Lucchiari Jr., Dmitry Royhman, Maria J. Runa, Mathew T. Mathew, Cortino Sukotjo, Christos G. Takoudis. Design, Development, and Testing of a Compact Tribocorrosion Apparatus for Biomedical Applications. <i>Journal of Bio- and Tribo-Corrosion</i> , December 2014, 1:4, p. 1-14. DOI 10.1007/s40735-014-0004-6	-	-		
	Citat de 6 ori in 2013 in Reviste ISI			18,00		18,00
2013	2.1	R. Priya, C. Mallika, U. Kamachi Mudali. Wear and tribocorrosion behaviour of 304L SS, Zr-702, Zircaloy-4 and Ti-grade2. <i>Wear</i> , 28 November 2013. DOI: http://dx.doi.org/10.1016/j.wear.2013.11.051	1.86	3,00		
	2.2	N. Papageorgiou. The relevance of Cathode kinetics to the interpretation of Triboelectrochemical corrosion. <i>Tribology International</i> , Volume 66, October 2013, Pages 60–71.	2.124	4,00		
	2.3	Fatima Zivic, Miroslav Babic, Nenad Grujovic, Slobodan Mitrovic, Dragan Adamovic. Influence of loose PMMA bone cement particles on the corrosion assisted wear of the orthopedic AISI 316LVM stainless steel during reciprocating sliding. <i>Wear</i> , Volume 300, Issues 1–2, 15 March 2013, Pages 65-77.	1.86	3,00		
	2.4	N. Espallargas, R. Johnsen, C. Torres, A.I. Muñoz. A new experimental technique for quantifying the galvanic coupling effects on stainless steel during tribocorrosion under equilibrium conditions. <i>Wear</i> , Volume 307, Issues 1–2, 30 September 2013, Pages 190–197.	1.86	3,00		
	2.5	A. Golchin, G.F. Simmons, S. Glavatskih, B Prakash. Tribological behaviour of polymeric materials in water-lubricated contacts. Published online before print March 12, 2013, doi: 10.1177/1350650113476441 <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> . March 12, 2013, 1350650113476441. 227 (8) , pp. 811-825. Impact Factor:0.631.	0.631	2,00		
	2.6	Pakshir, M., Bagheri, T., Kazemi, M.R. In vitro evaluation of the electrochemical behaviour of stainless steel and Ni-Ti orthodontic archwires at different temperatures. <i>European Journal of Orthodontics</i> , 2013, 35 (4) , pp. 407-413.	1.390	3,00		
2012	Citat de 3 ori in 2012 in Reviste ISI			13,00		13,00
	2.1	Swaminathan, V., Gilbert, J.L. Fretting corrosion of CoCrMo and Ti6Al4V interfaces. <i>Biomaterials</i> 2012, 33 (22) ,	8.312	6,00		

		pp. 5487-5503.				
	2.2	Antunes, R.A., De Oliveira, M.C.L. Corrosion fatigue of biomedical metallic alloys: Mechanisms and mitigation. <i>Acta Biomaterialia</i> , 2012, 8 (3) , pp. 937-962.	5.684	6,00		
	2.3	Toniollo, M.B., Galo, R., Macedo, A.P., Rodrigues, R.C.S., Ribeiro, R.F., de Mattos, M.G.C. Effect of fluoride sodium mouthwash solutions on cpTi: Evaluation of physicochemical properties <i>Brazilian Dental Journal</i> 2012, 23 (5) , pp. 496-501	0.43	1,00		
	Citat de 6 ori in 2011 in Reviste ISI			19,00		19,00
2011	2.1	Figueiredo-Pina, C.G., Neves, A.A.M., Neves, B.M.B.D., Corrosion-wear evaluation of a UHMWPE/Co-Cr couple in sliding contact under relatively low contact stress in physiological saline solution , (2011) <i>Wear</i> 271 (5-6), pp. 665-670	1.59	3,00		
	2.2	Sivakumar, B., Kumar, S., Sankara Narayanan, T.S.N., Fretting corrosion behaviour of Ti-6Al-4V alloy in artificial saliva containing varying concentrations of fluoride ions , (2011) <i>Wear</i> 270 (3-4), pp. 317-324.	1.59	3,00		
	2.3	M.T. Mathew, T. Uth, N.J. Hallab, R. Pourzal, A. Fischer, M.A. Wimmer.; Construction of a tribocorrosion test apparatus for the hip joint: Validation, test methodology and analysis . <i>Wear</i> , Volume 271, Issues 9-10, 29 July 2011, Pages 2651-2659.	1.59	3,00		
	2.4	Sun, Y., Rana, V.; Tribocorrosion behaviour of AISI 304 stainless steel in 0.5 M NaCl solution . 2011, <i>Materials Chemistry and Physics</i> 129 (1-2), pp.138-147.	2.129	4,00		
	2.5	M. Pakshir, T. Bagheri and M.R. Kazemi. In vitro evaluation of the electrochemical behaviour of stainless steel and Ni-Ti orthodontic archwires at different temperatures . <i>Eur J Orthod</i> . (2011) doi: 10.1093/ejo/cjr055 First published online: July 19, 2011.	1.390	3,00		
	2.6	Neis P. D.; De Baets P.; Ost W.; et al. Investigation of the dynamic response in a dry friction process using a rotating stick-slip tester . <i>WEAR</i> . 2011, Volume: 271 Issue: 9-10 Special Issue: SI Pages: 2640-2650 DOI: 10.1016/j.wear.2010.11.022 Published: JUL 29 2011.	1.59	3,00		
2010	Citat de 10 ori in 2010 in Reviste ISI			35		35
	2.1	Satendra Kumar, T.S.N. Sankara Narayanan, S. Ganesh Sundara Raman, S.K. Seshadri; Fretting corrosion behaviour of thermally oxidized CP-Ti in Ringer's solution ; <i>Corrosion Science</i> 52 (2010) 711–721	3.68	4,00		
	2.2	Satendra Kumar, T.S.N. Sankara Narayanan, S. Ganesh Sundara Raman, S.K. Seshadri; Surface modification of CP-Ti to improve the fretting-corrosion resistance: Thermal oxidation vs. anodizing ; <i>Materials Science and Engineering C - Materials For Biological Applications</i> . 30 (2010) 921–927.	2.24	4,00		
	2.3	Satendra Kumar, T.S.N.Sankara Narayanan, S.Ganesh Sundara Raman, S.K.Seshadri; Evaluation of fretting corrosion behaviour of CP-Ti for orthopaedic implant applications ; <i>Tribology International</i> 43 (2010) 1245–1252.	2.124	4,00		
	2.4	A. de Frutos, M.A. Arenas, G.G. Fuentes, R.J. Rodríguez, R. Martínez, J.C. Avelar-Batista, J.J. de Damborenea; Tribocorrosion behaviour of duplex surface treated AISI 304 stainless steel ; <i>Surface & Coatings Technology</i> 204 (2010) 1623–1630.	2.19	4,00		
2.5	Satendra Kumar, B. Sivakumar, T.S.N. Sankara Narayanan, S. Ganesh Sundara Raman, S.K. Seshadri;	1.59	3,00			

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

		Fretting-corrosion mapping of CP-Ti in Ringer's solution; <i>Wear</i> 268 (2010) 1537–1541.				
	2.6	Tekin K.C., Malayoglu U.; Assessing the Tribocorrosion Performance of Three Different Nickel-Based Superalloys; <i>Tribology Letters</i> , Volume: 37, Issue: 3, Pages: 563-572, Published: MAR 2010 .	2.151	4,00		
	2.7	Suarez C., Vilar T., Gil J., et al.; In vitro evaluation of surface topographic changes and nickel release of lingual orthodontic archwires; <i>Journal of Materials Science-Materials in Medicine</i> , Volume: 21, Issue: 2, Pages: 675-683, Published: FEB 2010.	2.379	4,00		
	2.8	Sivakumar B., Kumar S., Sankara Narayanan T.S.N.; Fretting corrosion behaviour of Ti-6Al-4V alloy in artificial saliva containing varying concentrations of fluoride ions; <i>Wear</i> 270 (3-4), pp. 317-324..	1.59	3,00		
	2.9	Cakmak E., Tekin K. C., Malayoglu U.; Tribocorrosion of Stellite 706 and Tribaloy 400 superalloys; <i>Tribology - Materials, Surfaces & Interfaces</i> , Volume 4, Number 1; pp. 8-14(7), DOI: 10.1179/175158409X459985; Publication date: 2010-03-01.	0.256	1,00		
	2.10	Y. Sun- and Vipul Rana; Tribocorrosion behaviour of AISI 304 stainless steel in 0.5 M NaCl solution. <i>Materials Chemistry and Physics</i> . Volume 129, Issues 1-2, 15 September 2011, Pages 138-147	2.129	4,00		
	Citat de 6 ori in 2009 in Reviste ISI			18		18
2009	2.1	Azzi M., Paquette M., Szpunar J.A., Klemberg-Sapieha J.E., Martinu L.; Tribocorrosion behaviour of DLC-coated 316L stainless steel; <i>Wear</i> 267 (5-8), pp. 860-866 (2009).	1.59	3,00		
	2.2	Henry P., Takadoux J.; Friction and tribocorrosion of 316L stainless steel against UHMWPE or alumina in saline solution; <i>Tribology - Materials, Surfaces and Interfaces</i> 3 (2), pp. 84-91 (2009).	0.256	1,00		
	2.3	Henry P., Takadoux J., Berçot P.; Tribocorrosion of 316L stainless steel and TA6V4 alloy in H₂SO₄ media; <i>Corrosion Science</i> 51(6), pp.1308-1314 (2009).	3.68	4,00		
	2.4	Rapiejko C., Fouvry S., Grosgeat B., Wendler B.; A representative ex-situ fretting wear investigation of orthodontic arch-wire/bracket contacts; <i>Wear</i> 266 (7-8), pp. 850-858 (2009).	1.59	3,00		
	2.5	Diomidis N., Göçkan N., Ponthiaux P., Wenger F., Celis J.-P., Assessment of the surface state behaviour of Al₇₁Cu₁₀Fe₉Cr₁₀ and Al₃Mg₂ complex metallic alloys in sliding contacts, <i>Intermetallics</i> , Volume 17, Issue 11, November 2009, Pages 930-937.	2.119	4,00		
	2.6	Daems, J., Celis, J.-P., Willems, G.; Morphological characterization of as-received and in vivo orthodontic stainless steel archwires; (2009) <i>European Journal of Orthodontics</i> 31 (3), pp. 260-265.	1.390	3,00		
2008	Citat de 1 ori in 2008 in Reviste ISI			4,00		4,00
	2.1	Mischler S., Triboelectrochemical techniques and interpretation methods in tribocorrosion: A comparative evaluation, <i>Tribology International</i> 41 (7), pp. 573-583 (2008)	2.124	4,00		
TOTAL CITĂRI 2008-2016 Article LB 2			53			

	Referința bibliografică a publicației la care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB3	Benea L. ; Wenger F.; Ponthiaux P., Celis J. P.; Tribocorrosion behaviour of Ni-SiC nano-structured composite coatings obtained by electrodeposition ; <i>Wear</i> , Volume: 266, Issue: 3-4, Pages: 398-405, Published: FEB 5, 2009. F.I. = 2.323 DOI: 10.1016/j.wear.2008.04.018 .		S_k / n_i Punctaj pe citare	4	147,50
2016	Citat de 4 ori in 2016 in Reviste ISI		13,75		13,75
	3.1. Y. Zhou, F.Q. Xie, X.Q. Wu, W.D. Zhao, X. Chen, A novel plating apparatus for electrodeposition of Ni-SiC composite coatings using circulating-solution co-deposition technique , Available online 27 December 2016, <i>Journal of Alloys and Compounds</i> , volume 699, pages 366-377. http://dx.doi.org/10.1016/j.jallcom.2016.12.331	3.133	5,00		
	3.2. Pradeep Tirlapur, M. Muniprakash, Meenu Srivastava, Corrosion and Wear Response of Oxide-Reinforced Nickel Composite Coatings , <i>Journal of Materials Engineering and Performance</i> , July 2016, Volume 25, Issue 7, pp 2563–2569. DOI: 10.1007/s11665-016-2117-1	1.331	3,75		
	3.3. Mohammad Mahdavi, Mazaher Ramazani, Zahra Darvishi, Synthesis and characterization of zirconium carbide nanorods at low temperature , <i>Int. Journal of Refractory Metals and Hard Materials</i> 56 (2016) 59–62. http://dx.doi.org/10.1016/j.jirmhm.2015.11.015	2.155	5,00		
	3.4. Mathew Mathew, Shelley Kerwell, Maria Alfaro, Dmitry Royman, Valentim Barao, Sukotjo Cortino, Tribocorrosion and TMJ TJR Devices (Chapter 10) , Book: Temporomandibular Joint Total Joint Replacement – TMJ TJR, pp 251-263, 2016, Print ISBN 978-3-319-21388-0, Online ISBN 978-3-319-21389-7. DOI 10.1007/978-3-319-21389-7	-	-		
2015	Citat de 4 ori in 2015 in Reviste ISI		7,5		7,5
3.1.	G. Gyawali, B. Joshi, K. Tripathi, S.H. Kim, S.W. Lee, Effect of microtexturing on tribological performance of Ni/Ni-SiC composite coatings , <i>Surface Engineering</i> 31 (2015) 701 – 707. doi: 10.1179/1743294415Y.0000000019	1.06	3,75		
3.2.	B. Łosiewicz, The Role of Ni(II) Ion Adsorption onto TiO₂ in the Electrodeposition of Composite Ni-P+TiO₂ Coatings , <i>Solid State Phenomena</i> , 228 (2015) 89-100. doi: 10.4028/www.scientific.net/SSP.228.89	0.39	1,25		
3.3	Arman Butt, Newton B. Lucchiari Jr., Dmitry Royhman, Maria J. Runa, Mathew T. Mathew, Cortino Sukotjo, Christos G. Takoudis, Design, Development, and Testing of a Compact Tribocorrosion Apparatus for	-	-		

		Biomedical Applications , J Bio Tribo Corros (2015) 1:4, pg. 1-14. doi: 10.1007/s40735-014-0004-6				
	3.4.	Nikolaos M. Vaxevanidis, Aleksandar Vencl, Pandora Psyllaki, Research on tribology in southeastern Europe: a bibliometric study , FME Transactions (2015) 43, 259-268. VOL. 43, No 3, 2015.	0.53	2,5		
	Citat de 6 ori in 2014 in Reviste ISI			15,00		15,00
2014	3.1.	Arman Butt, Newton B. Lucchiari Jr., Dmitry Royhman, Maria J. Runa, Mathew T. Mathew, Cortino Sukotjo, Christos G. Takoudis. Design, Development, and Testing of a Compact Tribocorrosion Apparatus for Biomedical Applications . <i>Journal of Bio- and Tribo-Corrosion</i> , December 2014, 1:4, p. 1-14. DOI 10.1007/s40735-014-0004-6	-	-		
	3.2.	JA Calderón, JE Henao, MA Gómez. Erosion–corrosion resistance of Ni composite coatings with embedded SiC nanoparticles . <i>Electrochimica Acta</i> , Volume 124, 1 April 2014, Pages 190–198. doi:10.1016/j.electacta.2013.08.185	4.08	5,00		
	3.3.	J Geringer, DD Macdonald. Friction/fretting-corrosion mechanisms: Current trends and outlooks for implants . <i>Materials Letters</i> , 2014, Volume 134, 1 November 2014, Pages 152–157. doi:10.1016/j.matlet.2014.06.167	2.269	5,00		
	3.4.	Y Xu, Y Zhu, G Xiao, C Ma. Application of artificial neural networks to predict corrosion behavior of Ni–SiC composite coatings deposited by ultrasonic electrodeposition . <i>Ceramics International</i> , 2014, Volume 40, Issue 4, May 2014, Pages 5425–5430. doi:10.1016/j.ceramint.2013.10.125	2.086	5,00		
	3.5.	K Hamal, A Rajbhandari, G Gyawali, Soo Wahn Lee. EFFECT OF STIRRING RATE ON ELECTROCHEMICAL CODEPOSITION OF Ni-SiC COMPOSITE . <i>Scientific World</i> , 2014, 12 (12), 30.	-	-		
	3.6.	A Maleque, AA Abdulmumin. Tribocorrosion Behaviour of Biodiesel — A Review . <i>Tribology Online</i> , 2014, Vol. 9 (2014) No. 1 p. 10-20. http://dx.doi.org/10.2474/trol.9.10	-	-		
2013	Citat de 8 ori in 2013 in Reviste ISI			27,50		27,50
	3.1	Demirci, E.E., Arslan, E., Ezirmik, K.V., Baran, Ö., Totik, Y., Efeoglu, I. Investigation of wear, corrosion and tribocorrosion properties of AZ91 Mg alloy coated by micro arc oxidation process in the different electrolyte solutions . <i>Thin Solid Films</i> . volume 528, issue , year 2013, pp. 116 – 122.	1.867	3,75		
	3.2	Fenghua Su, Cansen Liu, Ping Huang. Friction and wear of nanocrystalline Co and Co–W alloy coatings produced by pulse reverse electrodeposition . <i>Wear</i> . Volume 300, Issues 1–2, 15 March 2013, Pages 114–125.	1.86	3,75		
	3.3	Babak Bakhit, Alireza Akbari. Electrodeposition and characterization of Ni–Co/SiC nanocomposite coatings using sediment co–deposition technique . <i>Journal of Alloys and Compounds</i> . 560, pp.92-104, 2013.	2.726	5,00		
	3.4	J.A. Calderón, J.E. Henao, M.A. Gómez. Erosion-Corrosion Resistance of Ni Composite Coatings with Embedded SiC Nanoparticles . <i>Electrochimica Acta</i> , In Press, Corrected Proof, Available online 16 September 2013. http://dx.doi.org/10.1016/j.electacta.2013.08.185	4.08	5,00		

Standarde minime pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016

	3.5	Dr. Sankara Narayanan T.S.N., Prof. Seshadri S.K. Electro- and Electroless Composite Coatings. <i>Encyclopedia of Tribology</i> , 2013, pp 905-918.	-	-		
	3.6	M. Arab JUNEGHANI, M. FARZAM, H. ZOHRAD, Wear and corrosion resistance and electroplating characteristics of electrodeposited Cr-SiC nano-composite coatings. <i>Transactions of Nonferrous Metals Society of China</i> . Volume 23, Issue 7, July 2013, Pages 1993-2001.	1.01	3,75		
	3.7	Youjun Xu, Yongyong Zhu, Guorong Xiao, Chunyang Ma. Application of artificial neural networks to predict corrosion behavior of Ni-SiC composite coatings deposited by ultrasonic electrodeposition. <i>Ceramics International</i> , http://dx.doi.org/10.1016/j.ceramint.2013.10.125 <i>Ceramics International</i> , In Press, Corrected Proof , Available online 13 November 2013.	2.086	5,00		
	3.8	K. Arul Raj, M. Karthikeyan, J. Alphonsa, V. K. Satish, S. Venugopal . Wear and Sliding-Friction Characteristics of Stainless Steel SS316LN Without a Coating and With a CrN Coating at Elevated Temperatures and in a Vacuum. <i>Metallurgist</i> , November 2013, Volume 57, Issue 7-8, pp 727-735	0.244	1,25		
2012	Citat de 1 dată ori in 2012 in Reviste ISI			5,00		5,00
	3.1	Yu, S.R., Liu, Y., Li, W., Liu, J.A., Yuan, D.S. The running-in tribological behavior of nano-SiO₂/Ni composite coatings. <i>Composites Part B: Engineering</i> , 2012, 43 (3) , pp. 1070-1076.	2.602	5,00		
	Citat de 9 ori in 2011 in Reviste ISI			28,75		28,75
	3.1	Jamaati, R., Toroghinejad, M.R., Szpunar, J.A., Li, D.J.; Tribocorrosion behaviour of Al/Al₂O₃ MMC produced by ARB process; <i>Tribology - Materials, Surfaces and Interfaces</i> 5 (1), pp. 10-15 (2011).	0.256	1,25		
	3.2	Mirzamohammadi, S., Aliov, M.K., Aghdam, A.S.R., Velashjerdi, M., Naimi-Jamal, M.R.; Tribological properties of tertiary Al₂O₃/CNT/ nanodiamond pulsed electrodeposited Ni-W nanocomposite; <i>Materials Science and Technology</i> 27 (2), pp. 546-550 (2011).	0.804	2,50		
	3.3	Xue, Y.J., Shen, C., Li, J.S., Liu, Y.; Oxidation and wear resistance of Ni-Y₂O₃-ZrO₂ nanocomposite coating prepared by ultrasonic electrodeposition; <i>Key Engineering Materials</i> 455, pp. 427-430 (2011).	0.35	1,25		
	3.4	Singh, D.K., Singh, V.B.; Electrodeposition of Ni-SiC composite from a nonaqueous Bath. 2011, <i>Journal of the Electrochemical Society</i> , 2011, 158 (2), pp. D114-D118.	2.86	5,00		
2011	3.5	Mohajeri, S., Dolati, A., Rezagholibeiki, S. Electrodeposition of Ni/WC nano composite in sulphate solution. <i>Materials Chemistry and Physics</i> (2011) 129 (3), pp. 746-750.	2.129	5,00		
	3.6	Gao, J., Suo, J.; Preparation and characterization of the electrodeposited Cr-Al₂O₃/SiC composite coating. <i>Applied Surface Science</i> (2011) 257 (22), pp. 9643-9648.	2.538	5,00		
	3.7	Mirzamohammadi, S., Kiarasi, R., Aliov, M.Kh., Sabur, A.R., Shahrabi, T.; Relation study of different properties for tertiary pulsed electrodeposited Ni-based nanocomposite with Al₂O₃/Y₂O₃/CNT nanopowders. <i>Powder Metallurgy and Metal Ceramics</i> . (2011) 50 (3-4), pp.173-181.	0.202	1,25		
	3.8	Bahadormanesh, B., Dolati, A., Ahmadi, M.R., Electrodeposition and characterization of Ni-Co/SiC nanocomposite coatings. <i>Journal of Alloys and Compounds</i> . 509 (39), pp. 9406-9412.	2.726	5,00		
	3.9	Roohollah Jamaati, Mohammad Reza Toroghinejad, Jerzy A. Szpunar and Duanjie Li. Tribocorrosion Behavior of Aluminum/Alumina Composite Manufactured by Anodizing and ARB Processes. <i>Journal of Materials Engineering and Performance</i> . Volume 20, Number 9, 1600-1605, DOI: 10.1007/s11665-011-9835-1.	0.981	2,50		

2010	Citat de 12 ori in 2010 in Reviste ISI			36,25		36,25
	3.1	Mirzamohammadi S., Aliov M.K., Sabur A.R., et al.; Study of Wear Resistance and Nanostructure of Tertiary Al₂O₃/Y₂O₃/CNT Pulsed Electrodeposited Ni-Based Nanocomposite ; <i>Materials Science</i> , Volume: 46, Issue: 1, Pages: 76-86, Published: SEP 2010.	2.305	5,00		
	3.2	Bahadormanesh B., Dolati A.; The kinetics of Ni-Co/SiC composite coatings electrodeposition ; <i>Journal of Alloys and Compounds</i> , Volume: 504, Issue: 2, Pages: 514-518, Published: AUG 20 2010 .	2.726	5,00		
	3.3	Mirzamohammadi S., Kiarasi R., Aliov M.K., et al.; Study of corrosion resistance and nanostructure for tertiary Al₂O₃/Y₂O₃/CNT pulsed electrodeposited Ni based nanocomposite ; <i>Transactions of the Institute of Metal Finishing</i> , Volume: 88, Issue: 2, Pages: 93-99, Published: MAR 2010.	-	-		
	3.4	de Frutos A., Arenas M.A., Fuentes G.G., et al.; Tribocorrosion behaviour of duplex surface treated AISI 304 stainless steel ; <i>Surface & Coatings Technology</i> , Volume: 204, Issue: 9-10, Pages: 1623-1630, Published: JAN 25 2010 .	2.19	5,00		
	3.5	Nur Azam Badarulzaman, Ahmad Azmin Mohamad, Sunara Puwadaria, Zainal Arifin Ahmad; The evaluation of nickel deposit obtained via Watts electrolyte at ambient temperature ; <i>Journal of Coatings Technology and Research</i> , 2010, Volume 7, Number 6, Pages 815-820.	1.280	3,75		
	3.6	Xue Y.-J., Shen C., Li J.-S., Li H., Si D.-H.; Corrosion resistance of Ni-Y₂O₃ composite coating prepared by electrodeposition under ultrasonic condition ; <i>Advanced Materials Research</i> , 2010, 97-101, pp. 1235-1238.	0.44	1,25		
	3.7	Belhamel K., Kheraz H., Ludwig R., Nguen T.K.D., Allsop N., AL-Juaid S.S.; Electrodeposition and morphology analysis of nickel nanoparticles from sulphate bath ; <i>e-Journal of Surface Science and Nanotechnology</i> 8, 2010, pp. 227-232.	0.71	2,50		
	3.8	Roohollah Jamaati, Mohammad Reza Toroghinejad, Jerzy A. Szpunar and Duanjie Li; Tribocorrosion Behavior of Aluminum/Alumina Composite Manufactured by Anodizing and ARB Processes ; <i>Journal of Materials Engineering and Performance</i> . DOI: 10.1007/s11665-011-9835-1 Online First.	0.981	2,50		
	3.9	Jamaati, R., Toroghinejad, M.R., Szpunar, J.A., Li, D.J; Tribocorrosion behaviour of Al/Al₂O₃ MMC produced by ARB process . <i>Tribology - Materials, Surfaces and Interfaces</i> 2011, 5 (1), pp. 10-15.	0.256	1,25		
	3.10	Mirzamohammadi, S., Aliov, M.K., Aghdam, A.S.R., Velashjerdi, M., Naimi-Jamal, M.R.; Tribological properties of tertiary Al₂O₃/CNT/ nanodiamond pulsed electrodeposited Ni-W nanocomposite . <i>Materials Science and Technology</i> 2011, 27 (2), pp. 546-550.	0.804	2,50		
	3.11	Xue, Y.J., Shen, C., Li, J.S., Liu, Y.; Oxidation and wear resistance of Ni-Y₂O₃-ZrO₂ nanocomposite coating prepared by ultrasonic electrodeposition . <i>Key Engineering Materials</i> 455, pp. 427-430.	0.51	2,50		
3.12	Jifeng Gao, Jinping Suo; Preparation and Characterization of the Electrodeposited Cr-Al₂O₃/SiC Composite Coating . <i>Applied Surface Science</i> (2010), doi:10.1016/j.apsusc.2011.06.090	2.538	5,00			
2009	Citat de 4 ori in 2009 in Reviste ISI		-	13,75		13,75
3.1	Hassani Sh., Raeissi K., Azzi M., Li D., Golozar M.A., Szpunar J.A.; Improving the corrosion and	3.68	5,00			

		tribocorrosion resistance of Ni-Co nanocrystalline coatings in NaOH solution; <i>Corrosion Science</i> 51 (10), pp. 2371-2379 (2009).			
3.2		Guzmán, J.E.H., Gómez Botero, M.A., Calderón, J.A.; Electrochemical deposition of Ni-SiC composite coatings and evaluation of anticorrosive behavior. <i>Revista Facultad de Ingeniería</i> (49), pp. 70-80.	-	-	
3.3		LIU, X., LI, X., YU, A., HUANG, W.; Preparation and tribological performance of electrodeposited Ni-TiB₂-Dy₂O₃ composite coatings. 2009, <i>Journal of Rare Earths</i> 27 (3), pp. 480-485.	1.342	3,75	
3.4		García-Lecina, E., García-Urrutia, I., Díez, J.A., Salvo, M., Smeacetto, F., Gautier, G.; Electrochemical preparation and characterization of Ni/SiC compositionally graded multilayered coatings. <i>Electrochimica Acta</i> 54 (9), pp. 2556-2562.	4.08	5,00	
TOTAL CITĂRI LB 3: 2009-2016			48		

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 4	Articolul: Ciubotariu A., Benea L. , Lakatos-Varsanyi M., Dragan V.; Electrochemical impedance spectroscopy and corrosion behaviour of Al₂O₃-Ni nano composite coatings , (2008) <i>Electrochimica Acta</i> , 53 (13), pp. 4557-4563. I.F. = 4.803 DOI: 10.1016/j.electacta.2008.01.020.		S_k / n_i Punctaj pe citare	4	365
	Citat de 15 ori in 2016 in Reviste ISI		52.50		52.50
2016	4.1 Dehdab, M., Yavari, Z., Darijani, M., Bargahi, A. The inhibition of carbon-steel corrosion in seawater by streptomycin and tetracycline antibiotics: An experimental and theoretical study , <i>Desalination</i> , Volume 400, 15 December 2016, Pages 7-17. http://dx.doi.org/10.1016/j.desal.2016.09.007	5.527	7,50		
	4.2 Han Li, YiHe, TengHe, YiFan, QiangbinYang, YingQingZhan, The influence of pulse plating parameters on microstructure and properties of Ni-W-Si₃N₄ nanocomposite coatings , <i>Ceramics International</i> 42 (2016) 18380–18392. http://dx.doi.org/10.1016/j.ceramint.2016.08.171	2.986	5,00		

4.3	Ali Shanaghi, Paul K. Chu, Tribological and Corrosion Properties of Nickel/TiC Bilayered Coatings Produced by Electroless Deposition and PACVD , <i>Journal of Materials Engineering and Performance</i> , 25 (2016) 4796–4804. DOI: 10.1007/s11665-016-2378-8	1.331	3,75		
4.4	J.A. Calderón, J.P. Jiménez, A.A. Zuleta, Improvement of the erosion-corrosion resistance of magnesium by electroless Ni-P/Ni(OH)₂-ceramic nanoparticle composite coatings , <i>Surface & Coatings Technology</i> 304 (2016) 167–178. http://dx.doi.org/10.1016/j.surfcoat.2016.04.063	2.589	5,00		
4.5	Wei Shang, Xufeng Wang, Yuqing Wen, Chubin He, Yuanyuan Wang, Lingzhi Zhang, Zhe Zhang, Corrosion Resistance and Molecular Dynamics Behavior of the MAO/SAM Composite Coatings on Magnesium Alloy , <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, Vol. 52, No. 5, pp. 847–853. DOI: 10.1134/S207020511605021X	0.707	2,5		
4.6.	J.J. Giner-Sanz, E.M. Ortega, V. Pérez-Herranz, Application of a Montecarlo based quantitative Kramers-Kronig test for linearity assessment of EIS measurements , <i>Electrochimica Acta</i> 209 (2016) 254–268. http://dx.doi.org/10.1016/j.electacta.2016.04.131	4.798	5,00		
4.7	Liu, Q. , Xu, R.-D. , He, S.-W., Electrochemical properties of electroless copper plating solution , <i>Guocheng Gongcheng Xuebao/The Chinese Journal of Process Engineering</i> , Volume 16, Issue 1, 1 February 2016, Pages 125-131.	-	-		
4.8	Xiqing Zhao, Jun Xiong, Effectively Analysis of Concrete Bridge Deck Corrosion using Electrochemical Impedance Spectroscopy , <i>Int. J. Electrochem. Sci.</i> , 11 (2016) 5702 – 5709. doi: 10.20964/2016.07.70	1.469	3,75		
4.9	Abdel-Karim, R., Electrochemical fabrication of nanostructures (Book Chapter) , <i>Handbook of Nanoelectrochemistry: Electrochemical Synthesis Methods, Properties, and Characterization Techniques</i> , 1 January 2016, Pages 23-46, ISBN: 978-331915266-0; 978-331915265-3. DOI: 10.1007/978-3-319-15266-0_2	-	-		
4.10	Gadhari, P., Sahoo, P., Electroless nickel-phosphorus composite coatings: A review , <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , Volume 6, Issue 1, 1 January 2016, Pages 14-50. DOI: 10.4018/IJMMME.2016010102	-	-		
4.11	Ashutosh Sharma, Siddhartha Das, Karabi Das, Effect of different electrolytes on the microstructure, corrosion and whisker growth of pulse plated tin coatings , Available online 30 December 2016, <i>Microelectronic Engineering</i> , Volume 170, Pages 59–68. http://dx.doi.org/10.1016/j.mee.2016.12.029	1.806	3,75		
4.12	Murat Danışman, The corrosion behavior of nanocrystalline nickel based thin films, <i>Materials Chemistry and Physics</i> 171 (2016) 276-280. http://dx.doi.org/10.1016/j.matchemphys.2016.01.018	2.084	5,00		

	4.13	Yancheng Jiang, Yunhua Xu, Mei Wang, Hanchao Yao, Effects of pulse plating parameters on the microstructure and properties of high frequency pulse electrodeposited Ni-Co/ZrO₂ nanocomposite coatings , Published online: 26 August 2016, <i>J Mater Sci: Mater Electron</i> , volume 28, pages 610–616. DOI 10.1007/s10854-016-5565-3	2.019	5,00		
	4.14	M. Baghani, M. Aliofkhaezraei, A. Seyfoori, M. Askari, Mechanical Alloying and Characterization of Cu₇₀Ti₂₀Ni₁₀ and Cu₇₀Ti₂₀Ni₁₀-Alumina Nanocomposite , Published online: 03 October 2016, <i>Trans Indian Inst Met</i> DOI 10.1007/s12666-016-0966-9	0.533	1,25		
	4.15	Ye Lv, Shujiang Geng, Zhongning Shi, Effect of pH of the galvanic bath on electrodeposition of Cu-Mn₃O₄ composite coatings , Accepted Manuscript: 25 December 2016, <i>Materials Chemistry and Physics</i> . DOI: 10.1016/j.matchemphys.2016.12.052	2.084	5,00		
	Citat de 16 ori in 2015 in Reviste ISI			58,75		58,75
2015	4.1	Babak Bakhit, The influence of electrolyte composition on the properties of Ni-Co alloy coatings reinforced by SiC nano-particles , <i>Surface & Coatings Technology</i> 275 (2015) 324–331. doi:10.1016/j.surfcoat.2015.04.046	2.139	5		
	4.2	Zahra Sharifalhosseini, Mohammad H. Entezari, Enhancement of the corrosion protection of electroless, Ni-P coating by deposition of sonosynthesized ZnO nanoparticles , <i>Applied Surface Science</i> 351 (2015) 1060–1068. doi:10.1016/j.apsusc.2015.06.028	3.150	5		
	4.3	Z. Sharifalhosseini, M.H. Entezari, The new aspects of the anticorrosive ZnO@SiO₂ core-shell NPs in stabilizing of the electrolytic Ni bath and the Ni coating structure; electrochemical behavior of the resulting nano-composite coatings , <i>Journal of Colloid and Interface Science</i> 455 (2015) 110-116. doi:10.1016/j.jcis.2015.05.047	3.782	5		
	4.4	J.J. Giner-Sanz, E.M. Ortega, V. Pérez-Herranz, Total harmonic distortion based method for linearity assessment in electrochemical systems in the context of EIS , <i>Electrochimica Acta</i> 186 (2015) 598-612. doi:10.1016/j.electacta.2015.10.152	4.803	5		
	4.5	Fei Cai , Chuanhai Jiang , Zhongquan Zhang , Enzo Muttini , Peng Fu a Yuantao Zhao , Vincent Ji, Fabrication and characterization of Ni-Zr composite coatings using electrodepositing technique , <i>Journal of Alloys and Compounds</i> 635 (2015) 73–81. doi:10.1016/j.jallcom.2015.02.076	3.014	5		
	4.6.	T.H. Wan, M. Saccoccio, C. Chen, F. Ciucci, Influence of the Discretization Methods on the Distribution of Relaxation Times Deconvolution: Implementing Radial Basis Functions with DRTtools , <i>Electrochimica Acta</i> 184 (2015) 483-499. doi: 10.1016/j.electacta.2015.09.097	4.803	5		

4.7	S.A. Hosseini, S. Akbarinia, D. Mohammadyani, S.K. Sadrnezhad, Enhanced corrosion resistance of porous NiTi with plasma sprayed alumina coating , Corrosion Engineering Science and Technology 50 (2015) 595-600. doi: 10.1179/1743278215Y.0000000024	0.76	2,5		
4.8	A.K. Srivastava, K. Das, S.K. Toor, K.-I. Sugimoto, Corrosion Behavior of TiC and (Ti,W)C-Reinforced Fe-17Mn and Fe-17Mn-3Al Austenitic Steel Matrix In Situ Composites , Metallography, Microstructure, and Analysis 4 (2015) 371-380, doi: 10.1007/s13632-015-0213-5	-	-		
4.9	M. Ebrahim-Ghajari, S.R. Allahkaram, S. Mahdavi, Corrosion behaviour of electrodeposited nanocrystalline Co and Co/ZrO₂ nanocomposite coatings , Surface Engineering 31 (2015) 251-257. doi: 10.1179/1743294414Y.0000000355	1.06	3,75		
4.10	M.A. Farrokhzad, T.I. Khan, A study on hardness of nickel-based cermet coatings composed of α-Al₂O₃ and TiO₂ nanoparticles , Advanced Composite Materials 24 (2015) 141-159. doi: 10.1080/09243046.2014.882537	1.029	3,75		
4.11	O.S.I. Fayomi, A.P.I. Popoola, Anti-corrosion properties and structural characteristics of fabricated ternary coatings , Surface Engineering and Applied Electrochemistry 51 (2015) 76-84. DOI: 10.3103/S1068375515010068	0.42	1,25		
4.12	M. Furko, M. Lakatos-Varsányi, C. Balázs, Comparative corrosion study on silver coated metallic implants , Materials Science Forum 812 (2015) 327-332. DOI: 10.4028/www.scientific.net/MSF.812.327	0.28	1,25		
4.13	N.H. Nik Yusoff, O. Mamat, M.C. Isa, A review of electrodeposition techniques and variables for production of nickel-cobalt / alumina (Ni-Co/Al₂O₃) composite coatings , Defence S and T Technical Bulletin 8 (2015) 129-140, ISSN: 19856571.	0.47	1,25		
4.14	H. Zhou, N. Du, L. Zhu, J. Shang, Z. Qian, X. Shen, Characteristics investigation of Ni-diamond composite electrodeposition , Electrochimica Acta 151 (2015) 157-167. DOI: 10.1016/j.electacta.2014.10.122	4.803	5		
4.15	S. Mirhashemihaghighi, J. Wiatowska, V. Maurice, A. Seyeux, L.H. Klein, E. Härkönen, M. Ritala, P. Marcus, Electrochemical and surface analysis of the corrosion protection of copper by nanometer-thick alumina coatings prepared by atomic layer deposition , Journal of the Electrochemical Society 162 (2015) C377-C384. DOI: 10.1149/2.0081508jes	3.266	5		
4.16	B.I. Onyeachu, X. Peng, E.E. Oguzie, C.E. Ogukwe, Characterizing The Electrochemical Corrosion Behaviour Of A Ni-Al Composite Coating In 3.5% NaCl Solution , International Journal of Innovative Research & Studies 4 (2015) 8-24, ISSN 2319-9725.	3.917	5		
2014	Citat de 18 ori in 2014 in Reviste ISI		77,5		77,5
4.1	Caizhen Yao, Weiwei Chen, Tianping Zhu, See Leng Tay, Wei Gao, A study on corrosion behaviour of magnetron sputtered Zn-Mg coating deposited onto electro-galvanized steel . <i>Surface and Coatings Technology</i> , 2014, Volume 249, 25 June 2014, Pages 90-96.	2.59	5		

	doi:10.1016/j.surfcoat.2014.03.055				
4.2	K Vignarooban, P Pugazhendhi, C Tucker, D Gervasio, A.M. Kannan. Corrosion resistance of Hastelloys in molten metal-chloride heat-transfer fluids for concentrating solar power applications. <i>Solar Energy</i> , 2014, Volume 103, May 2014, Pages 62–69. doi:10.1016/j.solener.2014.02.002	4.53	5		
4.3	A Gupta, S Barkam, D Lahiri, R. Balasubramaniam, Kantesh Balani. Effect of Alumina Dispersion on Microstructural and Nanomechanical Properties of Pulse Electrodeposited Nickel–Alumina Composite Coatings. <i>Journal of Materials Science & Technology</i> . 2014, Volume 30, Issue 8, August 2014, Pages 808–813. doi:10.1016/j.jmst.2013.12.013	1.12	3,75		
4.4	J Liu, C Du, Z Tang, M Yang, X Zhang. In situ nickel/carbon coated lithium titanium oxide anode material with improved electrochemical properties. <i>Electrochimica Acta</i> , 2014, Volume 143, 10 October 2014, Pages 56–62. doi:10.1016/j.electacta.2014.08.017	4.89	5		
4.5	Yahia H. Ahmad, Jeerapan Tientong, Nandika D'Souza, Teresa D. Golden, Adel M.A. Mohamed. Salt water corrosion resistance of electrodeposited Ni-layered silicate nanocomposite coatings from Watts' type solution. <i>Surface and Coatings Technology</i> . 2014, Volume 242, 15 March 2014, Pages 170–176. doi:10.1016/j.surfcoat.2014.01.040	2.59	5		
4.6	H Zhou, N Du, L Zhu, J Shang, Z Qian, X Shen. Characteristics investigation of Ni-diamond composite electrodeposition. <i>Electrochimica Acta</i> , 2014, Volume 151, 1 January 2015, Pages 157–167. doi:10.1016/j.electacta.2014.10.122	4.89	5		
4.7	Yu-qing, Hui-min Meng, Wei Shang. Influence of preparation temperature on the electrochemical characteristics of the Dodecafluoroheptyl-propyl-trimethoxysilane SAMs on aluminum alloy 6061. <i>Surface and Coatings Technology</i> , 2014, Volume 258, 15 November 2014, Pages 574–579. doi:10.1016/j.surfcoat.2014.08.033	2.59	5		
4.8	Y Sun, I Flis-Kabulska, J Flis. Corrosion behaviour of sediment electro-codeposited Ni–Al₂O₃ composite coatings. <i>Materials Chemistry and Physics</i> , 2014, Volume 145, Issue 3, 16 June 2014, Pages 476–483. doi:10.1016/j.matchemphys.2014.02.051	2.52	5		
4.9	JJ Huang, MJ Wu, CF Hsu, JY Chen. Liquid phase deposition of titanium oxide film on stainless steel substrate. <i>Surface and Coatings Technology</i> , 2014, Volume 259, Part B, 25 November 2014, Pages 346–351. doi:10.1016/j.surfcoat.2014.02.016	2.59	5		
4.10	MA Farrokhzad, GC Saha, TI Khan. Three-body wear performance of co-electrodeposited cermet coatings. <i>Wear</i> , 2014, Volume 313, Issues 1–2, 15 May 2014, Pages 34–42. doi:10.1016/j.wear.2014.02.013	2.48	5		
4.11	M Starowicz, P Starowicz, B Stypuła. Alumina-based nanoparticles obtained by anodic dissolution of Al in electrolytes with alcohol solvents. <i>Journal of Solid State Electrochemistry</i> , 2014, November 2014, Volume 18, Issue 11, pp 3065-3071. DOI: 10.1007/s10008-014-2447-6	2.57	5		

4.12	B Bakhit, A Akbari, F Nasirpouri, MG Hosseini. Corrosion resistance of Ni–Co alloy and Ni–Co/SiC nanocomposite coatings electrodeposited by sediment codeposition technique. <i>Applied Surface Science</i> , 2014, Volume 307, 15 July 2014, Pages 351–359. doi:10.1016/j.apsusc.2014.04.037	3.04	5		
4.13	B Bakhit, A Akbari. A comparative study of the effects of saccharin and β-SiC nano-particles on the properties of Ni and Ni-Co alloy coatings. <i>Surface and Coatings Technology</i> , 2014, Volume 253, 25 August 2014, Pages 76–82. doi:10.1016/j.surfcoat.2014.05.016	2.59	5		
4.14	MA Farrokhzad, TI Khan. A study on hardness of nickel-based cermet coatings composed of α-Al₂O₃ and TiO₂ nanoparticles. <i>Advanced Composite Materials</i> , Accepted: 9 Jan 2014, Published online: 05 Feb 2014. DOI:10.1080/09243046.2014.882537	1.53	3,75		
4.15	MA Farrokhzad, TI Khan. High temperature oxidation behaviour of nanostructured cermet coatings in a mixed CO₂–O₂ environment. <i>IOP Conference Series: Materials Science and Engineering</i> . 2014 IOP Conf. Ser.: Mater. Sci. Eng. 60 012011. doi:10.1088/1757-899X/60/1/012011	-	-		
4.16	M Ebrahim-Ghajari, SR Allahkaram, S. Mahdavi. Corrosion behaviour of electrodeposited nanocrystalline Co and Co/ZrO₂ nanocomposite coatings. <i>Surface Engineering</i> , 2014, vol 31, issue 3, pages 251-257. DOI: http://dx.doi.org/10.1179/1743294414Y.0000000355	1.33	3,75		
4.17	Haifei Zhou, Nan Du, Liwei Zhu, Jianku Shang, Zhouhai Qian, Xiaoming Shen. Characteristics investigation of Ni-diamond composite electrodeposition. <i>Electrochimica Acta</i> , 2014, Volume 151, 1 January 2015, Pages 157–167. doi:10.1016/j.electacta.2014.10.122 http://dx.doi.org/10.1016/j.electacta.2014.10.122	4.89	5		
4.18	Y Ullal, A Chitharanjan Hegde. Multilayer Zn-Ni-Al₂O₃ coatings for corrosion protection. <i>International Journal of Materials Engineering Innovation</i> , 2014, Volume 5, Number 3/2014, pages 247-260. Doi: 10.1504/IJMATEI.2014.064282	0.42	1,25		
2013	Citat de 7 ori in 2013 in Reviste ISI		23,75		23,75
4.1	M. Arab JUNEGHANI, M. FARZAM, H. ZOHDIRAD, Wear and corrosion resistance and electroplating characteristics of electrodeposited Cr–SiC nano-composite coatings. <i>Transactions of Nonferrous Metals Society of China</i> . Volume 23, Issue 7, July 2013, Pages 1993–2001.	1.36	3,75		
4.2	Babak Bakhit, Alireza Akbari. Electrodeposition and characterization of Ni–Co/SiC nanocomposite coatings using sediment co–deposition technique. <i>Journal of Alloys and Compounds</i> . 560, pp.92-104, 2013.	2.81	5		

	4.3	Gobinda Gyawali, Rajesh Adhikari, Hyung Suk Kim, Hong-Baek Cho, and Soo Wahn Lee. Effect of h-BN Nanosheets Codeposition on Electrochemical Corrosion Behavior of Electrodeposited Nickel Composite Coatings <i>Corrosion Science and Technology</i> . <i>ECS Electrochemistry Letters</i> . 2013 2(3): C7-C10. doi:10.1149/2.003303eel	1.44	3,75		
	4.4	M.A. Farrokhzad, G.C. Saha, T.I. Khan. Wear performance of co-electrodeposited cermet coatings . <i>Surface and Coatings Technology</i> . Volume 235, 25 November 2013, Pages 75–85.	2.21	5		
	4.5	Gobinda Gyawali, Sung Hun Cho, Soo Wahn Lee. Electrodeposition and characterization of Ni-TiB₂ composite coatings . <i>Metals and Materials International</i> (2013). January 2013, Volume 19, Issue 1, pp 113-118.	1.16	3,75		
	4.6	Samide, Adriana; Tutunaru, Bogdan. Sn/Al₂O₃ Composite as Protective Carbon Steel Coating . <i>Advanced Science Letters</i> , Volume 19, Number 1, January 2013 , pp. 224-227(4). DOI: http://dx.doi.org/10.1166/asl.2013.4680	0.39	1,25		
	4.7	Tian, Y.-F., Li, X.-H., Ao, Z.-H., Xue, Y.-J. Corrosion resistance of Ni-ZrO₂ nanocomposite coating prepared by pulse electrodeposition with rotating cathode in an ultrasonic field . 2013 <i>Applied Mechanics and Materials</i> , 2013, 278-280 , pp. 422-425	0.09	1,25		
2012	Citat de 14 ori in 2012 in Reviste ISI			52,5		52,5
	4.1	Magda, L.V. Elektrokémiai eljárások a nanotechnológiai kutatásokban. Electrochemical processes in nanotechnology research . <i>Korrozios Figyelo</i> , 2012, 52 (3) , pp. 60-64.	0.42	1,25		
	4.2	Mousavi, A.B., Bagheri, P., Peikari, M., Rashed, G.-R. Preparation and characterization of Ni-Cr nanocomposite coatings containing TiO₂ nanoparticles for corrosion protection . <i>Anti-Corrosion Methods and Materials</i> , 2012, 59 (6) , pp. 279-284.	0.52	2,5		
	4.3	Li, X., Luan, B.L. Discovery of Al₂O₃ particles incorporation mechanism in plasma electrolytic oxidation of AM60B magnesium alloy . <i>Materials Letters</i> , 2012, 86 , pp. 88-91.	2.32	5		
	4.4	Cârâc, G., Ispas, A. Effect of nano-Al₂O₃ particles and of the Co concentration on the corrosion behavior of electrodeposited Ni-Co alloys . <i>Journal of Solid State Electrochemistry</i> , 2012, 16 (11) , pp. 3457-3465.	1.98	3,75		
	4.5	Sabri, M., Sarabi, A.A., Naseri Kondelo, S.M. The effect of sodium dodecyl sulfate surfactant on the electrodeposition of Ni-alumina composite coatings . <i>Materials Chemistry and Physics</i> 136 (2-3), pp. 566-569.	2.24	5		
	4.6	Sen, R., Das, S., Das, K. Synthesis and properties of pulse electrodeposited Ni-CeO₂ Nanocomposite . <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43 (10) , pp. 3809-3823.	1.62	3,75		
	4.7	Gyawali, G., Cho, S.H., Woo, D.J., Lee, S.W. Pulse electrodeposition and characterisation of Ni-SiC composite coatings in presence of ultrasound . <i>Transactions of the Institute of Metal Finishing</i> 2012, 90 (5), pp. 274-280.	0.67	2,5		

4.8	Zhang, Y., Tian, M., Liu, L., Peng, X. Preparation of Ni-Cr nanocomposite coatings by D. C. and pulsed D. C. electroplating technique. <i>Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research</i> , 2012, 26 (4) , pp. 377-382.	0.26	1,25		
4.9	Bakhit, B., Akbari, A. Effect of particle size and co-deposition technique on hardness and corrosion properties of Ni-Co/SiC composite coatings. <i>Surface and Coatings Technology</i> , 2012, 206 (23) , pp.4964-4975.	2.36	5		
4.10	Li, J.M., Yin, J.Y., Cai, C., Zhang, Z., Li, J.F., Yang, J.F., Xue, M.Z., Liu, Y.G. Corrosion behavior of nanostructured Ni-Si 3N 4 composite films: A study of electrochemical impedance spectroscopy. <i>Materials and Corrosion</i> , 2012, 63 (7) , pp. 620-626.	1.208	3,75		
4.11	Corni, I., Chater, R.J., Boccaccini, A.R., Ryan, M.P. Electro co-deposition of Ni-Al 2O 3 composite coatings. <i>Journal of Materials Science</i> , 2012, 47 (14) , pp. 5361- 5373.	2.24	5		
4.12	García-Lecina, E., García-Urrutia, I., Díez, J.A., Morgiel, J., Indyka, P. A comparative study of the effect of mechanical and ultrasound agitation on the properties of electrodeposited Ni/Al 2O3 nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2012, 206 (11-12) , pp. 2998-3005.	2.36	5		
4.13	Rusu, D.E., Ispas, A., Bund, A., Gheorghies, C., Cârâ, G. Corrosion tests of nickel coatings prepared from a Watts-type bath. <i>Journal of Coatings Technology Research</i> , 2012, 9 (1) , pp. 87-95.	1.28	3,75		
4.14	Marzieh Sabri, Ali Asghar Sarabi, Seyedeh Maryam Naseri Kondelo. The effect of sodium dodecyl sulfate surfactant on the electrodeposition of Ni-alumina composite coatings. <i>Materials Chemistry and Physics</i> 136 (2012) 566-569.	2.24	5		
2011	Citat de 14 ori in 2011 in Reviste ISI		42,5		42,5
4.1	Sancakoglu O, Culha O, Toparli M, et al.; Co-deposited Zn-submicron sized Al₂O₃ composite coatings: Production, characterization and micromechanical properties; <i>Materials & Design</i> , Volume: 32, Issue: 7, Pages: 4054-4061, Published: 2011	3.11	5,00		
4.2	Xu J, Zhuo CZ, Han DZ, et al.; Effect of nano-Al₂O₃ on erosion-corrosion behaviour of composite alloying layer under two phase flow conditions; <i>Corrosion Engineering Science and Technology</i> , Volume: 46, Issue: 3, Pages: 285-295, Published: May 2011	0.494	1,25		
4.3	Dietrich D, Scharf I, Nickel D, et al.; Ultrasound technique as a tool for high-rate incorporation of Al₂O₃ in NiCo layers; <i>Journal of Solid State Electrochemistry</i> , Volume: 15, Issue: 5, Pages: 1041-1048, Published: May 2011	2.234	5,00		
4.4	Wang P, Cheng YL, Zhang Z; A study on the electrocodeposition processes and properties of Ni-SiC nanocomposite coatings; <i>Journal of Coatings Technology and Research</i> , Volume: 8, Issue: 3, Pages: 409-417, Published: May 2011	1.280	3,75		
4.5	Aruna ST, Selvi VE, Grips VKW, et al.; Corrosion- and wear-resistant properties of Ni-Al₂O₃ composite coatings containing various forms of alumina; <i>Journal of Applied Electrochemistry</i> , Volume: 41, Issue: 4, Pages: 461-468, Published: Apr 2011	2.147	5,00		
4.6	Lajevardi SA, Shahrabi T, Hasannaemi V; Synthesis and mechanical properties of nickel-titania composite coatings; <i>Materials and Corrosion-Werkstoffe Und Korrosion</i> , Volume: 62, Issue: 1, Pages: 29-34, Published:	1.208	3,75		

	Jan 2011				
4.7	Huang, Z., Xiong, D., Li, J., Liu, M.; Friction and wear characteristics of electrodeposited Ni-MoS₂/Al₂O₃ composite coating ; (2011) <i>Advanced Materials Research</i> 189-193, pp. 173-176	0.22	1,25		
4.8	D. E. Rusu, A. Ispas, A. Bund, C. Gheorghies and G. Cârâc; Corrosion tests of nickel coatings prepared from a Watts-type bath. 2011 , <i>Journal of Coatings Technology and Research</i> . DOI: 10.1007/s11998-011-9343-0. Published on line 12 July 2011.	1.280	3,75		
4.9	Lapinski, J., Pletcher, D., Walsh, F.C.; The electrodeposition of nickel-graphite composite layers . <i>Surface and Coatings Technology</i> (2011) 205 (21-22), pp. 5205-5209.	2.19	5,00		
4.10	Sharma Ankita and Ajay K. Singh. Corrosion and wear resistance study of Ni-P and Ni-P-PTFE nanocomposite coatings . <i>Central European Journal of Engineering</i> . Volume 1, Number 3, 234-243, DOI: 10.2478/s13531-011-0023-8.	-	-		
4.11	Mahmood Aliofkhaezaei. Size Effect in Mechanical Properties of Nanostructured Coatings . <i>Nanocoatings. Technology & Engineering, Engineering Materials</i> , 2011, 149-184, DOI: 10.1007/978-3-642-17966-2_5.	-	-		
4.12	Wang, P., Cheng, Y., Zhang, Z. Corrosion behavior of the Ni-SiC nanocomposite coatings . <i>Journal of the Chinese Society of Corrosion and Protection</i> (2011), 31 (4), pp. 371-376.	0.22	1,25		
4.13	Chang, L.M., Liu, J.H., Zhang, R.J. Corrosion behaviour of electrodeposited Ni/Al₂O₃ composite coating covered with a NaCl salt film at 800c . <i>Materials and Corrosion</i> (2011) 62 (10), pp. 920-925.	1.208	3,75		
4.14	Wang, P., Cheng, Y.-L., Zhang, Z. A study on the electrocodeposition processes and properties of Ni-SiC nanocomposite coatings . <i>Journal of Coatings Technology Research</i> (2011), 8 (3), pp. 409-417.	1.280	3,75		
2010	Citat de 11 ori in 2010 in Reviste ISI		46.25		46.25
4.1	Zhong X., Li Q., Hu J., Zhang S., Chen B., Xu S., Luo F.; A novel approach to heal the sol-gel coating system on magnesium alloy for corrosion protection ; <i>Electrochimica Acta</i> 55 (7), pp. 2424-2429.	4.08	5,00		
4.2	Samide A., Maxut A., Cioatera N., Preda M.; Study on the corrosion resistance of Sn/Zr_{0.74}Y_{0.16}Ti_{0.10}O₂-δ composite coatings electrodeposited on carbon steel in acidic medium ; <i>Revista de Chimie</i> 2010, 61 (5), pp. 439-442.	0.538	2,50		
4.3	Wang Y., Tian W., Zhang T., Yang Y.; Electrochemical corrosion behavior of plasma sprayed Al₂O₃-13% TiO₂ coatings in aqueous hydrochloric acid solution ; <i>Materials and Corrosion</i> , 2010, 61 (7), pp. 611-617.	1.208	3,75		
4.4	Chang B.-Y., Park S.-M.; Electrochemical impedance spectroscopy ; <i>Annual Review of Analytical Chemistry</i> , 2010, 3 (1), pp. 207-229.	11.63	7,50		
4.5	Baghery P., Farzam M., Mousavi A.B., Hosseini M.; Ni-TiO₂ nanocomposite coating with high resistance to corrosion and Wear ; <i>Surface and Coatings Technology</i> 2010, 204 (23), pp. 3804-3810.	2.19	5,00		
4.6	Saha R.K., Khan T.I.; Effect of applied current on the electrodeposited Ni-Al₂O₃ composite Coatings . 2010, <i>Surface and Coatings Technology</i> 205 (3), pp. 890- 895.	2.19	5,00		
4.7	Du B., Wang B.; Electrochemical corrosion behavior of rare earth modified Ni-P-PTFE composite coating ; <i>Xiyou Jinshu/Chinese Journal of Rare Metals</i> , 2010, 34 (6), pp. 860-864.	0.806	2,50		
4.8	Xu Q.-Y., He W.-J.; Wear resistance of amorphous Ni-P-ZrO₂ composite coating ; <i>Cailiao Gongcheng/Journal of Materials Engineering</i> , 2010, (12), pp. 61-65.	0.10	1,25		
4.9	Low C.T.J., Bello J.O., Wharton J.A., Wood R.J.K., Stokes K.R., Walsh F.C.; Electrodeposition and	2.19	5,00		

		tribological characterisation of nickel nanocomposite coatings reinforced with nanotubular titanates; 2010, <i>Surface and Coatings Technology</i> 205 (7), pp. 1856- 1863.				
	4.10	Aruna S.T., William Grips V.K., Rajam K.S.; Synthesis and characterization of Ni-Al₂O₃ composite coatings containing different forms of alumina ; <i>Journal of Applied Electrochemistry</i> 2010, 40 (12), pp. 2161-2169	2.147	5,00		
	4.11	Ping Wang, Ying-liang Cheng and Zhao Zhang; A study on the electrocodeposition processes and properties of Ni-SiC nanocomposite coating ; <i>Journal of Coatings Technology and Research</i> , Online First™, 3 December 2010, J. Coat. Technol. Res. DOI 10.1007/s11998-010-9310-1.	1.280	3,75		
	Citat de 3 ori in 2009 in Reviste ISI			7,50		7,50
2009	4.1	Guzmán J.E.H., Gómez Botero M.A., Calderón J.A.; Electrochemical deposition of Ni-SiC composite coatings and evaluation of anticorrosive behavior ; <i>Revista Facultad de Ingenieria</i> (49), pp. 70-80 (2009).	0.16	1,25		
	4.2	Huang Z.-J., Xiong D.-S.; Dependence of corrosion behavior of Ni-MoS₂/Al₂O₃ coatings in relation to the Al₂O₃ Rrtio in MoS₂/Al₂O₃ particles ; <i>Surface Review and Letters</i> 16 (3), pp. 455-462 (2009).	0.367	1,25		
	4.3	Xu J., Zhuo C., Han D., Tao J., Liu L., Jiang S.; Erosion-corrosion behavior of nano-particle-reinforced Ni matrix composite alloying layer by duplex surface treatment in aqueous slurry environment ; <i>Corrosion Science</i> 51 (5), pp. 1055-1068 (2009).	3.68	5,00		
	Citat 1 data in 2008 in Reviste ISI			3,75		3,75
2008	4.1	Gurrappa I., Binder L., Electrodeposition of nanostructured coatings and their characterization - A review , <i>Science and Technology of Advanced Materials</i> 9 (4), art. no. 043001 (2008).	1.55	3,75		
TOTAL CITĂRI 2008 – 2016 Article LB 4				99		

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 5	Articolul: Benea L., Bonora P.L., Borello A., Martelli S., Wenger F., Ponthiaux P., Galland J., Preparation and investigation of nanostructured SiC-nickel layers by electrodeposition, (2002) <i>Solid State Ionics</i>, 151 (1-4), pp. 89-95. I.F.= 2.380 doi:10.1016/S0167-2738(02)00586-6.		S_k / n_i Punctaj pe citare	7	213,74
2007 TOP Cited Articles, Physics and Astronomy > Solid State Ionics					

<http://top25.sciencedirect.com/subject/physics-and-astronomy/21/journal/solid-state-ionics/01672738/archive/11/>

2016	Citat de 9 ori in 2016 in Reviste ISI			16,4289		16,4289
	5.1	Mohammad Mirak, Morteza Alizadeh, Mohammad Ghaffari, Mohammad Najafi Ashtiani, Characterization, mechanical properties and corrosion resistance of biocompatible Zn-HA/TiO₂ nanocomposite coatings , <i>Journal of the Mechanical Behavior of Biomedical Materials</i> 62 (2016) 282-290. http://dx.doi.org/10.1016/j.jmbbm.2016.05.016	3.110	2,8572		
	5.2	Kongfa Chen, Na Ai, San Ping Jiang, Origin of low frequency inductive impedance loops of O₂ reduction reaction of solid oxide fuel cells , <i>Solid State Ionics</i> 291 (2016) 33–41. http://dx.doi.org/10.1016/j.ssi.2016.04.021	2.354	2,8572		
	5.3	Jibo Jiang, Chenqi Feng, Wei Qian, Libin Yu, Fengying Ye, Qingdong Zhong, Sheng Han, Preparation and Investigation of Electrodeposited Ni–nano-Cr₂O₃ Composite Coatings , <i>Surface Review and Letters</i> 23, 1550111 (2016), 11 pages. http://dx.doi.org/10.1142/S0218625X15501115	0.491	0,7143		
	5.4	Murat Ates, A review on conducting polymer coatings for corrosion protection , <i>Journal of Adhesion Science and Technology</i> , Volume 30, 2016 - Issue 14, pp. 1510-1536. http://dx.doi.org/10.1080/01694243.2016.1150662	1.073	2,1429		
	5.5	M. Zamani, A. Amadeh, S. M. Lari Baghal, Effect of Co content on electrodeposition mechanism and mechanical properties of electrodeposited Ni–Co alloy , <i>Trans. Nonferrous Met. Soc. China</i> 26(2016) 484–491. DOI: 10.1016/S1003-6326(16)64136-5	1.342	2,1429		
	5.6	Eydar Tey, Mansor Hashim, Ismayadi Ismail, Characterization of Cu–Al₂O₃ and Ni–Al₂O₃ Nanocomposites Electrodeposited on Copper Substrate , <i>Materials Science Forum</i> , Volume 846, Chapter 5: Nanoscience and Nanotechnologies, 2016, pp. 471-478. DOI: 10.4028/www.scientific.net/MSF.846.471	-	-		
	5.7	Injeti Gurrappa. Leo Binder, Electrodeposition of nanostructured coatings and their characterization—A review , <i>Science and Technology of Advanced Materials</i> 9:4, 043001, 11 pp. DOI: 10.1088/1468-6996/9/4/043001	3.798	2,8572		
	5.8	Ye Lv, Shujiang Geng, Zhongning Shi, Effect of pH of the galvanic bath on electrodeposition of Cu–Mn₃O₄ composite coatings , <i>Materials Chemistry and Physics</i> , Accepted Date: 25 December 2016. doi: 10.1016/j.matchemphys.2016.12.052	2.084	2,8572		
	5.9	Maharana, Himanshu Sekhar (2016), Surface Modification of Copper by Electro-codeposition . PhD thesis, Department of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela. http://ethesis.nitrkl.ac.in/8400/1/2016-PhD-HSMaharana-511MM608.pdf	-	-		
2015	Citat de 7 ori in 2015 in Reviste ISI			16,39		16,39
5.1	C.I. Hsu, K.H. Hou, M.D. Ger, G.L. Wang, The Effect of Incorporated Self-Lubricated BN(h) Particles on the Tribological Properties of Ni–P/BN(h) Composite Coatings , <i>Applied Surface Science</i> 357, Part B (2015)	3.150	2,85			

		1727–1735. doi:10.1016/j.apsusc.2015.09.207			
5.2	M. Mirak, M. Alizadeh, E. Salahineja, R. Amini, Zn-HA-TiO₂ nanocomposite coatings electrodeposited on a NiTi shape memory alloy , <i>Surface and Interface Analysis</i> 47 (2015) 176-183. DOI: 10.1002/sia.5678	1.018	2,14		
5.3	Y. Zhou, Q.Y. Xiong, J.P. Xiong, The study of a phosphate conversion coating on magnesium alloy AZ91D: I. formation, morphology and composition , <i>International Journal of Electrochemical Science</i> 10 (2015) 2812-2824, ISSN: 14523981.	1.692	2,14		
5.4	Y. Zhou, Y. Zuoz, The passivation behavior of mild steel in CO₂ saturated solution containing nitrite anions , <i>Journal of the Electrochemical Society</i> 162 (2015) C47-C54. DOI: 10.1149/2.0721501jes	3.266	2,85		
5.5	H. Zhou, N. Du, L. Zhu, J. Shang, Z. Qian, X. Shen, Characteristics investigation of Ni-diamond composite electrodeposition , <i>Electrochimica Acta</i> 151 (2015) 157-167. DOI: 10.1016/j.electacta.2014.10.122	4.803	2,85		
5.6	S. Mohajeri, A. Dolati, M. Ghorbani, The influence of pulse plating parameters on the electrocodeposition of Ni-TiO₂ nanocomposite single layer and multilayer structures on copper substrates , <i>Surface and Coatings Technology</i> 262 (2015) 173-183. DOI: 10.1016/j.surfcoat.2014.12.042	2.139	2,85		
5.7	ZHU Xu-bei, CAI Chao, Z Guo-qu, Z Zhao, Electrodeposition and corrosion behavior of nanostructured Ni-TiN composite films-TNMSC , <i>The Chinese Journal of Nonferrous Metals</i> 21 (10) (2015).	0.45	0,71		
2014	Citat de 12 ori in 2014 in Reviste ISI		26,36		26,36
5.1	S. Mohajeri, A. Dolati, M. Ghorbani. The influence of pulse plating parameters on the 7.1. electrocodeposition of Ni-TiO₂ nanocomposite single layer and multilayer structures on copper substrates . <i>Surface and Coatings Technology</i> , Available online 24 December 2014, vol 262, pages 173-183. doi:10.1016/j.surfcoat.2014.12.042	2.59	2,85		
5.2	JA Calderón, JE Henao, MA Gómez. Erosion–corrosion resistance of Ni composite coatings with embedded SiC nanoparticles . <i>Electrochimica Acta</i> , Volume 124, 1 April 2014, Pages 190–198. doi:10.1016/j.electacta.2013.08.185	4.89	2,85		
5.3	A Gupta, S Barkam, D Lahiri, R. Balasubramaniam, Kantesh Balani. Effect of Alumina Dispersion on Microstructural and Nanomechanical Properties of Pulse Electrodeposited Nickel–Alumina Composite Coatings . <i>Journal of Materials Science & Technology</i> . 2014, Volume 30, Issue 8, August 2014, Pages 808–813. doi:10.1016/j.jmst.2013.12.013	1.12	2,14		
5.4	HT Wang, HH Sheu, MD Ger, KH Hou. The effect of heat treatment on the microstructure and mechanical properties of electrodeposited nanocrystalline Ni–W/diamond composite coatings . <i>Surface and Coatings Technology</i> , 2014, Volume 259, Part B, 25 November 2014, Pages 268–273. doi:10.1016/j.surfcoat.2014.03.064	2.59	2,85		
5.5	SY Chiu, ST Chung, CY Lin, WT Tsai. Electrodeposition of Ni–Al₂O₃ composite coatings employing supercritical CO₂ baths . <i>Surface and Coatings Technology</i> , 2014, Volume 247, 25 May 2014, Pages 68–73 doi:10.1016/j.surfcoat.2014.03.020	2.59	2,85		

5.6	Y Zhou, Y Zuo. The Passivation Behavior of Mild Steel in CO₂ Saturated Solution Containing Nitrite Anions. <i>Journal of The Electrochemical Society</i> , 2015, volume 162, issue 1, C47-C54. doi: 10.1149/2.0721501jes	3.12	2,85		
5.7	Y Wang, Y Ju, RA Shakoor, R. Kahraman; W. Gao. Nanocomposite Ni-TiO₂ coatings produced by pulsed electroplating. <i>Materials Research Innovations</i> , 2014, Volume 18, Issue S4 (July 2014), pp. S4-1102-S4-1106. http://dx.doi.org/10.1179/1432891714Z.000000000883	0.93	1,42		
5.8	M Mirak, M Alizadeh, E Salahinejad, and Rasool Amini. Zn-HA-TiO₂ nanocomposite coatings electrodeposited on a NiTi shape memory alloy. <i>Surface and Interface Analysis</i> , 2014, Article first published online: 2 DEC 2014. DOI: 10.1002/sia.5678	1.20	2,14		
5.9	Doolabi, M.S. ; Sadmezhaad, S.K. ; Doolabi, D.S. Electroplating and characterization of Cr-Al₂O₃ nanocomposite film from a trivalent chromium bath. <i>ANTICORROSION METHODS AND MATERIALS</i> ; 61, 4; 205-214. ISSN: 0003-5599.	0.52	1,42		
5.10	P Narasimman. PhD Thesis: Studies on the properties of nickel nano SiC and nickel micro SiC electro composites with modeling and optimization. Issue Date: 11-Mar-2014, Anna University, Faculty of Mechanical Engineering. http://hdl.handle.net/10603/17395	-	-		
5.11	Mohsen ADABI, Ahmad Ali AMADEH. Electrodeposition mechanism of Ni-Al composite coating. <i>Trans. Nonferrous Met. Soc. China</i> , 24(2014) 3189-3195. DOI: 10.1016/S1003-6326(14)63459-2	1.68	2,14		
5.12	Haifei Zhou, Nan Du, Liwei Zhu, Jianku Shang, Zhouhai Qian, Xiaoming Shen. Characteristics investigation of Ni-diamond composite electrodeposition. <i>Electrochimica Acta</i> , 2014, Volume 151, 1 January 2015, Pages 157-167. doi:10.1016/j.electacta.2014.10.122. http://dx.doi.org/doi:10.1016/j.electacta.2014.10.122	4.89	2,85		
2013	Citat de 11 ori in 2013 in Reviste ISI		24,23		24,23
5.1	A. Lanzutti, M. Lekka, E. Marin, L. Fedrizzi. Tribological Behavior of Thermal Spray Coatings, Deposited by HVOF and APS Techniques, and Composite Electrodeposits Ni/SiC at Both Room Temperature and 300 °C. Proceeding Volume SERBIATRIB '13 - 13th International Conference on Tribology, Kragujevac, Serbia, 15 – 17 May 2013, pp. 46-54.	-	-		
5.2	Majid Ahmadi, Maxime J.F. Guinel. Synthesis, Characterization and Understanding of the Mechanisms of Electroplating of Nanocrystalline-Amorphous Nickel-Tungsten Alloys using in-situ Electrochemical Impedance Spectroscopy. <i>Journal of Alloys and Compounds</i> , Volume 574, 15 October 2013, Pages 196-205.	2.81	2,85		
5.3	Babak Bakhit, Alireza Akbari. Electrodeposition and characterization of Ni-Co/SiC nanocomposite coatings using sediment co-deposition technique. <i>Journal of Alloys and Compounds</i> . 560, pp. 92-104, 2013.	2.81	2,85		
5.4	A. Gomes, A. Videira, O. C. Monteiro, C. D. Nunes, M. L. Carvalho, A. B. Lopes. Pulsed current electrodeposition of Zn-Ag₂S/TiO₂ nanocomposite films as potential photoelectrodes. <i>Journal of Solid State Electrochemistry</i> , August 2013, Volume 17, Issue 8, pp 2349-2359.	2.21	2,85		

5.5	Serkan Özkan, Gökçe Hapçı, Gökhan Orhan, Kürşat Kazmanlı. Electrodeposited Ni/SiC nanocomposite coatings and evaluation of wear and corrosion properties. Surface and Coatings Technology, Volume 232, 15 October 2013, Pages 734–741.	2.21	2,85		
5.6	A. Lanzutti, M. Lekka, E. Marin, L. Fedrizzi. Tribological Behavior of Thermal Spray Coatings, Deposited by HVOF and APS Techniques, and Composite Electrodeposits Ni/SiC at Both Room Temperature and 300 °C. Tribology in Industry, Vol. 35, No. 2, pp. 113-122, 2013.	1.15	2,14		
5.7	A. Calderón, J.E. Henao, M.A. Gómez. Erosion-Corrosion Resistance of Ni Composite Coatings with Embedded SiC Nanoparticles. Electrochimica Acta, In Press, Corrected Proof, Available online 16 September 2013. http://dx.doi.org/10.1016/j.electacta.2013.08.185	4.08	2,85		
5.8	Gobinda Gyawali, Sung Hun Cho, Soo Wahn Lee. Electrodeposition and characterization of Ni-TiB₂ composite coatings. Metals and Materials International (2013). January 2013, Volume 19, Issue 1, pp 113-118.	1.16	2,14		
5.9	ZHOU Hai-fei, ZHU Li-wie, QIAN Zhou-hai, DU Nan, TIAN Gang – qiang. Effect of temperature on electrochemical behaviors during Ni-diamond electrodeposition. The Chinese Journal of Nonferrous Metals, 23 (8), August 2013-12-24, pp. 2229-2234. DOI:1004-0609(2013)08-2229-06.	0.45	0,71		
5.10	Sudhakar, R., Venkatesha, V.T. Electrodeposition of Zn-Ni multiwalled carbon nanotube nanocomposites and their properties. Industrial and Engineering Chemistry Research, 2013, 52 (19) , pp. 6422-6429. Ind. Eng. Chem. Res., 2013, 52 (19), pp 6422–6429 DOI: 10.1021/ie303078z Publication Date (Web): April 18, 2013.	2.55	2,85		
5.11	Aghaie, E., Najafi, A., Maleki-Ghaleh, H., Mohebi, H. Effect of SiC concentration in electrolyte on Ni-SiC composite coating properties. 2013 Surface Engineering 29 (3), pp. 177-182.	1.57	2,14		
2012	Citat de 11 ori in 2012 in Reviste ISI		22,79		22,79
5.1	Wu, Z., Liu, L., Shen, B., Zhong, C., Hu, W. Effect of α-Al₂O₃ coatings on the mechanical properties of Ni/SiC composites prepared by electrodeposition. Materials Science and Engineering A, 2012, 556 , pp. 767-774.	2.28	2,85		
5.2	Ranganatha, S., Venkatesha, T.V., Vathsala, K., kumar, M.K.P. Electrochemical studies on Zn/nano-CeO₂ electrodeposited composite coatings. Surface and Coatings Technology, 2012, 208, pp. 64-72.	2.36	2,85		
5.3	Narasimman, P., Pushpavanam, M., Periasamy, V.M. Wear and scratch resistance characteristics of electrodeposited nickel-nano and micro SiC composites. Wear, 2012, 292-293 , pp. 197-206.	1.64	2,14		
5.4	Bakhit, B., Akbari, A. Effect of particle size and co-deposition technique on hardness and corrosion properties of Ni-Co/SiC composite coatings. Surface and Coatings Technology, 2012, 206 (23) , pp. 4964-4975.	2.36	2,85		
5.5	Bostani, B., Arghavani, R., Parvini-Ahmadi, N. Study on particle distribution, microstructure and corrosion behavior of Ni-Al composite coatings. Materials and Corrosion, 2012, 63 (4) , pp. 323-327.	0.43	0,71		
5.6	He, X., Wang, Y., Sun, X., Huang, L. Preparation and investigation of ni-diamond composite coatings by electrodeposition. Nanoscience and Nanotechnology Letters, 2012, 4 (1), pp. 48-52.	0.89	1,42		
5.7	Wu, Z., Shen, B., Liu, L. Effect of α-Al₂O₃ coatings on the interface of Ni/SiC composites prepared by electrodeposition. Surface and Coatings Technology, 2012, 206 (14), pp. 3173-3178.	2.36	2,85		
5.8	Sohrabi, A., Dolati, A., Ghorbani, M., Barati, M.R., Stroeve, P. Elucidation of the structural texture of	4.78	2,85		

		electrodeposited Ni/SiC nanocomposite coatings. Journal of Physical Chemistry C, 2012, 116 (6) , pp. 4105-4118.				
	5.9	Gomes, A., Almeida, I., Frade, T., Tavares, A.C. Stability of Zn-Ni-TiO₂ and Zn-TiO₂ nanocomposite coatings in near-neutral sulphate solutions. Journal of Nanoparticle Research 14 (2), art. no. 692.	2.33	2,85		
	5.10	Abouzar Sohrabi and Abolghasem Dolati. A Study on the Mechanism of Electrodeposition of Ni/SiC Composite Coatings using Impedance Technique. ECS Transactions, doi: 10.1149/1.4718390 ECS Trans. 2012 volume 41, issue 44, 47-57.	0.39	0,71		
	5.11	R Elansezhian, B Ramamoorthy, PK Nair. Study on characterisation and influence of surfactants on adhesion and coating thickness of electroless Ni-P deposits. International Journal of Microstructure and Materials Properties. SSN 1741-8410. Volume 7, Number 1/2012, pp. 77-93. DOI 10.1504/IJMMP.2012.045804.	0.20	0,71		
	Citat de 11 ori in 2011 in Reviste ISI			29,21		29,21
2011	5.1	Sancakoglu, O., Culha, O., Toparli, M., Agaday, B., Celik, E.; Co-deposited Zn-submicron sized Al₂O₃ composite coatings: Production, characterization and micromechanical properties; <i>Materials and Design</i> 32 (7), pp. 4054-4061 (2011)	3.00	2,85		
	5.2	Huang, S., Hu, Y., Pan, W.; Relationship between the structure and hydrophobic performance of Ni-TiO₂ nanocomposite coatings by electrodeposition; <i>Surface and Coatings Technology</i> 205 (13-14), pp. 3872-3876 (2011).	2.19	2,85		
	5.3	Cai C., Zhu X.B., Zheng G.Q., et al.; Electrodeposition and characterization of nano-structured Ni-SiC composite films; <i>Surface & Coatings Technology</i> , Volume: 205, Issue: 11, Pages: 3448-3454, Published: Feb 25 2011.	2.19	2,85		
	5.4	Khazrayie M.A., Aghdam A.S.R.; Characterization of Ni-W/MWCNT nanocomposite layers formed by pulsed electrochemical deposition; <i>Protection of Metals and Physical Chemistry of Surfaces</i> , Volume: 47, Issue: 1, Pages: 63-67, Published: Jan 2011.	0.60	1,42		
	5.5	Lapinski, J., Pletcher, D., Walsh, F.C.; The electrodeposition of nickel-graphite composite Layers. <i>Surface and Coatings Technology</i> , 2011, 205 (21-22), pp. 5205-5209.	2.19	2,85		
	5.6	P. Narasimman, Malathy Pushpavanam, V.M. Periasamy ; Synthesis, characterization and comparison of sediment electro-codeposited nickel-micro and nano SiC composites. <i>Applied Surface Science</i> 258 (2011) 590– 598.	2.538	2,85		
	5.7	ZHU Xu-bei ¹ , CAI Chao ² , 3, ZHENG Guo-qu ¹ , ZHANG Zhao ³ , LI Jin-feng. Electrodeposition and corrosion behavior of nanostructured Ni-TiN composite films. <i>Trans. Nonferrous Met. Soc. China</i> 21 (2011) 2216–2224.	1.13	2,14		
	5.8	Chen, H., Li, W., Hou, Q., Liu, H., Zhu, L., A general deposition method for ZnO porous films: Occlusion electrosynthesis. <i>Electrochimica Acta</i> 56 (25), pp. 9459-9466.	4.08	2,85		
	5.9	Arghavani, R., Parvini-Ahmadi, N., The effect of co-electrodeposited ZrO₂ particles on the microstructure and corrosion resistance of Ni coatings. <i>Journal of Solid State Electrochemistry</i> 15 (10), pp. 2199-2204.	2.234	2,85		
	5.10	Zhong Wu, Lei Liu, Wenbin Hu. Effect of α-Al₂O₃ coatings on the interface of Ni/SiC composites prepared by electrodeposition. <i>Surface and Coatings Technology</i> , Available online 22 December 2011. doi:10.1016/j.surfcoat.2011.12.016.	2.19	2,85		
	5.11	Carpenter, C.R., Shipway, P.H., Zhu, Y. The influence of CNT co-deposition on electrodeposit grain size and	2.19	2,85		

		hardness. <i>Surface and Coatings Technology</i> . 2011, 205 (21-22), pp. 5059-5063.				
2010	Citat de 7 ori in 2010 in Reviste ISI				10,67	10,67
	5.1	M. Aliofkhaezrai, Sh. Ahangarab and A. Sabour Rouhaghdam; Effect of the duty cycle of pulsed current on nanocomposite layers formed by pulsed electrodeposition ; <i>Rare Metals</i> Vol. 29, No. 2, Apr 2010, p. 209. DOI: 10.1007/s12598-010-0036-0.	0.86	1,42		
	5.2	HU Wei, TAN Cheng-yu, CUI Hang, LIU Yu, ZHENG Zi-qiao; Kinetics analysis of Ni-TiO₂ composite system during initial stages of electro-crystallization ; <i>J. Cent. South Univ. Technol.</i> (2010) 17: 460-466. DOI: 10.1007/s11771-010-0507-3.	0.53	1,42		
	5.3	Reza Arghavanian, Naghi Parvini-Ahmadi; The effect of co-electrodeposited ZrO₂ particles on the microstructure and corrosion resistance of Ni coatings ; <i>Journal of Solid State Electrochemistry</i> , Online First™, 15 November 2010; <i>J Solid State Electrochem.</i> DOI 10.1007/s10008-010-1229.-z.	2.234	2,85		
	5.4	Tan C.Y., Cui H., Hu W., et al.; Influence of Nano-Al₂O₃ Particles on Nickel Electrocrystallization at Initial Stag ; <i>Rare Metal Materials and Engineering</i> , Volume: 39, Issue: 1, Pages: 10-16, Published: JAN 2010.	0.26	0,71		
	5.5	Medina L.A.T., Calderon J.A.; Evaluation of resistance to erosion-corrosion of nickel coatings modified with diamond nanoparticles ; <i>Revista Facultad de Ingenieria-Universidad de Antioquia</i> , Issue: 54, Special Issue: Sp. Iss. SI, Pages: 42-48, Published: AUG 2010.	0.089	0,71		
	5.6	Frade T., Bouzon V., Gomes A., et al.; Pulsed-reverse current electrodeposition of Zn and Zn-TiO₂ nanocomposite films ; <i>Surface & Coatings Technology</i> , Volume: 204, Issue: 21-22, Pages: 3592-3598, Published: AUG 15 2010.	2.19	2,85		
	5.7	Xue Yu-Jun, Li Ji-Shun, Ma Wei, Duan Ming-De, Lan Ming-Ming; Fabrication and wear resistance of Ni-CeO₂ nanocomposite coatings by electrodeposition under ultrasound condition ; <i>International Journal of Surface Science and Engineering</i> , Volume 4, Number 3, 14 May 2010, pp. 202-213(12).	0.43	0,71		
2009	Citat de 6 ori in 2009 in Reviste ISI:				12,11	12,11
	5.1	Cai C., Yin J., Zhang Z., Yang J.; The electrodeposition of nanostructured Ni-TiN composite films ; <i>Materials Science Forum</i> 620 622, pp. 727-730 (2009).	0.29	0,71		
	5.2	Ataee-Esfahani H., Vaezi M.R., Nikzad L., Yazdani B., Sadrnezhad S.K.; Influence of SiC nanoparticles and saccharin on the structure and properties of electrodeposited Ni-Fe/SiC nanocomposite coatings ; <i>Journal of Alloys and Compounds</i> 484 (1-2), pp. 540-544 (2009).	2.726	2,85		
	5.3	Guzmán J.E.H., Gómez Botero M.A., Calderón J.A.; Electrochemical deposition of Ni-SiC composite coatings and evaluation of anticorrosive behavior ; <i>Revista Facultad de Ingenieria</i> (49), pp. 70-80 (2009).	0.16	0,71		
	5.4	García-Lecina E., García-Urrutia I., Díez J.A., Salvo M., Smeacetto F., Gautier G., Seddon R., Martin R.; Electrochemical preparation and characterization of Ni/SiC compositionally graded multilayered coatings ; <i>Electrochimica Acta</i> 54 (9), pp. 2556-2562 (2009).	4.08	2,85		
	5.5	YANG X.-y., LI K.-j., PENG X., WANG F.-h.; Beneficial effects of Co²⁺ on co-electrodeposited Ni-SiC nanocomposite coating ; <i>Transactions of Nonferrous Metals Society of China (English Edition)</i> 19 (1), pp. 119-124 (2009).	3.42	2,85		
	5.6	Thiemig D., Bund A.; Influence of ethanol on the electrocodeposition of Ni/Al₂O₃ nanocomposite films ;	1.73	2,14		

		<i>Applied Surface Science</i> 255 (7), pp. 4164-4170 (2009).				
2008	Citat de 9 ori in 2008 in Reviste ISI			19.95		19.95
	5.1	Gurrappa I., Binder L., Electrodeposition of nanostructured coatings and their characterization - A review , <i>Science and Technology of Advanced Materials</i> 9 (4), art. no. 043001 (2008).	2,613	2,85		
	5.2	Chen J., Liang F., Liu L., Jiang S., Chi B., Pu J., Li J., Nano-structured (La, Sr)(Co, Fe)O₃ + YSZ composite cathodes for intermediate temperature solid oxide fuel cells Nano-structured (La, Sr)(Co, Fe)O₃ + YSZ composite cathodes for intermediate temperature solid oxide fuel cells , <i>Journal of Power Sources</i> 183 (2), pp. 586-589 (2008).	5,211	4.28		
	5.3	Zheng H.-Y., An M.-Z., Electrodeposition of Zn-Ni-Al₂O₃ nanocomposite coatings under ultrasound conditions , <i>Journal of Alloys and Compounds</i> 459 (1-2), pp. 548-552 (2008).	2.726	2,85		
	5.4	Zhao X.-S., Tan C.-Y., Chen W.-J., Liu Y., Li J.-F., Zheng Z.-Q., Nucleation kinetics analysis of Ni-SiC composite film during early electrocrystallization processes , <i>Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals</i> 18 (5), pp. 823-828 (2008).	0.45	0,71		
	5.5	Thiemig D., Bund A., Characterization of electrodeposited Ni-TiO₂ nanocomposite coatings , <i>Surface and Coatings Technology</i> 202 (13), pp. 2976-2984 (2008).	2.19	2,85		
	5.6	Zhou Y., Zhang H., Friction and wear resistance of the as Co-deposited Ni-CeO₂ nanocomposite coating , <i>Xiyu Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering</i> 37 (3), pp. 448-451 (2008).	0.162	0,71		
	5.7	Lu R., Minarro L., Su Y.-Y., Shemanski R.M., Failure mechanism of cemented tungsten carbide dies in wet drawing process of steel cord filament , <i>International Journal of Refractory Metals and Hard Materials</i> 26 (6), pp. 589-600, (2008).	1,764	2,14		
	5.8	Mischler S., Triboelectrochemical techniques and interpretation methods in tribocorrosion: A comparative evaluation , <i>Tribology International</i> 41 (7), pp. 573-583 (2008).	2.124	2,85		
	5.9	TAN, C.-y., LIU, Y., ZHAO, X.-s., ZHENG, Z.-q.; Nickel co-deposition with SiC particles at initial stage ; (2008) <i>Transactions of Nonferrous Metals Society of China (English Edition)</i> 18 (5), pp. 1128-1133.	0.42	0,71		
2007	Citat de 6 ori in 2007 in Reviste ISI			8,54		8,54
	5.1	Meenu Srivastava Sr., V.K. William Grips, Anjana Jain, K.S. Rajam; Influence of SiC particle size on the structure and tribological properties of Ni-Co composites ; <i>Surface and Coatings Technology</i> 202 (2), 2007, pp. 310-318.	2.19	2,85		
	5.2	Chan K. C., Wang C. L., Zhang K. F.; Superplastic deformation behaviour of electrodeposited nanocrystalline nickel ; <i>Materials Science and Technology</i> 23 (6), 2007, pp. 677-682.	0.804	1,42		
	5.3	Jianhua Zhu, Lei Liu, Haijun Zhao, Bin Shen, Wenbin Hu; Microstructure and performance of electroformed Cu/nano-SiC composite ; <i>Materials and Design</i> 28 (6), 2007, pp. 1958-1962.	3.11	2,85		
	5.4	Zhao-xia NIU, Fa-he CAO, Wei WANG, Zhao ZHANG, Jian-qing ZHANG, Chu-nan CAO; Electrodeposition of Ni-SiC nanocomposite film ; <i>Transactions of Nonferrous Metals Society of China (English Edition)</i> 17 (1), 2007, pp. 9-15.	0.27	0,71		
	5.5	Carac G, Iticescu C, Benea L, et al.; The effect of nano-Al₂O₃ dispersed phase in nickel matrix electrocodeposited ; <i>Revue Roumaine de Chimie</i> , Volume: 52, Issue: 11, Pages: 1057-1062, Published: Nov	0.331	0,71		

		2007.				
	5.6	Chan KC, Wang CL, Wang GF, et al.; Superplastic deformation behavior of electrodeposited nickel matrix nanocomposite ; Conference Information: 9 th International Conference on Superplasticity in Advanced Materials, Jun 23-26, 2006 Chengdu, Peoples R China, <i>Superplasticity in Advanced Materials, Book Series: Materials Science Forum</i> , Volume: 551-552, Pages: 521-526, Published: 2007.	-	-		
2006	Citat de 3 ori in 2006 in Reviste ISI			4,27		4,27
	5.1	F. Hu, K.C. Chan; Equivalent circuit modelling of Ni-SiC electrodeposition under ramp-up and ramp-down waveforms ; <i>Materials Chemistry and Physics</i> , Volume 99, Issues 2-3, 10 October 2006, Pages 424-430.	2.129	2,85		
	5.2	Zhu J., Liu L., Zhao H., Shen B., Hu W.; Microstructure and property of electroformed nano-Al₂O₃/Cu composite ; <i>Fuhe Cailliao Xuebao/Acta Materiae Compositae Sinica</i> 23 (4), pp. 65-71.	0.33	0,71		
	5.3	Liu Y.-J., Cui Z.-D., Zhu S.L., Liang C.-Y., Yang X.-J.; Study on preparation and properties of Au/nano-SiC composite coatings ; <i>Gongneng Cailliao / Journal of Functional Materials</i> 37 (2), pp. 301-303.	0.12	0,71		
2005	Citat de 5 ori in 2005 in Reviste ISI			9,97		9,97
	5.1	F. Hu, K.C. Chan; Deposition behaviour and morphology of Ni-SiC electro-composites under triangular waveform ; <i>Applied Surface Science</i> , Volume 243, Issues 1-4, 30 April 2005, Pages 251-258.	2.538	2,85		
	5.2	K.C. Chan G.F. Wang, C.L. Wang, K.F. Zhang; Low temperature superplastic gas pressure forming of electrodeposited Ni/SiCp nanocomposites ; <i>Materials Science and Engineering: A</i> , Volume 404, Issues 1-2, 15 September 2005, Pages 108-116.	2.24	2,85		
	5.3	Lekka M, Kouloumbi N, Gajo M, et al.; Corrosion and wear resistant electrodeposited composite coatings ; Conference Information: Euro Interfinish 2003 Conference, OCT 23-24, 2003 Praglia, Italy; <i>Electrochimica Acta</i> , Volume: 50, Issue: 23, Pages: 4551-4556, Published: AUG 25 2005.	4.08	2,85		
	5.4	Wang, C., Zhang, K.; Superplasticity of SiCp/Ni nanocomposite. 2005 , <i>Fuhe Cailliao Xuebao/Acta Materiae Compositae Sinica</i> , 2005, 22 (4), pp. 68-74.	0.34	0,71		
	5.5	Xue, Y.-J., Zhu, D., Jin, G.-H., Zhao, F.; Friction and wear properties of electrodeposited Ni-La₂O₃ nanocomposite coatings . <i>Mocaxue Xuebao/Tribology</i> 2005, 25 (1), pp. 1-6.	0.47	0,71		
2004	Citat de 7 ori in 2004 in Reviste ISI			12,82		12,82
	5.1	Trzaska M., Kowalewska M., Wyszynska A.; Electrolytic composite nickel layers with a nano-sized Si₃N₄ dispers phase ; Conference Information: Symposium on Metal-Based Nanomaterials Thin Films and Surface Structures held E-MRS Fall Meeting, SEP 06-10, 2004 Warsaw, Poland, <i>Reviews on Advanced Materials Science</i> , Volume: 8, Issue: 2, Pages: 195-200, Published: DEC 2004	0.17	0,71		
	5.2	Wang CL, Zhang KF, Chan KC; Superplastic gas pressure forming of electrodeposited Ni/SiC nanocomposites ; Conference Information: 1 st International Conference on New Forming Technology, Sep 06-09, 2004 Harbin, Peoples R China, <i>Proceedings of the 1st International Conference on New Forming Technology</i> , Pages: 599-604, Published: 2004.	-	-		
	5.3	Chan KC, Wang CL, Zhang KF; Low temperature and high strain rate superplasticity of Ni-1 mass% SiC nanocomposite ; Conference Information: 8 th International Conference on Superplasticity in Advanced Materials,	1.05	2,14		

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

	MAR 28-30, 2003 St Catherines Coll, Oxford, England, <i>Materials Transactions</i> , Volume: 45, Issue: 8, Pages: 2558-2563, Published: Aug 2004.				
5.4	Hu F, Chan KC; Electrocodeposition behavior of Ni-SiC composite under different shaped Waveforms; <i>Applied Surface Science</i> , Volume: 233, Issue: 1-4, Pages: 163-171, Published: Jun 30 2004	2.538	2,85		
5.5	Xue YJ, Zhu D, Zhao F; Electrodeposition and mechanical properties of Ni-La₂O₃ Nanocomposites; <i>Journal of Materials Science</i> , Volume: 39, Issue: 12, Pages: 4063-4066, Published: Jun 15 2004.	2.305	2,85		
5.6	Wang, L.-P., Gao, Y., Xue, Q.-J., Liu, H.-W., Xu, T.; Effect of nano-diamond particulates on the microstructure and wear-resistance of electrodeposited Ni-matrix coatings. 2004, <i>Mocaxue Xuebao/Tribology</i> 2004, 24 (6), pp. 488-492.	0.55	1,42		
5.7	Qu, N.S., Chan, K.C., Zhu, D.; Pulse co-electrodeposition of nano Al₂O₃ whiskers nickel composite coating. 2004, <i>Scripta Materialia</i> 50 (8), pp. 1131-1134.	2.968	2,85		
TOTAL CITĂRI 2004 – 2016 Article LB 5		104			

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 6	Articolul: Benea L., Bonora P.L., Borello A., Martelli S., Wenger F., Ponthiaux P., Galland J., Composite Electrodeposition to Obtain Nanostructured Coatings, <i>Journal of the Electrochemical Society</i>, 148 (7), Volume: 148 Issue: 7 Pages: C461-C465 Published: JUL 2001. I.F. = 3.266 http://dx.doi.org/10.1149/1.1377279.		S_k / n_i Punctaj pe citare	7	187,3530
2016	Citat de 3 ori in 2016 in Reviste ISI		7,1430		7,1430
6.1	Y. He, S.C.Wang, F.C.Walsh, Y.-L. Chiu, P.A.S. Reed, Self-lubricating Ni-P-MoS₂ composite coatings, <i>Surface & Coatings Technology</i> 307 (2016) 926–934. http://dx.doi.org/10.1016/j.surfcoat.2016.09.078	2.589	2,8572		
6.2	Cho, Young-Lae; Park, Jung-Ho; Lee, Mi-Ri; Na, Seong-Hun; Park, Chan; Suh, Su-Jeong, Surface Morphology and Crystal Orientation of Pyramidal Shaped Tin Deposited by Electroplating, <i>Nanoscience and Nanotechnology Letters</i> , Volume 8, Number 7, July 2016, pp. 607-610(4). https://doi.org/10.1166/nml.2016.2224	1.889	2,1429		

	6.3	Songmei Li, Wenhui Yao, Jianhua Liu, Mei Yu, Kun Ma, Effect of SiC nanoparticle concentration on the properties of oxide films formed on Tie10V2Fe3Al alloy , <i>Vacuum</i> 123 (2016) 1-7. http://dx.doi.org/10.1016/j.vacuum.2015.10.005	1.530	2,1429		
	Citat de 9 ori in 2015 in Reviste ISI			16,39		16,39
2015	6.1	Soroor Ghaziof, Paul A. Kilmartin, Wei Gao, Electrochemical studies of sol-enhanced Zn–Ni–Al₂O₃ composite and Zn–Ni alloy coatings , <i>Journal of Electroanalytical Chemistry</i> 755 (2015) 63–70. doi:10.1016/j.jelechem.2015.07.041	2.822	2,85		
	6.2	F.I. Danilov, Y.E. Sknar, I.G. Tkach, I.V. Sknar, Electrodeposition of nickel-based nanocomposite coatings from cerium(III)-ion-containing methanesulfonate electrolytes , <i>Russian Journal of Electrochemistry</i> 51 (2015) 294-298. DOI: 10.1134/S1023193515040023	0.692	1,42		
	6.3	J. Qin, X. Zhang, Y. Xue, M.K. Das, A. Thuepoy, S. Limpanart, Y. Boonyongmaneerat, M. Ma, R. Liu, The high concentration and uniform distribution of diamond particles in Ni-diamond composite coatings by sediment co-deposition , <i>Surface and Interface Analysis</i> 47 (2015) 331-339. DOI: 10.1002/sia.5712	1.018	2,14		
	6.4	S. Li, W. Yao, J. Liu, M. Yu, L. Wu, K. Ma, Study on anodic oxidation process and property of composite film formed on Ti-10V-2Fe-3Al alloy in SiC nanoparticle suspension , <i>Surface and Coatings Technology</i> 277 (2015) 234-241. DOI: 10.1016/j.surfcoat.2015.07.050	2.139	2,85		
	6.5	A. Sadeghi, M. Sieber, I. Scharf, T. Lampke, Co-deposition behavior of alumina nanoparticles and properties of Ni-Al₂O₃ nanocomposite coatings , <i>Surface and Interface Analysis</i> 47 (2015) 738-744. DOI: 10.1002/sia.5771	1.018	2,14		
	6.6	M.-J. Kim, J.S. Kim, D.J. Kim, H.P. Kim, S.S. Hwang, Effects of current density and agitation on co-deposition behaviour of electrodeposited Ni-TiO₂ composite coating , <i>Surface Engineering</i> 31 (2015) 673-678. DOI: 10.1179/1743294415Y.0000000029	1.081	2,14		
	6.7	ZHU Xu-bei, CAI Chao, Z Guo-qu, Z Zhao, Electrodeposition and corrosion behavior of nanostructured Ni-TiN composite films-TNMSC , <i>The Chinese Journal of Nonferrous Metals</i> 21 (10) (2015).	1.340	2,14		
	6.8	Soroor Ghaziof, Wei Gao, Mechanical and Chemical Properties of Zn-Ni-Al₂O₃ Nano Composite Coatings , <i>World Academy of Science, Engineering and Technology, International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering</i> 9 (2015) 938-942. scholar.waset.org/1999.2/10001993	-	-		
	6.9	Farah A. Abed, Deposition of Ni- CO/TiO₂ Nanocomposite Coating by Electroplating , <i>International Journal of Advanced Research</i> 3 (2015) 241-246, ISSN 2320-5407. http://www.journalijar.com .	0.454	0,71		
2014	Citat de 6 ori in 2014 in Reviste ISI			11,41		11,41
	6.1	P Narasimman. PhD Thesis: Studies on the properties of nickel nano SiC and nickel micro SiC electro	-	-		

	composites with modeling and optimization. Issue Date: 11-Mar-2014, Anna University, Faculty of Mechanical Engineering. http://hdl.handle.net/10603/17395				
6.2	Annamaria Vilinska, Sathish Ponnurangam, Irina Chernyshova, Ponisseril Somasundaran, Damla Eroglu, Jose Martinez, Alan C. West. Stabilization of Silicon Carbide (SiC) micro-and nanoparticle dispersions in the presence of concentrated electrolyte. Journal of Colloid and Interface Science, 2014, Volume 423, 1 June 2014, Pages 48–53. doi:10.1016/j.jcis.2014.02.007	3.89	2,85		
6.3	Gobinda Gyawali, Hyung-Suk Kim, Khagendra Tripathi, Tae-Ho Kim, Soo Wahn Lee. Fabrication and Characterization of Electrodeposited NiSiCeh/BN Composite Coatings. Journal of Materials Science & Technology (2014), J. Mater. Sci. Technol., 2014, (-), 1-7. http://dx.doi.org/10.1016/j.jmst.2014.05.008	1.12	2,14		
6.4	A Gupta, S Barkam, D Lahiri, R. Balasubramaniam, Kantesh Balani. Effect of Alumina Dispersion on Microstructural and Nanomechanical Properties of Pulse Electrodeposited Nickel–Alumina Composite Coatings. Journal of Materials Science & Technology. 2014, Volume 30, Issue 8, August 2014, Pages 808–813. doi:10.1016/j.jmst.2013.12.013	1.12	2,14		
6.5	J Qin, X Zhang, Y Xue, M Kumar Das, Adisak Thueploy, Sarintorn Limpanart, Yuttanant Boonyongmaneerat, Mingzhen Ma and Riping Liu. The high concentration and uniform distribution of diamond particles in Ni-diamond composite coatings by sediment co-deposition. Surface and Interface Analysis, 2014, Article first published online: 24 NOV 2014.	1.20	2,14		
6.6	M Raja, GNK Ramesh Babu, J Maharaja, R. Sekar. Electrodeposition and characterisation of Ni–TiC nanocomposite using Watts bath. Surface Engineering, 2014, Volume 30, Issue 10 (October 2014), pp. 697-701. DOI: http://dx.doi.org/10.1179/1743294414Y.0000000265	1.33	2,14		
2013	Citat de 11 ori in 2013 in Reviste ISI		19,95		19,95
6.1	A.K.M. M. Morshed, Titan C. Paul, Jamil Khan. Effect of Cu-Al₂O₃ Nanocomposite Coating on Flow Boiling Performance of a Microchannel. Applied Thermal Engineering. 51 (2013) 1135-1143.	3.29	2,85		
6.2	G Roventi, T Bellezze, R Fratesi. Electrodeposition of Zn–SiC nanocomposite coatings, Journal of Applied Electrochemistry, August 2013, Volume 43, Issue 8, pp 839-846.	2.19	2,85		
6.3	J Wang, F Xia, M Huang. Preparation and Mechanical Properties of Ni-TiN Composite Layers by Ultrasonic Electrode Position. Research Journal of Applied Sciences, Engineering and Technology, 6(7) pp. 1303-1308, 2013.	0.43	0,71		
6.4	D Eroglu, A Vilinska, P Somasundaran, AC West. Use of dispersants to enhance incorporation rate of nano-particles into electrodeposited films. Electrochimica Acta. Volume 113, 15 December 2013, Pages 628–634.	4.08	2,85		
6.5	Damla Eroglu, Annamaria Vilinska, Ponisseril Somasundaran and Alan C. West. Effect of a Cationic Polymer, Polyethyleneimine, on Ni/SiC Co-Deposition. J. Electrochem. Soc. 2013 volume 160, issue 2,	2.63	2,85		

		D35-D40. doi: 10.1149/2.041302jes				
	6.6	Gobinda Gyawali, Rajesh Adhikari, Hyung Suk Kim, Hong-Baek Cho, and Soo Wahn Lee. Effect of h-BN Nanosheets Codeposition on Electrochemical Corrosion Behavior of Electrodeposited Nickel Composite Coatings. ECS Electrochemistry Letters. 2013 2(3): C7-C10. doi:10.1149/2.003303eel.	1.44	2,14		
	6.7	Miao Sun, Ning Zhang, Hong Min Kan, Xiao Yang Wang, Fei Yi Yang, Ting Ting Fu. The Development of Nanocrystalline Materials Prepared by Electrodeposition. Advanced Materials Research (Volumes 690 - 693), Materials Design, Processing and Applications, pp. 458-461. DOI: 10.4028/www.scientific.net/AMR.690-693.458.	0.34	0,71		
	6.8	Jian-mei LI, Chao CAI, Li-xiao SONG, Jin-feng LI, Zhao ZHANG, Min-zhao XUE, Yan-gang LIU. Electrodeposition and characterization of nano-structured black nickel thin films. Transactions of Nonferrous Metals Society of China. Volume 23, Issue 8, August 2013, Pages 2300–2306. doi: 10.1016/S1003-6326(13)62732-6	1.36	2,14		
	6.9	YANG Zishuang, TAN Yefa, TAN Hua, DONG Guiyang, HE Long. Influence of Ultrasonic on the Micro-structure and Properties of Ni-Co-TiCN Composite Coatings. Manufacturing Information Engineering of China, 2013. 42 (4). DOI: 10.3969/j.issn.2095-509X.2013.04.016	-	-		
	6.10	Xia, F., Xu, H., Liu, C., Wang, J., Ding, J., Ma, C. Microstructures of Ni-AlN composite coatings prepared by pulse electrodeposition technology. 2013 Applied Surface Science, 2013, 271 , pp. 7-11.	2.78	2,85		
	6.11	Nare Gabrielyan. Low Temperature Fabrication of One-Dimensional Nanostructures and Their Potential Application in Gas Sensors and Biosensors. May 2013. Emerging Technologies Research Centre. De Montfort University, Leicester. https://www.dora.dmu.ac.uk/bitstream/handle/2086/9607/Final%20thesis%20-Nare%20Gabrielyan.pdf?sequence=1	-	-		
	Citat de 6 ori in 2012 in Reviste ISI			12,11		12,11
2012	6.1	Xia, F., Ma, C., Yin, Y., Miao, L. A study on Ni-TiN coatings produced by ultrasonic pulse electrodeposition. Advanced Materials Research, 2012, 562-564 , pp. 269. -272.	0.22	0,71		
	6.2	Sanjabi, S., Shirani, A. The morphology and corrosion resistance of electrodeposited Co-TiO2 nanocomposite coatings. Materials and Corrosion, 2012, 63 (8) , pp. 695-702.	0.43	0,71		
	6.3	Narasimman, P., Pushpavanam, M., Periasamy, V.M. Wear and scratch resistance characteristics of electrodeposited nickel-nano and micro SiC composites. Wear, 2012, 292-293 , pp. 197-206.	1.64	2,14		
	6.4	Lee, C.-K. Fabrication, characterization and wear corrosion testing of bioactive hydroxyapatite/nano-TiO2 composite coatings on anodic Ti-6Al-4V substrate for biomedical applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology 177 (11) , pp. 810-818.	2.04	2,85		
	6.5	Sohrabi, A., Dolati, A., Ghorbani, M., Barati, M.R., Stroeve, P. Elucidation of the structural texture of electrodeposited Ni/SiC nanocomposite coatings. Journal of Physical Chemistry C, 2012, 116 (6), pp. 4105-4118.	4.78	2,85		
	6.6	Fafeng Xia, Huibin Xu, Chao Liu, Jinwu Wang, Junjie Ding, Chunhua Ma. Microstructures of Ni-AlN composite coatings prepared by pulse electrodeposition technology. Applied Surface Science (2012), doi:10.1016/j.apsusc.2012.12.064.	2.33	2,85		

2011	Citat de 11 ori in 2011 in Reviste ISI			22,80		22,80
	6.1	Hou K.H., Chen Y.C.; Preparation and wear resistance of pulse electrodeposited Ni-W/Al₂O₃ composite coatings ; <i>Applied Surface Science</i> , Volume: 257, Issue: 15, Pages: 6340-6346, Published: May 15 2011	2.538	2,85		
	6.2	Qin X.X., Liu J.J., Wang F., et al.; Effect of multi-walled carbon nanotubes as second phase on the copper electrochemical reduction behavior for fabricating their nanostructured composite films ; <i>Journal of Electroanalytical Chemistry</i> , Volume: 651, Issue: 2, Pages: 233-236, Published: Feb 1 2011	2.77	2,85		
	6.3	Sivaraman, K.M., Ergeneman, O., Pané, S., Pellicer, E., Sort, J., Shou, K., Suriñach, S., (...), Nelson, B.J.; Electrodeposition of cobalt-yttrium hydroxide/oxide nanocomposite films from particle-free aqueous baths containing chloride salts . <i>Electrochimica Acta</i> 56 (14), pp. 5142-5150.	4.08	2,85		
	6.4	Bose, R., Kalaignan, G.P.; Fortification of Ni-Y₂O₃ nanocomposite coatings prepared by pulse and direct current methods . <i>Ionics</i> , 2011, 17 (6), pp. 495- 501. , DOI: 10.1007/s11581-011-0547-1.	1.836	2,14		
	6.5	Łosiewicz, B.; Experimental design in the electrodeposition process of porous composite Ni-P + TiO₂ coatings . <i>Materials Chemistry and Physics</i> 128 (3), pp. 442-448.	2.129	2,85		
	6.6	Saha, R.K., Mohamed, S., Khan, T.I. ; Effect of coating parameters on the electrodeposition of nickel containing nano-sized alumina particles . <i>Ceramic Transactions</i> (2011) 225, pp. 41-50.	0.20	0,71		
	6.7	P. Narasimman, Malathy Pushpavanam, V.M. Periasamy ; Synthesis, characterization and comparison of sediment electro-codeposited nickel-micro and nano SiC composites . <i>Applied Surface Science</i> 258 (2011) 590– 598.	2.538	2,85		
	6.8	ZHU Xu-bei ¹ , CAI Chao ^{2, 3} , ZHENG Guo-qu ¹ , ZHANG Zhao ³ , LI Jin-feng. Electrodeposition and corrosion behavior of nanostructured Ni-TiN composite films . <i>Trans. Nonferrous Met. Soc. China</i> 21 (2011) 2216–2224.	1.13	2,14		
	6.9	S. Sanjabi, A. Shirani. The morphology and corrosion resistance of electrodeposited Co-TiO₂ nanocomposite coatings . <i>Materials and Corrosion</i> . Article first published online: 7 DEC 2011. DOI: 10.1002/maco.201106087.	1.208	2,14		
	6.10	Narottam P. Bansal, Jitendra P. Singh, Jacques Lamon, Sung R. Choi. Effect of Coating Parameters on the Electrodeposition of Nickel Containing Nano-Sized Alumina Particles . <i>Processing and Properties of Advanced Ceramics and Composites III</i> , Volume 225. Published Online: 4 OCT 2011. DOI: 10.1002/9781118144442.ch4.	-	-		
6.11	Çinici, H., Karacif, K., Kafkas, F., Çitak, R. Effect of electrolytic nickel coating on fatigue life of iron based powder metal parts . <i>Kovove Materialy</i> (2011) 49 (5) , pp. 355-359.	0.51	1,42			
2010	Citat de 3 ori in 2010 in Reviste ISI			4,98		4,98
	6.1	Samide A., Maxut A., Cioatera N., et al.; Study on the Corrosion Resistance of Sn/Zr_{0.74}Y_{0.16}Ti_{0.10}O₂-delta Composite Coatings Electrodeposited on Carbon Steel in Acidic Medium ; <i>Revista De Chimie</i> , Volume: 61, Issue: 5, Pages: 439-442, Published: May 2010.	0.55	1,42		
	6.2	Xia F.F., Liu C., Wang F., et al.; Preparation and characterization of Nano Ni-TiN coatings deposited by ultrasonic electrodeposition ; <i>Journal of Alloys and Compounds</i> , Volume: 490, Issue: 1-2, Pages: 431-435, Published: Feb 4 2010.	2.726	2,85		

	6.3	Tan Chengyu, Cui Hang Hu Wei, Liu Yu, Zheng Ziqiao; Influence of Nano-Al₂O₃ Particles on Nickel Electrocrystallization at Initial Stage ; <i>Rare Metal Materials and Engineering</i> , Volume 39, Issue 1, January 2010; 2010, 39(1): 00100016.	0.26	0,71		
	Citat de 8 ori in 2009 in Reviste ISI			14,23		14,23
2009	6.1	Zhong Y., Dai P., Zhou X.; Corrosion characteristic of pulsed electrodeposition nano SiC/Ni- Co composite coating ; <i>Acta Materiae Compositae Sinica</i> 26 (4), pp. 111-118 (2009).	0.612	1,42		
	6.2	Tulio P.C., Carlos I.A.; Effect of SiC and Al₂O₃ particles on the electrodeposition of Zn, Co and ZnCo: II. Electrodeposition in the presence of SiC and Al₂O₃ and production of ZnCo-SiC and ZnCo-Al₂O₃ coatings ; <i>Journal of Applied Electrochemistry</i> 39 (8), pp. 1305-1311 (2009).	2.147	2,85		
	6.3	Gajewska-Midzialek, A., Szeptycka, B., Nakonieczny,A.; Nanocrystalline electrochemical composite coatings with nickel matrix and boron ; <i>Transactions of the Institute of Metal Finishing</i> , 87 (3), pp.141-144 (2009).	0.8	1,42		
	6.4	Shi L., Xu Y., Li K., Yao Z., Jiang Z.; Corrosion resistance property of micro-arc oxidation coatings on Mg-Li alloy obtained in different systems ; <i>Chinese Journal of Materials Research</i> 23 (2), pp. 220-224 (2009).	0.17	0,71		
	6.5	Tulio P.C., Carlos I.A.; Effects of SiC and Al₂O₃ particles on the electrodeposition of Zn,Co and ZnCo. I. Electrodeposition in the absence of SiC and Al₂O₃ ; <i>Journal of Applied Electrochemistry</i> 39 (2), pp. 283-291 (2009).	2.147	2,85		
	6.6	YANG X.-y., LI K.-j., PENG X., WANG F.-h.; Beneficial effects of Co²⁺ on co-electrodeposited Ni-SiC nanocomposite coating ; <i>Transactions of Nonferrous Metals Society of China (English Edition)</i> 19 (1), pp. 119-124 (2009).	0.57	1,42		
	6.7	Feng, Q., Li, T., Teng, H., Zhang, X., Zhang, Y., Liu, C., Jin, J.; Investigation on the corrosion and oxidation resistance of Ni-Al₂O₃ nano-composite coatings prepared by sediment co-deposition. 2009 , <i>Metal Finishing</i> 107 (1), pp. 34-41.	0.19	0,71		
	6.8	Tulio P.C., Carlos I.A.; Effect of SiC and Al₂O₃ particles on the electrodeposition of Zn, Co and ZnCo: II. Electrodeposition in the presence of SiC and Al₂O₃ and production of ZnCo-SiC and ZnCo-Al₂O₃ coatings ; <i>Journal of Applied Electrochemistry</i> , Volume: 39, Issue: 8, Pages: 1305-1311, Published: Aug 2009.	2.147	2,85		
2008	Citat de 8 ori in 2008 in Reviste ISI			12,81		12,81
	6.1	Fustes J., Gomes A., Da Silva Pereira M.I.; Electrodeposition of Zn-TiO₂ nanocomposite films-effect of bath composition ; <i>Journal of Solid State Electrochemistry</i> 12 (11), pp. 1435-1443 (2008).	2.234	2,85		
	6.2	Xia F., Jia Z., Wu M., Wang F., Huo F.; Process optimization of ultrasonic-electrodeposition of Ni-nano TiN composite coatings by artificial neural network ; <i>Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering</i> 37 (8), pp. 1479-1482 (2008).	0.10	0,71		
	6.3	Ma X., Yao S.-W., Zhang W.-G., Wang H.-Z.; Structure of Fe-W-ZrO₂ nano-composite coatings by electrodeposition on carbon steel ; <i>Cailiao Rechuli Xuebao/Transactions of Materials and Heat Treatment</i> 29 (4), pp. 176-180 (2008).	0.10	0,71		
	6.4	Feng Q., Li T., Teng H., Zhang X., Zhang Y., Liu C., Jin J.; Investigation on the corrosion and oxidation resistance of Ni-Al₂O₃ nano-composite coatings prepared by sediment co-deposition ; <i>Surface and Coatings Technology</i> 202 (17), pp. 4137-4144 (2008).	2.19	2,85		

	6.5	TAN, C.-y., LIU, Y., ZHAO, X.-s., ZHENG, Z.-q.; Nickel co-deposition with SiC particles at initial stage. 2008, <i>Transactions of Nonferrous Metals Society of China (English Edition)</i> 18 (5), pp. 1128-1133.	0.42	0,71		
	6.6	Zhao X.-S., Tan C.-Y., Chen W.-J., Liu Y., Li J.-F., Zheng Z.-Q.; Nucleation kinetics analysis of Ni-SiC composite film during early electrocrystallization processes; <i>Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals</i> 18 (5), pp. 823-828 (2008).	0.45	0,71		
	6.7	Feng Q., Li T., Yue H., Qi K., Bai F., Jin J.; Preparation and characterization of nickel nano-Al₂O₃ composite coatings by sediment co-deposition; <i>Applied Surface Science</i> 254 (8), pp. 2262-2268 (2008).	2.538	2,85		
	6.8	Szeptycka B, Gajewska-Midzialek A; The influence of the solution composition including additives on the structure and composition of electrochemical Ni-B coatings; Conference Information: Symposium on Chemical and Electrochemical Synthesis of Advanced Materials and Nanostructures on Solid Surfaces held E-MRS Fall Meeting, Sep 17-21, 2007 Warsaw, Poland, <i>Physica Status Solidi C - Current Topics In Solid State Physics</i> , Vol 5, No 11 2008, Book Series: Physica Status Solidi Ccurrent Topics in Solid State Physics, Volume: 5, Issue: 11, Pages: 3518-3521, Published: 2008.	0.57	1,42		
	Citat de 6 ori in 2007 in Reviste ISI			4,98		4,98
	6.1	B. Szeptycka, A.Gajewska-Midzialek; The Influence of the Structure of the Nano-Composite Ni-PTFE Coatings on the Corrosion Properties; <i>Reviews on Advanced Materials Science</i> 14 (2), 2007, pp. 135-140.	1.287	2,14		
	6.2	Shu Hua Li, Fuchi W.; Corrosion Resistance of the Ceramic Coating Formed by Micro-Plasma Arc Oxidation on AZ91D Alloy; <i>Key Engineering Materials</i> 336-338 III, 2007, pp. 2451-2453.	0.04	0,71		
2007	6.3	Zhao-xia NIU, Fa-he CAO, Wei WANG, Zhao ZHANG, Jian-qing ZHANG, Chu-nan CAO; Electrodeposition of Ni-SiC nanocomposite film; <i>Transactions of Nonferrous Metals Society of China (English Edition)</i> 17 (1), 2007, pp. 9-15.	0.27	0,71		
	6.4	Wu, M.-H., Xia, F.-F., Li, Z.; Study on preparing technology of NANO Ni-TiN composite layer by ultrasonic-electrodepositing method. 2007, <i>Proceedings of the International Conference on Integration and Commercialization of Micro and Nanosystems.</i> 2007 B, pp. 1185-1192.	-	-		
	6.5	Li, S., Wang, F., Zhang, H.; The study of the corrosion resistance of the ceramic coating formed by micro-plasma arc oxidation on AZ91D magnesium alloy. 2007, <i>Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering</i> 36 (SUPPL. 2), pp. 674- 676.	0.17	0,71		
	6.6	Qi, X.-H., Zhang, Y.-Q., Jing, R.-J.; Current research status of hard corrosion-resistant nano-composite coatings. 2007, <i>Corrosion and Protection</i> 28 (7), pp. 329-332.	0.19	0,71		
2006	Citat de 11 ori in 2006 in Reviste ISI			24,93		24,93
	6.1	S.M.A. Shibli, R. Manu; Development of zinc oxide-rich inner layers in hot-dip zinc coating for barrier protection; <i>Surface and Coatings Technology</i> , Volume 201, Issue 6, 4 December 2006, Pages 2358-2363.	2.19	2,85		
	6.2	Xia F., Wu M., Jia Z., Li Z.; Ultrasonic-electrodeposited nano Ni-AlN composite layers and characterization; <i>IET Conference Publications</i> (524), pp. 35-38.	-	-		
	6.3	HOU Kung-Hsu, HWU Wen-Hwa, KE Shih-Tsung, GER Ming-Der; Ni-P-SiC composite produced by pulse and direct current plating; <i>Materials Chemistry and Physics</i> 100 (1), pp. 54-59.	2.129	2,85		

	6.4	Sharma G., Yadava R.K., Sharma V.K.; Characteristics of electrodeposited Ni-Co-SiC composite coating ; <i>Bulletin of Materials Science</i> 29 (5), pp. 491-496.	0.54	1,42		
	6.5	C. T. J. Low, R. G. A. Wills, F. C. Walsh; Electrodeposition of composite coatings containing nanoparticles in a metal deposit ; <i>Surface and Coatings Technology</i> (2006), Volume: 201, Issue: 1-2, Pages: 371-383.	2.19	2,85		
	6.6	PENG X., ZHANG Y., ZHAO J., WANG F.; Electrochemical corrosion performance in 3.5% NaCl of the electrodeposited nanocrystalline Ni films with and without dispersions of Cr nanoparticles ; <i>Electrochimica Acta</i> 51 (23), p. 4922-4927.	4.08	2,85		
	6.7	Luo X., Zuo D., Wang M., Li S., Yang W., Chang H.; Preparation and characterization of CeO₂/Zn nanocomposite powder by high-energy ball milling ; <i>Nanjing Hangkong Hangtian Daxue Xuebao / Journal of Nanjing University of Aeronautics and Astronautics</i> 38 (3), pp. 383-387.	0.15	0,71		
	6.8	Tolumoye J. Tuaweri, G.D. Wilcox; Behaviour of Zn-SiO₂ electrodeposition in the presence of N,N-dimethyldodecylamine ; <i>Surface and Coatings Technology</i> , Volume 200, Issues 20-21, 22 May 2006, Pages 5921-5930.	2.19	2,85		
	6.9	C.S. Lin, C.Y. Lee, C.F. Chang, C.H. Chang; Annealing behavior of electrodeposited Ni-TiO₂ composite coatings ; <i>Surface and Coatings Technology</i> , Volume 200, Issues 12-13, 31 March 2006, Pages 3690-3697.	2.19	2,85		
	6.10	Fengyan Hou, Wei Wang, Hetong Guo; Effect of the dispersibility of ZrO₂ nanoparticles in Ni-ZrO₂ electroplated nanocomposite coatings on the mechanical properties of nanocomposite coatings ; <i>Applied Surface Science</i> , Volume 252, Issue 10, 15 March 2006, Pages 3812-3817.	2.538	2,85		
	6.11	Cho Yousuk, Choi Gyuseok, Kim Dojin; A method to fabricate field emission tip arrays by electrocodeposition of single-wall carbon nanotubes and nickel ; <i>Electrochemical and Solid-State Letters</i> . 9 (3), pp. G107-G110.	2.11	2,85		
	Citat de 4 ori in 2005 in Reviste ISI			8,55		8,55
2005	6.1	Szeptycka B., Gajewska A.; Investigation of the electrochemical corrosion resistance of hybrid Ni-SiC-fluoropolymer composite coatings ; <i>Materials and Manufacturing Processes</i> , 20: P. 23-34, 2005.	1.486	2,14		
	6.2	Sheng-Lung Kuo; Effect of nickel ion concentration on Ni/Al₂O₃ composite coatings ; <i>Journal of the Chinese Institute of Engineers</i> , Vol. 28, No. 1, pp. 1-8 (2005).	0.17	0,71		
	6.3	Wang W., Hou F.Y., Wang H., et al.; Fabrication and characterization of Ni ZrO(2) composite nano-coatings by pulse electrodeposition ; <i>Scripta Materialia</i> , Volume: 53, Issue: 5, Pages: 613-618, Published: Sep 2005	2.968	2,85		
	6.4	Wang, L., Gao, Y., Xue, Q., Liu, H., Xu, T.; Effects of nano-diamond particles on the structure and tribological property of Ni-matrix nanocomposite coatings. 2005 , <i>Materials Science and Engineering A</i> , 390 (1- 2), pp. 313-318.	2.24	2,85		
2004	Citat de 9 ori in 2004 in Reviste ISI			17,09		17,09
	6.1	Talbot J.B.; Electrocodeposition of nanocomposite films ; <i>Plating and Surface Finishing</i> , Volume: 91, Issue: 10, Pages: 60-65, Published: Oct 2004.	0.37	0,71		
	6.2	Wang W., Hou F.Y., Guo H.T.; Relationship between dispersibility of ZrO₂ nanoparticles in Ni-ZrO₂ electroplated nanocomposite coatings and mechanical properties of nanocomposite coatings ; Conference Information: 4 th International Conference on Surface Engineering, Oct 29-31, 2004 Shenzhen, <i>Peoples R China</i> ,	0.18	0,71		

**Standarde minime pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

		<i>Transactions of Nonferrous Metals Society of China</i> , Volume: 14, Special Issue: 2, Pages: 186-189, Published: Oct 2004			
	6.3	Lin C.S., Huang K.C.; Codeposition and microstructure of nickel-SiC composite coating electrodeposited from sulphamate bath ; <i>Journal of Applied Electrochemistry</i> , Volume: 34, Issue: 10, Pages: 1013-1019, Published: Oct 2004	2.147	2,85	
	6.4	Ger M.D.; Electrochemical deposition of nickel/SiC composites in the presence of Surfactants ; <i>Materials Chemistry and Physics</i> , Volume: 87, Issue: 1, Pages: 67-74, Published: Sep 15 2004	2.129	2,85	
	6.5	Kuo S.L., Chen Y.C., Ger M.D., et al.; Nano-particles dispersion effect on Ni/Al₂O₃ composite coatings ; <i>Materials Chemistry and Physics</i> , Volume: 86, Issue: 1, Pages: 5-10, Published: Jul 15 2004.	2.129	2,85	
	6.6	Wang F., Arai S., Endo M.; Electrochemical preparation and characterization of nickel/Ultra-Dispersed PTFE composite films from aqueous solution ; <i>Materials Transactions</i> , Volume: 45, Issue: 4, Pages: 1311-1316, Published: Apr 2004	1.05	2,14	
	6.7	Wu G., Li N., Zhou D.R., et al.; Electrodeposited Co-Ni-Al₂O₃ composite coatings ; <i>Surface & Coatings Technology</i> , Volume: 176, Issue: 2, Pages: 157-164, Published: Jan 1 2004	2.19	2,85	
	6.8	Wang, L.-P., Gao, Y., Xue, Q.-J., Liu, H.-W., Xu, T.; Effect of nano-diamond particulates on the microstructure and wear-resistance of electrodeposited Ni-matrix coatings. 2004 , <i>Mocaxue Xuebao/Tribology</i> 24 (6), pp. 488-492.	0.55	1,42	
	6.9	Li, D.-Y., Li, N., Du, M.- H., Wu, G., Liu, X.; Codeposition of Al₂O₃ powders with nickel in a sulphamate bath. 2004 , <i>Cailliao Kexue yu Gongyi/Material Science and Technology</i> 2004, 12 (2), pp. 199-201.	0.08	0,71	
	Citat de 4 ori in 2003 in Reviste ISI			7,84	7,84
2003	6.1	Burzynska L., Rudnik E., Blaz L., et al.; The influence of current density and bath composition on the electrodeposition of nickel and nickel/silicon carbide composite ; <i>Transactions of the Institute of Metal Finishing</i> , Volume: 81, Pages: 193-198, Part: 6, Published: Nov 2003.	1.234	2,14	
	6.2	Qu N.S., Chan K.C., Zhu D.; Processing of nickel-quasicrystal composite coating produced by pulse reverse current plating ; <i>Transactions of the Institute of Metal Finishing</i> , Volume: 81, Pages: 103-105 Part: 4, Published: jul 2003.	1.234	2,14	
	6.3	Kuo S.L., Chen X.L., Chen Y.C., et al.; Physical and chemical dispersion effects on the preparation of Ni-Al₂O₃ composite coating ; <i>Journal of the Chinese Institute of Chemical Engineers</i> , Volume: 34, Issue: 4, Pages: 393-398, Published: Jul 2003	0.21	0,71	
	6.4	Muller C., Sarret M., Benballa M.; ZnNi/SiC composites obtained from an alkaline bath ; <i>Surface & Coatings Technology</i> , Volume: 162, Issue: 1, Pages: 49-53, Published: Jan 1 2003	2.19	2,85	
2002	Citat 1 data in 2002 in Reviste ISI		-	2,14	2,14
	6.1	Hou K.H., Ger M.D., Wang L.M., et al.; The wear behaviour of electro-codeposited Ni-SiC composites ; <i>Wear</i> , Volume: 253, Issue: 9-10, Pages: 994-1003, Published: Nov 2002.	1.59	2,14	
TOTAL CITĂRI 2002-2016 - Article LB 6			100		

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 7	Articolul: Bratu F., Benea L., Celis J.-P.; Tribocorrosion behaviour of Ni-SiC composite coatings under lubricated conditions; (2007) <i>Surface and Coatings Technology</i> , 201 (16-17), pp. 6940-6946. I.F. = 2.139 DOI: 10.1016/j.surfcoat.2006.12.027.		S_k / n_i Punctaj pe citare	3	104,90
2016	Citat de 3 ori in 2016 in Reviste ISI		11,66		11,66
	7.1 Pradeep Tirlapur, M. Muniprakash, Meenu Srivastava, Corrosion and Wear Response of Oxide-Reinforced Nickel Composite Coatings, <i>Journal of Materials Engineering and Performance</i> , 2016, 25 (7), pp. 2563-2569. DOI: 10.1007/s11665-016-2117-1.	1.331	5,00		
	7.2 Jalil Vaziri, Ali Jahan, Ehsan Borhani, Mohammad Yousefieh, Kevin L Edwards, Evaluating promising applications of a new nanomaterial produced by accumulative roll bonding process: A preliminary multiple criteria decision-making approach, <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> 0(0), pp. 1-10. http://dx.doi.org/10.1177%2F1464420716674037	1.625	5,00		
	7.3 Hamed Rahmani, Mahmood Aliofkhazraei, Abdossalam Karimzadeh, Corrosion and wear properties of electrodeposited tertiary nanocomposite Zn-Ni (Alumina-Yttria-Geraphene) coating, <i>Surface Review and Letters</i> 0, 1750066 (2016) [10 pages]. http://dx.doi.org/10.1142/S0218625X17500664	0.491	1,66		
2015	Citat de 3 ori in 2015 in Reviste ISI		6,66		6,66
7.1	Arman Butt, Newton B. Lucchiari Jr., Dmitry Royhman, Maria J. Runa, Mathew T. Mathew, Cortino Sukotjo, Christos G. Takoudis. Design, Development, and Testing of a Compact Tribocorrosion Apparatus for Biomedical Applications, <i>Journal of Bio- and Tribo-Corrosion</i> , (2015) 1:4, pg 1-14. DOI: 10.1007/s40735-014-0004-6	-	-		
7.2	Mohammad Islam, Muhammad Rizwan Azhar, Narjes Fredj, T. David Burleigh, Olamilekan R. Oloyede, Abdulhakim A. Almajid, S. Ismat Shah, Influence of SiO2 nanoparticles on hardness and corrosion resistance of electroless Ni-P coatings, <i>Surface and Coatings Technology</i> 261 (2015) 141-148. doi:10.1016/j.surfcoat.2014.11.044	2.139	6,66		

	7.3	F. Toptan, L.A. Rocha, Chapter 6: Tribocorrosion in metal matrix composites (book chapter, pages 149-167), Processing Techniques and Tribological Behavior of Composite Materials, published by IGI Global, ISSN: 2327-5448.	-	-		
2014	Citat de 2 ori in 2014 in Reviste ISI			6,66		6,66
	7.1	Arman Butt, Newton B. Lucchiari Jr., Dmitry Royhman, Maria J. Runa, Mathew T. Mathew, Cortino Sukotjo, Christos G. Takoudis. Design, Development, and Testing of a Compact Tribocorrosion Apparatus for Biomedical Applications . <i>Journal of Bio- and Tribo-Corrosion</i> , December 2014, 1:4, p. 1-14. DOI 10.1007/s40735-014-0004-6	-	-		
	7.2	Mohammad Islam, Muhammad Rizwan Azhar, Narjes Fredj, T. David Burleigh, Olamilekan R. Oloyede, Abdulhakim A. Almajid, S. Ismat Shah, Influence of SiO₂ nanoparticles on hardness and corrosion resistance of electroless Ni-P coatings . <i>Surface and Coatings Technology</i> , 2014, Volume 261, 15 January 2015, Pages 141-148. doi: 10.1016/j.surfcoat.2014.11.044	2.59	6,66		
2013	Citat de 4 ori in 2013 in Reviste ISI			18,32		18,32
	7.1	F. Toptan, A.C. Alves, I. Kerti, E. Ariza, L.A. Rocha. Corrosion and tribocorrosion behaviour of Al- Si-Cu-Mg alloy and its composites reinforced with B4C particles in 0.05 M NaCl solution . <i>Wear</i> , 306 (1-2), pp. 27-35, 2013. http://dx.doi.org/10.1016/j.wear.2013.06.026	2.62	6,66		
	7.2	Wang, X., Liu, J., Chen, J.Y., Leng, Y., Huang, N. Wear and failure process of TiN and DLC films monitored with open circuit potential . <i>IEEE Transactions on Plasma Science</i> , 2013, 41 (8), art. no. 6502255 , pp.1844-1849.	1.25	5		
	7.3	Patrice Berçot, Jamal Takadoum., Plating of Nanocomposite Coatings (Chapter) Berçot, P., Takadoum, J. 2013 <i>Nanomaterials and Surface Engineering</i> . Published Online: 8 MAR 2013, DOI: 10.1002/9781118618523.ch9.	-	-		
	7.4	Ghosh, S.K., Celis, J.P. , Tribological and tribocorrosion behaviour of electrodeposited CoW alloys and CoW-WC nanocomposites . <i>Tribology International</i> , 2013, 68 , pp. 11-16.	2.71	6,66		
2012	Citat de 2 ori in 2012 in Reviste ISI			8,32		8,32
	7.1	García-Lecina, E., García-Urrutia, I., Díez, J.A., Morgiel, J., Indyka, P. A comparative study of the effect of mechanical and ultrasound agitation on the properties of electrodeposited Ni/Al 2O₃ nanocomposite coatings . <i>Surface and Coatings Technology</i> , 2012, 206 (11-12) , pp. 2998-3005.	2.36	6,66		
	7.2	Malfatti, C.F., Ferreira, J.Z., Oliveira, C.T., Rieder, E.S., Bonino, J.-P. Electrochemical behavior of Ni-Pi-SiC composite coatings: Effect of heat treatment and SiC particle incorporation . <i>Materials and Corrosion</i> , 2012, 63 (1) , pp. 36-43.	0.43	1,66		
2011	Citat de 3 ori in 2011 in Reviste ISI			14,98		14,98
	7.1	Singh D.K., Singh V.B.; Electrodeposition of Ni-SiC Composite from a Non-Aqueous Bath ; <i>Journal of the</i>	2.86	6,66		

		<i>Electrochemical Society</i> ; Volume: 158; Issue: 2; Pages: D114-D118, Published: 2011.			
	7.2	Jamaati, R., Toroghinejad, M.R., Szpunar, J.A., Li, D.J.; Tribocorrosion behaviour of Al/Al₂O₃ MMC produced by ARB process ; <i>Tribology - Materials, Surfaces and Interfaces</i> . 5 (1), pp. 10-15 (2011)	0.256	1,66	
	7.3	E. Garc'ia-Lecina, I. Garc'ia-Urrutia, J.A. D'iez, J. Morgiel, P. Indyka. A comparative study of the effect of mechanical and ultrasound agitation on the properties of electrodeposited Ni/Al₂O₃ nanocomposite coatings . <i>Surface & Coatings Technology</i> . 2011. doi: 10.1016/j.surfcoat.2011.12.037.	2.19	6,66	
	Citat de 5 ori in 2010 in Reviste ISI			23,32	23,32
2010	7.1	Ghosh S.K., Limaye P.K., Srivastava C., et al.; Comparison of sliding wear behaviour of pulse electrodeposited Ni-Cu nanocrystalline alloys and Ni-Cu/Cu multilayers ; <i>Transactions of the Institute of Metal Finishing</i> , Volume: 88, Issue: 3, Pages: 158-162, Published: MAY 2010.	0.981	3,33	
	7.2	Dhananjay Kumar Singh and V. B. Singh. Electrodeposition of Ni-SiC Composite from a Non-Aqueous Bath . <i>J. Electrochem. Soc.</i> , Volume 158, Issue 2, pp. D114-D118 (2011). Published 21 December 2010).	2.86	6,66	
	7.3	C. F. Malfatti, J. Z. Ferreira, C. T. Oliveira, E. S. Rieder, J.-P. Bonino; Electrochemical behavior of Ni-P-SiC composite coatings: Effect of heat treatment and SiC particle incorporation; 16 AUG 2010. <i>Materials and Corrosion</i> , 62: n/a DOI: 10.1002/maco.200905611.	1.208	5,00	
	7.4	Roohollah Jamaati, Mohammad Reza Toroghinejad, Jerzy A. Szpunar and Duanjie Li; Tribocorrosion Behavior of Aluminum/Alumina Composite Manufactured by Anodizing and ARB Processes ; <i>Journal of Materials Engineering and Performance</i> . DOI: 10.1007/s11665-011-9835-1 Online First.	0.981	3,33	
	7.5	Liu, X., Luo, Y., Song, L., Sun, X.; Preparation and performance of electrodeposited Ni-TiB₂-Sm₂O₃ composite coatings ; (2010) <i>Journal of Rare Earths</i> 28 (SUPPL. 1), pp. 97-101.	1.342	5,00	
		Citat de 4 ori in 2009 in Reviste ISI			14,98
2009	7.1	Guzmán J.E.H., Gómez Botero M.A., Calderón J.A.; Electrochemical deposition of Ni-SiC composite coatings and evaluation of anticorrosive behavior ; <i>Revista Facultad de Ingeniería</i> (49), pp. 70-80 (2009).	0.16	1,66	
	7.2	LIU X., LI X., YU A., HUANG W.; Preparation and tribological performance of electrodeposited Ni- TiB₂-Dy₂O₃ composite coatings ; <i>Journal of Rare Earths</i> 27 (3), pp. 480-485 (2009).	1.342	5,00	
	7.3	García-Lecina E., García- Urrutia I., Díez J.A., Salvo M., Smeacetto F., Gautier G., Seddon R., Martin R.; Electrochemical preparation and characterization of Ni/SiC compositionally graded multilayered coatings ; <i>Electrochimica Acta</i> 54 (9), pp. 2556-2562 (2009).	4.08	6,66	
	7.4	Henaó Guzman, Johny Edwar, Gomez Botero, Maryory Astrid and Calderon, Jorge Andrés. Electrochemical deposition of Ni-SiC composite coatings and evaluation of anticorrosive behavior . <i>Rev.fac.ing.univ. Antioquia</i> , Jul./Sept. 2009, no.49, p.70-80. ISSN 0120-6230.	0.031	1,66	
TOTAL CITĂRI 2009 - 2016 Aticle LB 7			26		

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 8	Carac G., Benea L. , Iticescu C., Lampke T., Steinhäuser S., Wielage B.; Codeposition of cerium oxide with nickel and cobalt: Correlation between microstructure and microhardness , (2004) <i>Surface Engineering</i> , 20 (5), pp. 353-359. I.F. = 1.081 DOI: 10.1179/026708404X1134 .		S_k / n_i Punctaj pe citare	6	44.96
	Citat de 1 ori in 2016 in Reviste ISI		1,66		1,66
2016	8.1 M.Aliofkhaezai, R. Shoja Gharabagh, M. Teimouri, M. Ahmadzadeh, H. Hasannejad, A. Seyfoori, Effect of cerium ion addition on corrosion and wear characteristics of plasma electrolytic oxidation coating of CP-Ti , <i>Protection of Metals and Physical Chemistry of Surfaces</i> , November 2016, Volume 52, Issue 6, pp 1093–1099	0.609	1,66		
	Citat 1 data in 2015 in Reviste ISI		2,5		2,5
2015	8.1 M.A. Khan, Electrochemical polarisation studies on plasma-sprayed nickel-based superalloy , <i>Applied Physics A: Materials Science and Processing</i> 120 (2015) 801-808. DOI: 10.1007/s00339-015-9291-0	1.444	2,5		
	Citat 1 data in 2014 in Reviste ISI		-		-
2014	8.1 Samira Salehi, Masoud Delgosha, Soheil Sharifi. Influence of pH on the Electrochemical Deposition of Composite Coatings in Copper Matrix with TiO₂ Nanoparticles . <i>Optics</i> . Vol. 3, No. 1, 2014, pp. 1-4. doi: 10.11648/j.optics.20140301.11	-	-		
	Citat de 2 ori in 2013 in Reviste ISI		2,5		2,5
2013	8.1 Ning Song Qu. Synthesis of Ni-CeO₂ Nanocomposite Coatings by Electroforming . <i>Applied Mechanics and Materials</i> (Volume 248), Mechanical Materials and Manufacturing Engineering II, pp.48-53. Doi: 10.4028/www.scientific.net/AMM.248.48 .	-	-		
	8.2 N.S. Qu, W. H. Qian, X.Y. Hu, Z.W. Zhu . Fabrication of Ni-CeO₂ Nanocomposite Coatings Synthesised via a Modified Sediment Co-Deposition Process . <i>International Journal of Electrochemical Science, Int. J. Electrochem. Sci.</i> , 8 (2013) pp. 11564-11577.	1.72	2,5		

2012	Citat de 3 ori in 2012 in Reviste ISI			8,33		8,33
	8.1	Zheng, Z., Li, N., Wang, C.-Q., Li, D.-Y., Zhu, Y.-M., Wu, G. Ni-CeO₂ composite cathode material for hydrogen evolution reaction in alkaline electrolyte. International Journal of Hydrogen Energy 37 (19) , pp. 13921-13932.	4.00	3,33		
	8.2	Sakkas, P., Schneider, O., Martens, S., Thanou, P., Sourkouni, G., Argirusis, Chr. Fundamental studies of sonoelectrochemical nanomaterials preparation. Journal of Applied Electrochemistry, 2012, 42 (9) , pp. 763-777.	1.98	2,5		
	8.3	Hasannejad, H., Shahrabi, T. Economical deposition of Ni high cerium oxide nanocomposite Coatings. Surface Engineering, 2012, 28 (6) , pp. 418-423.	1.43	2,5		
2011	Citat 1 data in 2011 in Reviste ISI			3,33		3,33
	8.1	Lewis M.J., Zhu J.H.; A Process to Synthesize (Mn,Co)(3)O-4 Spinel Coatings for Protecting SOFC Interconnect Alloys; <i>Electrochemical and Solid State Letters</i> , Volume: 14, Issue: 1, Pages: B9-B12, Published: 2011.	2.10	3,33		
2010	Citat de 2 ori in 2010 in Reviste ISI			6,66		6,66
	8.1	Srivastava M., Balaraju J.N., Ravishankar B., et al.; Improvement in the properties of nickel by nano-Cr₂O₃ incorporation; <i>Surface & Coatings Technology</i> , Volume: 205, Issue: 1, Pages: 66-75, Published: SEP 25 2010.	2.45	3,33		
	8.2	Srivastava M., Grips V.K.W., Rajam K.S.; Electrodeposition of Ni-Co composites containing nano-CeO₂ and their structure, properties; <i>Applied Surface Science</i> , Volume: 257, Issue: 3, Pages: 717-722, Published: NOV 15 2010.	2.538	3,33		
2009	Citat de 3 ori in 2009 in Reviste ISI			6,66		6,66
	8.1	Schneider O., Martens S., Argirusis Chr.; Sonoelectrochemical deposition of functional composite layers; <i>ECS Transactions</i> 16 (25), pp. 107-118 (2009).	0.47	0,83		
	8.2	Krishnaveni K., Narayanan T.S.N.S., Seshadri S.K.; Corrosion resistance of electrodeposited Ni-B and Ni-B-Si₃N₄ composite coatings; <i>Journal of Alloys and Compounds</i> 480 (2), pp. 765- 770 (2009).	2.726	3,33		
	8.3	Krishnaveni K., Sankara Narayanan T.S.N., Seshadri S.K.; Wear resistance of electrodeposited Ni-B and Ni-B-Si₃N₄ composite coatings; <i>Journal of Materials Science</i> 44 (2), pp. 433-440 (2009).	1.54	2,5		
2008	Citat de 3 ori in 2008 in Reviste ISI			4,99		4,99
	8.1	Krishnaveni K., Sankara Narayanan, T.S.N., Seshadri.S.K., Electrodeposited Ni-B-Si₃N₄ composite coating : Preparation and evaluation of its characteristic properties, <i>Journal of Alloys and Compounds</i> 466 (1-2), pp. 412-420 (2008).	2.726	3,33		
	8.2	Argirusis Chr., Matic S., Schneider O., An EQCM study of ultrasonically assisted electrodeposition of Co/CeO₂ and Ni/ CeO₂ composites for fuel cell applications, <i>Physica Status Solidi (A) Applications and</i>	0.23	0,83		

		Materials 205 (10), pp. 2400 – 2404 (2008).				
	8.3	Zhou Y., Zhang H., Friction and wear resistance of the as Co-deposited Ni-CeO ₂ nanocomposite coating, Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering 37 (3), pp. 448-451 (2008).	0.10	0,83		
2007	Citat 1 data in 2007 in Reviste ISI			2,5		2,5
	8.1	G. Cârâc, A. Bund, D. Thiemig, Electrocodeposition and characterization of cobalt lanthanide oxides composite coatings, Surface and Coatings Technology Volume 202, Issue 2, 25 November 2007, Pages 403–411, http://dx.doi.org/10.1016/j.surfcoat.2007.06.005	1.49	2,5		
2006	Citat de 2 ori in 2006 in Reviste ISI			5,83		5,83
	8.1	Xue Y.-J., Jia X.-Z., Zhou Y.-W, Ma W., Li J.-S.; Tribological performance of Ni-CeO ₂ composite coatings by electrodeposition; Surface and Coatings Technology, Volume 200, Issue 20-21, May 2006, Pages 5677-5681.	1.69	2,5		
	8.2	N.S. Qu, D. Zhu, K.C. Chan; Fabrication of Ni-CeO ₂ nanocomposite by electrodeposition; Scripta Materialia, Volume 54, Issue 7, April 2006, Pages 1421-1425.	2.09	3,33		
TOTAL CITĂRI 2006 – 2016 , Article LB 8			20			

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 9	Benea L, P.L. Bonora, A. Borello, S. Martelli. Effect of SiC size dimensions on the corrosion wear resistance of the electrodeposited composite coatings; Materials and Corrosion,- Werkstoffe und Korrosion, Volume: 53, Issue: 1, Pages: 23-29 Published: JAN 2002. I.F. = 1.508 DOI: 10.1002/1521-4176(200201)53:1<23::AID-MACO23>3.0.CO;2-0.		S_k / n_i Punctaj pe citare	4	108,75
2016	Citat de 3 ori in 2016 in Reviste ISI		8,75		8,75
	9.1	Benigna Szeptycka, Anna Gajewska-Midzialek, Tomasz Babul, Electrodeposition and Corrosion Resistance of Ni-Graphene Composite Coatings, Journal of Materials Engineering and Performance, Volume 25(8), August 2016, pp 3134-3138. DOI: 10.1007/s11665-016-2009-4	1.331	3,75	
	9.2	Pradeep Tirlapur, M. Muniprakash, Meenu Srivastava, Corrosion and Wear Response of Oxide-Reinforced	1.331	3,75	

		Nickel Composite Coatings , <i>Journal of Materials Engineering and Performance</i> , Volume 25(7), July 2016, pp. 2563-2569. DOI: 10.1007/s11665-016-2117-1				
	9.3	Chen, J., Fei, J., Shi, F., Zhang, Y., Li, B., Fast electrodeposition of Al₂O₃/Ni composite coatings , <i>Corrosion Science and Protection Technology</i> (2016) Volume 28 (1), pp. 58-62. DOI: 10.11903/1002.6495.2015.049	0.06	1,25		
2015	Citat 1 data in 2015 in Reviste ISI			5,00		5,00
	9.1	R. Zhang, L. Wang, Synergistic improving of tribological properties of amorphous carbon film enhanced by F-Si-doped multilayer structure under corrosive environment , <i>Surface and Coatings Technology</i> 276 (2015) 626-635. DOI: 10.1016/j.surfcoat.2015.06.006	2.139	5,00		
2014	Citat de 2 ori in 2014 in Reviste ISI			10,00		10,00
	9.1	Kumar, M., Mitra, R. Effect of substrate bias on microstructure and properties of Ni-TiN nanocomposite thin films deposited by reactive magnetron co-sputtering . <i>Surface and Coatings Technology</i> , 2014, Volume 251, 25 July 2014, Pages 239–246. doi:10.1016/j.surfcoat.2014.04.032	2.01	5,00		
	9.2	SL Tay, C Yao, X Wei, W Chen, W Gao. Ni-Bi composite coatings produced by ionic co-discharge electrodeposition . <i>Surface and Coatings Technology</i> , 2014, Volume 260, 15 December 2014, Pages 279–283. doi:10.1016/j.surfcoat.2014.06.063	2.01	5,00		
2013	Citat 1 data in 2013 in Reviste ISI			5,00		5,00
	9.1	Ashassi-Sorkhabi, Habib, and Moosa Es. "Corrosion resistance enhancement of electroless Ni-P coating by incorporation of ultrasonically dispersed diamond nanoparticles." <i>Corrosion Science</i> 77 (2013): 185-193.	4.11	5,00		
2012	Citat de 3 ori in 2012 in Reviste ISI			7,50		7,50
	9.1	Magda, L.V. Elektrokémiai eljárások a nanotechnológiai kutatásokban. [Electrochemical processes in nanotechnology research] . <i>Korroziós Figyelo</i> , 2012, 52 (3) , pp. 60-64.	-	-		
	9.2	Hu, J., Fang, L., Zhong, P.-W., Tang, A.-Q., Yin, B., Li, Y. Preparation and properties of Ni-Co-P/nano-sized Si₃N₄ electroless composite coatings . <i>Surface and Interface Analysis</i> , 2012, 44 (4) , pp. 450- 455.	1.37	3,75		
	9.3	H.B. Lee a, D.S.Wuu,a,n, C.Y.Lee b, C.S.Lin. Synergy between corrosion and wear of electrodeposited Ni-P coating in NaCl solution . <i>Tribology International</i> 44 (2011) 1603–1609.	1.90	3,75		
2011	Citat de 8 ori in 2011 in Reviste ISI			27,5		27,5
	9.1	H. B. Lee; C. S. Lin; D. S. Wu; C. Y. Lee; Wear and Corrosion Investigation on the Electrodeposited Ni-P Coating . <i>Tribology Transactions</i> ; Volume 54, Issue 4, 2011, Pages 497 – 504. DOI: 10.1080/10402004.2011.568711	0.96	2,5		
	9.2	Kozako, H.; Sakurai, J.; Mukai, N.; Ohnuma, Y.; Takahashii, T.; Hata, S.; Corrosion resistance	3.03	5,00		

		consolidation of a diaphragm type vacuum sensor. <i>Micro Electro Mechanical Systems (MEMS)</i> , 2011 IEEE 24 th International Conference on Issue Date: 23-27 Jan. 2011. On page(s): 400 – 403. 10.1109/MEMSYS.2011.5734446.				
	9.3	Fodor, L., Micle, V.; Electrolytic deposition a perspective solution of Nanocomposites. 2011, <i>Metalurgia International</i> 16 (5), pp. 51-55.	0.12	1,25		
	9.4	Aruna, S.T., Srikanth, P.V.K., Ahamad, M.J., Latha, S., Rajam, K.S.; Optimization of the properties of electrodeposited Ni- YSZ composites using Taguchi method and regression analysis. 2011, <i>Portugaliae Electrochimica Acta</i> 29 (1), pp. 23-37.	0.77	2,5		
	9.5	Lee, H.B., Wu, D.S., Lee, C.Y., Lin, C.S., Synergy between corrosion and wear of electrodeposited NiP coating in NaCl solution. (2011) <i>Tribology International</i> 44 (12), pp. 1603-1609.	2.124	5,00		
	9.6	Bahadormanesh, B., Dolati, A., Ahmadi, M.R., Electrodeposition and characterization of Ni-Co/SiC nanocomposite coatings. (2011) <i>Journal of Alloys and Compounds</i> 509 (39), pp. 9406-9412.	2.726	5,00		
	9.7	Jia Hu ¹ , Liang Fang ^{1,2*} , Pei-Wen Zhong ¹ , An-Qiong Tang ¹ , Bo Yin ¹ , Yun Li ³ . Preparation and properties of Ni-Co-P/nano-sized Si₃N₄ electroless composite coatings. <i>Surface and Interface Analysis</i> . Article first published online: 6 SEP 2011/ DOI: 10.1002/sia.3825.	1.30	3,75		
	9.8	Çinici, H., Karacı, K., Kafkas, F., Çitak, R. Effect of electrolytic nickel coating on fatigue life of iron based powder metal parts. <i>Kovove Materialy</i> (2011) 49 (5) , pp. 355-359.	0.51	2,5		
	Citat de 3 ori in 2010 in Reviste ISI			8,75		8,75
2010	9.1	H.B. Lee, D.S.Wuu, C.Y.Lee, C.S.Lin; Wear and immersion corrosion of Ni-P electrodeposit in NaCl solution; <i>Tribology International</i> 43 (2010) 235–244.	1.95	3,75		
	9.2	Abouzar Sohrabi, Abolghasem Dolati, Mohammad Ghorbania, Aidin Monfared, Pieter Stroevec; Nanomechanical properties of functionally graded composite coatings: Electrodeposited nickel dispersions containing silicon micro- and nanoparticles; <i>Materials Chemistry and Physics</i> 121 (2010) 497–505.	2.48	5,00		
	9.3	Wu Jun-liter Xiaogang Ming Dong Chaofang ; SiC particle size on wear resistance of nickel-based composite coating and corrosion resistance. <i>China Nonferrous Metals</i> ; 2010, No. 1; p 360.	-	-		
	Citat de 2 ori in 2009 in Reviste ISI			7,50		7,50
2009	9.1	Aruna S.T., Grips V.K.W., Rajam K.S.; Ni-based electrodeposited composite coating exhibiting improved microhardness, corrosion and wear resistance properties; <i>Journal of Alloys and Compounds</i> , Volume: 468, Issue: 1-2, Pages: 546-552, Published: JAN 22 2009.	2.05	5.00		
	9.2	Zhong, Y., Dai, P., Zhou, X.; Corrosion characteristic of pulsed electrodeposition nano SiC/Ni-Co composite coating. 2009, <i>Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica</i> 26 (4), pp. 111-118.	0.51	2,50		
	Citat 1 data in 2008 in Reviste ISI			1,25		1,25
2008	9.1	Wielage, B., Lampke, T., Zacher, M., Dietrich, D.; Electroplated nickel composites with micron- To nano-sized particles. 2008, <i>Key Engineering Materials</i> 384, pp. 283-309.	0.08	1,25		

Standarde minime pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016

2007	Citat de 4 ori in 2007 in Reviste ISI			10,00		10,00
	9.1.	Srivastava M, Grips VW, Jain A, et al; Influence of SiC particle size on the structure and tribological properties of Ni-Co composites ; <i>Surface & Coatings Technology</i> , Volume: 202, Issue: 2, Pages: 310-318, Published: Nov 25 2007	2.19	5,00		
	9.2	Aruna ST, Grips VKW, Selvi VE, et al; Studies on electrodeposited nickel-yttria doped ceria composite coatings ; <i>Journal of Applied Electrochemistry</i> , Volume: 37, Issue: 9, Pages: 991-1000, Published: Sep 2007.	2.147	5,00		
	9.3	B. Sheptytska , J. Senatorial; Effect Elektroazhdennyh Nanostructured Composite Layers On The Surface Properties Of Steel Tribological Studies ; <i>Problems of mechanical engineering and automation</i> ; ISSN 0234-6206; pages 118-125.	-	-		
	9.4	Wanguai Ju Chen Miao Wu- ; Corrosion and tribological properties oNiCo / nano-SiO₂ nano composite ; <i>Northwest Normal University: Natural Science</i> ; No. 6,2007, p 360.	-	-		
2006	Citat de 4 ori in 2006 in Reviste ISI			13,75		13,75
	9.1	Lampke T., Leopold A., Dietrich D., et al; Lampke T.; Correlation between structure and corrosion behaviour of nickel dispersion coatings containing ceramic particles of different sizes ; <i>Surface & Coatings Technology</i> , Volume: 201 Issue: 6, Pages: 3510-3517 Published: DEC 4 2006.	1.61	3,75		
	9.2	Dong Y.S., Lin P.H., Wang H.; Electroplating preparation of Ni-Al₂O₃ graded composite coatings using a rotating cathode ; <i>Surface & Coatings Technology</i> , Volume: 200, Issue: 11, Pages: 3633-3636, Published: Mar 15 2006.	2.19	5,00		
	9.3	Shi L., Sun C.F., Gao P., et al; Mechanical properties and wear and corrosion resistance of electrodeposited Ni-Co/SiC nanocomposite coating ; <i>Applied Surface Science</i> ,Volume: 252, Issue: 10, Pages: 3591-3599, Published: Mar 15 2006.	2.538	5,00		
	9.4	B. Szeptycka, J. Senatorski; Tribological properties of the nanostructural electroplated composite coatings . AITC-AIT 2006. <i>International Conference on Tribology</i> . 20-22 September 2006, Parma, Italy, 10 pages.	-	-		
2005	Citat 1 data in 2005 in Reviste ISI			3,75		3,75
	9.1	Szeptycka B., Gajewska A.; Investigation of the electrochemical corrosion resistance of hybrid Ni-SiC-fluoropolymer composite coatings ; <i>Materials and Manufacturing Processes</i> , Volume: 20, Issue: 1, Pages: 23-34, Published: 2005.	1.486	3,75		
TOTAL CITĂRI 2005 – 2016 , Article LB 9				33		

	Referința bibliografică a publicației la care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB10	Articolul: <u>Benea L., Ponthiaux P., Wenger F., Galland J., Hertz D., Malo J.Y.; Tribocorrosion of stellite 6 in sulphuric acid medium: Electrochemical behaviour and wear, (2004) <i>Wear</i>, 256 (9-10), pp. 948-953. I.F. = 2.323 DOI: 10.1016/j.wear.2003.06.003</u>		S_k / n_i Punctaj pe citare	6	79,09
2015	Citat 1 dat in 2015 in Reviste ISI		3,33		3,33
10.1	Y. Liu, J.M.C. Mol, G.C.A.M. Janssen, Corrosion reduces wet abrasive wear of structural steel , <i>Scripta Materialia</i> 107 (2015) 92-95. DOI: 10.1016/j.scriptamat.2015.05.028	3.305	3,33		
2014	Citat de 4 ori in 2014 in Reviste ISI		8,32		8,32
10.1	J Geringer, DD Macdonald. Friction/fretting-corrosion mechanisms: Current trends and outlooks for implants . <i>Materials Letters</i> , 2014, Volume 134, 1 November 2014, Pages 152–157. doi:10.1016/j.matlet.2014.06.167	2.79	3,33		
10.2	M Keddam, P Ponthiaux, V Vivier. Tribo-electrochemical impedance: A new technique for mechanistic study in tribocorrosion . <i>Electrochimica Acta</i> , 2014, Volume 124, 1 April 2014, P. 3–8. doi:10.1016/j.electacta.2013.08.186	4.89	3,33		
10.3	PENG LI. Physical and wear properties of laser melting deposited composites on a TA1 alloy . <i>Kovove Materialy - Metallic Materials</i> , vol. 52 (2014), no. 4, pp. 203 - 208. DOI: 10.4149/km 2014 4 203	0.58	1,66		
10.4	THÈSE présentée par Yaqin YANG pour l'obtention du GRADE DE DOCTEUR Spécialité : Science des Matériaux Laboratoire d'accueil : Laboratoire de Génie des Procédés et Matériaux - Ecole Centrale Paris, France. Titre: Surface treated cp-titanium for biomedical applications: acombined corrosion, tribocorrosion and biological approach. soutenue le 16 octobre 2014.	-	-		
2013	Citat de 3 ori in 2013 in Reviste ISI		9,99		9,99
10.1	E.E. Demirci, E. Arslan, K.V. Ezirmik, O. Baran, Y. Totik, I. Efeoglu. Investigation of Wear, Corrosion and	2.04	3,33		

		Tribocorrosion Properties of AZ91 Mg Alloy Coated by Micro arc Oxidation Process in the Different Electrolyte Solutions. Thin Solid Films. Volume 528, 2013, Pages 116–122. Volume 528, 15 January 2013, Pages 116–122.				
	10.2	Sandra Guadalupe Maldonado, Stefano Mischler, Marco Cantoni, Walter-John Chitty, Carole Falcand, Dominique Hertz. Mechanical and chemical mechanisms in the tribocorrosion of a Stellite type alloy. Wear, Volume 308, Issues 1–2, 30 November 2013, Pages 213–221.	2.62	3,33		
	10.3	M Keddam, P Ponthiaux, V Vivier. Tribo-electrochemical impedance: A new technique for mechanistic study in tribocorrosion. , ElectrochimicaActa, Available online 19 September 2013.	4.08	3,33		
	Citat de 3 ori in 2012 in Reviste ISI			8,33		8,33
2012	10.1	Papageorgiou, N., Mischler, S. Electrochemical simulation of the current and potential response in sliding tribocorrosion. Tribology Letters 48 (3), pp. 271-283.	1.81	2,50		
	10.2	Arslan, E., Totik, Y., Efeoglu, I. The investigation of the tribocorrosion properties of DLC coatings deposited on Ti6Al4V alloys by CFUBMS. Progress in Organic Coatings, 2012, 74 (4) , pp. 768- 771.	2.12	3,33		
	10.3	E.E. Demirci, E. Arslan, K.V. Ezirmik, O. Baran, Y. Totik, I. Efeoglu. Investigation of Wear, Corrosion and Tribocorrosion Properties of AZ91 Mg Alloy Coated by Micro arc Oxidation Process in the Different Electrolyte Solutions. Thin Solid Films, Available online 7 November 2012, Pages.TSF-31209; No of Pages 7. Thin Solid Films (2012), http://dx.doi.org/10.1016/j.tsf.2012.07.145 .	1.75	2,50		
	Citat de 3 ori in 2011 in Reviste ISI			9,99		9,99
2011	10.1	Radziejewska, J.; Influence of laser-mechanical treatment on surface topography, erosive wear and contact stiffness. <i>Materials and Design</i> (2011) 32 (10), pp. 5073-5081.	3.00	3,33		
	10.2	Sun, Y., Rana, V. Tribocorrosion behaviour of AISI 304 stainless steel in 0.5 M NaCl solution. <i>Materials Chemistry and Physics</i> 129 (1-2), pp. 138-147.	2.61	3,33		
	10.3	E. Arslan, Y. Totik, I. Efeoglu. The investigation of the tribocorrosion properties of DLC coatings deposited on Ti6Al4V alloys by CFUBMS. <i>Progress in Organic Coatings</i> . doi:10.1016/j.porgcoat.2011.10.023.	2.85	3,33		
	Citat de 4 ori in 2010 in Reviste ISI			11,65		11,65
2010	10.1	Diomidis N., Celis J.P., Ponthiaux P., et al.; Tribocorrosion of stainless steel in sulfuric acid: Identification of corrosion-wear components and effect of contact area; <i>Wear</i> , Volume: 269, Issue: 1-2, Pages: 93-103, Published: May 20 2010.	2.12	3,33		
	10.2	Y. Sun, and Vipul Rana; Tribocorrosion behaviour of AISI 304 stainless steel in 0.5 M NaCl solution; <i>Materials Chemistry and Physics</i> . Volume 129, Issues 1-2, 15 September 2011, Pages 138-147	2.48	3,33		
	10.3	Cakmak E.; Tekin K.C.; Malayoglu U.; Tribocorrosion of Stellite 706 and Tribaloy 400 superalloys; <i>Tribology – Materials, Surfaces & Interfaces</i> , Volume 4, Number 1, March 2010, pp. 8-14(7).	0.96	1,66		
	10.4	Joanna Radziejewska; Influence of laser-mechanical treatment on surface topography, erosive wear and contact stiffness. <i>Materials and Design</i> (2011), doi: 10.1016/j.matdes.2011.06.035.	2.39	3,33		

2009	Citat de 2 ori in 2009 in Reviste ISI			4,99		4,99
	10.1	Diomidis N., Göçkan; Assessment of the surface state behaviour of Al71Cu10Fe9Cr10 and Al3Mg2 complex metallic alloys in sliding contacts ; <i>Intermetallics</i> 17 (11), pp. 930-937 (2009).	2.18	3,33		
	10.2	Diomidis, N., Celis, J.-P., Ponthiaux, P., Wenger, F.; A methodology for the assessment of the tribocorrosion of passivating metallic materials ; <i>Lubrication Science</i> . 21 (2), pp. 53-67 (2009).	0.79	1.66		
2008	Citat de 3 ori in 2008 in Reviste ISI			8,33		8,33
	10.1	Lu R., Minarro L., Su Y.-Y., Shemanski R.M., Failure mechanism of cemented tungsten carbide dies in wet drawing process of steel cord filament , <i>International Journal of Refractory Metals and Hard Materials</i> 26 (6), pp. 589-600 (2008).	1.38	2,50		
	10.2	Mischler S., Triboelectrochemical techniques and interpretation methods in tribocorrosion: A comparative evaluation , <i>Tribology International</i> 41 (7), pp. 573-583 (2008).	1.69	2,50		
	10.3	Krawiec H., Vignal V., Heintz O., Ponthiaux P., Wenger F., Local electrochemical studies and surface analysis on worn surfaces , <i>Journal of the Electrochemical Society</i> 155 (3), pp. C127-C130 (2008).	2.33	3,33		
2007	Citat 1 data in 2007 in Reviste ISI			0,83		0,83
	10.1	Dos Santos C.B., Holeczek H., Romankiewicz K., Zoppas Ferreira J.; Modelling surface changes during tribocorrosion tests under potentiostatic or potentiodynamic control ; <i>Galvanotechnik</i> , Vol.98 (2007), No.12, pp.2945-2951.	0.15	0,83		
2006	Citat de 5 ori in 2006 in Reviste ISI			13,33		13,33
	10.1	D. Landolt; Electrochemical and materials aspects of tribocorrosion systems ; <i>Journal of Physics D: Applied Physics</i> 2006, 39 (15), art. No. S01, pp. 3121-3127.	1.20	2,5		
	10.2	Hertz, D.; Approach to analysis of wear mechanisms in the case of RCCAs and CRDM latch arms: From observation to understanding ; <i>Wear</i> 261 (9), pp. 1024-1031 (2006).	1.53	2,5		
	10.3	Vignal V., Mary N., Ponthiaux P., Wenger F.; Influence of friction on the local mechanical and electrochemical behaviour of duplex stainless steels ; <i>Wear</i> 261 (9), pp. 947-953 (2006)	1.53	2,5		
	10.4	Celis J.-P., Ponthiaux P., Wenger F.; Tribo-corrosion of materials: Interplay between chemical, electrochemical, and mechanical reactivity of surfaces ; <i>Wear</i> 261 (9), pp. 939-946 (2006).	1.53	2,5		
	10.5	Déforge D., Huet F., Nogueira R.P., Ponthiaux P., Wenger F.; Electrochemical noise analysis of tribocorrosion processes under steady-state friction regime ; <i>Corrosion</i> . 62 (6), pp. 514-521 (2006).	3.68	3,33		
TOTAL CITĂRI 2006 – 2016 Article LB 10						29

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 11	Articolul: L. Benea , O. Mitoseriu, J. Galland, F. Wenger, P. Ponthiaux; Corrosion study of copper composite coating by impedance spectroscopy method ; <i>Mater. Corros.</i> 51 (2000) 491–495. I.F. = 1.208 DOI: 10.1002/1521-4176(200007)51:7<491::AID-MACO491>3.0.CO;2-C.		S_k / n_i Punctaj pe citare	5	26
2014	Citat 1 dată in 2014 in Reviste ISI		4,00		4,00
	11.1	Maryam Eslami Hassan Saghafian Farhad, Golestani-Fard Alain Robin. Effect of electrodeposition conditions on the properties of Cu-Si3N4 composite coatings . <i>Applied Surface Science</i> , Volume 300, 1 May 2014, Pages 129–140. http://dx.doi.org/doi:10.1016/j.apsusc.2014.02.021	3.04	4,00	
2013	Citat 1 dată in 2013 in Reviste ISI		3,00		3,00
	11.1	Ramalingam, S.; Muralidharan, V. S.; Subramania, A. Electrodeposition and characterisation of Cu-CeO2 nanocomposite coatings . <i>SURFACE ENGINEERING</i> , Volume: 29 Issue: 7 Pages: 511-515, Published: AUG 2013.	1.57	3,00	
2011	Citat 1 dată in 2011 in Reviste ISI		4,00		4,00
	11.1	Alain Robin, Júlio Cesar Pinheiro de Santana, Antonio Fernando Sartori; Co-electrodeposition and characterization of Cu-Si3N4 composite coatings . <i>Surface & Coatings Technology</i> , 205 (2011) 4596–4601.	2.28	4,00	
2010	Citat de 3 ori in 2010 in Reviste ISI		11,00		11,00
	11.1	J. Melnik, X.Z. Fu, J.L. Luo, A.R. Sanger, K.T. Chuang, Q.M. Yang; Ceria and copper/ceria functional coatings for electrochemical applications: Materials preparation and characterization ; <i>Journal of Power Sources</i> 195 (2010) 2189–2195.	4.50	4,00	
	11.2	Robin A., de Santana J.C.P., Sartori A.F.; Characterization of copper-silicon nitride composite electrocoatings ; <i>Journal of Applied Electrochemistry</i> , Volume: 40, Issue: 3, Pages: 507-513, Published: MAR 2010.	1.60	3,00	
	11.3	Alain Robin, Jorge Luiz Rosa, Messias Borges Silva; Electrodeposition and characterization of Cu-Nb composite coatings ; <i>Surface & Coatings Technology</i> , 205 (2010) 2152–2159.	2.28	4,00	

2009	Citat 1 data in 2009 in Reviste ISI			3,00		3,00
	11.1	Ramalingam S., Muralidharan V.S., Subramania A.; Electrodeposition and characterization of Cu-TiO₂ nanocomposite coatings ; <i>Journal of Solid State Electrochemistry</i> , Volume: 13, Issue: 11, Pages: 1777-1783, Published: Nov 2009.	1.72	3,00		
2007	Citat 1 data in 2007 in Reviste ISI			1,00		1,00
	11.1	Muresan L., Gherman M., Zamblau I., et al.; Corrosion behavior of electrochemically deposited Zn-TiO₂ nanocomposite coatings ; <i>Studia Universitatis Babes-Bolyai Chemia</i> , Volume: 52, Issue: 3, Pages: 97-104, Published: 2007.	0.136	1		
TOTAL CITĂRI 2007 - 2016 Article LB 11			8			

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 12	Benea L.; Electrodeposition of zirconia particles in a copper matrix; <i>Materials and Manufacturing Processes</i>, Volume: 14, Issue: 2, Pages: 231-242, Published: 1999. I.F.= 1.486 DOI: 10.1080/10426919908914820		S_k / n_i Punctaj pe citare	1	100
2016	Citat 1 data in 2016 in Reviste ISI				
	12.1	Maharana, Himanshu Sekhar (2016), Surface Modification of Copper by Electro-codeposition . PhD thesis, Department of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela. http://ethesis.nitrkl.ac.in/8400/1/2016-PhD-HSMaharana-511MM608.pdf	-	-	
2014	Citat 1 data in 2014 in Reviste ISI			20	20
	12.1	Maryam Eslami Hassan Saghafian Farhad, Golestani-Fard Alain Robin. Effect of electrodeposition conditions on the properties of Cu-Si₃N₄ composite coatings . <i>Applied Surface Science</i> , Volume 300, 1 May 2014, Pages 129–140. http://dx.doi.org/doi:10.1016/j.apsusc.2014.02.021	3.04	20	
2013	Citat 1 data in 2013 in Reviste ISI			-	-

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

	12.1	Ebru Saralođlu Güler. Electrocodeposition of molybdenum disulfide particles in nickel matrix. Thesis submitted to the Graduate School of Natural and Applied Sciences of Middle East Technical University. July 2013.	-	-		
2011	Citat de 2 ori in 2011 in Reviste ISI			35		35
	12.1	Frade T., Gomes A., Pereira M.I.D., et al.; Studies on the Stability of Zn and Zn-TiO₂ Nanocomposite Coatings Prepared by Pulse Reverse Current; <i>Journal of the Electrochemical Society</i> , Volume: 158, Issue: 3, Pages: C63-C70, Published: 2011	2.51	20		
	12.2	Udhayabanu, V., Ravi, K.R., Murugan, K., Sivaprahasam, D., Murty, B.S. Development of Ni-Al₂O₃ in-situ nanocomposite by reactive milling and spark plasma sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> (2011) 42 (7), pp. 2085- 2093.	1.70	15		
2010	Citat de 2 ori in 2010 in Reviste ISI			10		10
	12.1	Anabela Gomes, Tânia Frade, M. Isabel Da Silva Pereira, Studies on the Stability of Zn and Zn-TiO₂ Nanocomposite Coatings Prepared by Pulse Reverse Current, <i>ECS Trans. 2010 volume 28, issue 24, 13-23, doi: 10.1149/1.3496419</i>	0.44	5		
	12.2	Harald Natter, Anne Jung, Erhardt Lach, Rolf Hempelmann, Nanostructured Ni/n-Al₂O₃ Metal Matrix Composites Prepared by Pulsed Electrodeposition, <i>ECS Trans. 2010 volume 25, issue 24, 9-18, doi: 10.1149/1.3316107</i>	0.44	5		
2009	Citat 1 data in 2009 in Reviste ISI			15		15
	12.1	Jung A., Natter H., Hempelmann R., et al.; Nanocrystalline alumina dispersed in nanocrystalline nickel: enhanced mechanical properties; <i>Journal of Materials Science</i> , Volume: 44, Issue: 11, Pages: 2725-2735, Published: JUN 2009.	1.54	15		
2006	Citat 1 data in 2006 in Reviste ISI			5		5
	12.1	Zhang Z., Niu Z. X., Zhang J. Q., Cao C. N.; Electrodeposition of Ni-SiC nanocomposite coatings based on the surface charge determination of SiC nanoparticles; <i>Bulletin of Electrochemistry</i> , 2006, vol. 22, no 4, pp. 189-192.	0.18	5		
2005	Citat 1 data in 2005 in Reviste ISI			15		15
	12.1	Hu F., Chan K.C.; Deposition behaviour and morphology of Ni-SiC electro-composites under triangular waveform; <i>Applied Surface Science</i> , Volume: 243, Issue: 1-4, Pages: 251-258, Published: APR 30 2005.	1.12	15		
TOTAL CITĂRI 2005 - 2016 Article LB 12			10			

	Referința bibliografică a publicației la care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 13	Lidia Benea. Electrodeposition and tribocorrosion behaviour of ZrO₂-Ni composite coatings. <i>Journal of Applied Electrochemistry</i> , 39, 2009, 1671-1681. F.I. = 2.147 DOI: 10.1007/s10800-009-9859-5.		S_k / n_i Punctaj pe citare	1	370
2016	Citat de 6 ori in 2016 in Reviste cotate ISI		70		70
	13.1 F.Toptan, A.Rego, A.C.Alves, A.Guedes, Corrosion and tribocorrosion behaviour of Ti-B4C composite intended for orthopaedic implants , <i>Journal of the Mechanical Behavior of Biomedical Materials</i> 61 (2016) 152-163. http://dx.doi.org/10.1016/j.jmbbm.2016.01.024	3.110	20		
	13.2 Pradeep Tirlapur, M. Muniprakash, Meenu Srivastava, Corrosion and Wear Response of Oxide-Reinforced Nickel Composite Coatings , <i>Journal of Materials Engineering and Performance</i> , July 2016, Volume 25, Issue 7, pp 2563-2569. DOI: 10.1007/s11665-016-2117-1	1.331	15		
	13.3 S. M. Gorelov, T. E. Tsupak, E. G. Vinokurov, Kh. A. Nevmyatullina, O. V. Yarovaya, Preparation and Properties of Nickel-Zirconia Nanocomposite Coatings , <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, Vol. 52, No. 4, pp. 622-626. DOI: 10.1134/S2070205116040134	0.707	10		
	13.4 V. N. Tseluikin, On the Structure and Properties of Composite Electrochemical Coatings. A Review , <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, Vol. 52, No. 2, pp. 254-266. DOI: 10.1134/S2070205116010251	0.707	10		
	13.5 B-B Zhang, J-Z Wang, Y. Zhang, G-H Han, F-Y Yan, Tribocorrosion behavior of 410SS in artificial seawater: effect of applied potential , First published: 6 September 2016, <i>Materials and Corrosion</i> DOI: 10.1002/maco.201609119	1.40	15		
	13.6 Amir Sadeghi, Maximilian Sieber, Hosein Hasannejad, Ingolf Scharf, Thomas Lampke, Correlating the Layer Properties of Ni-alumina Composite Coatings and the Mechanism of Codeposition , <i>International Journal of Chemistry</i> ; Vol. 8, No. 2; 2016, pp 110-122. doi:10.5539/ijc.v8n2p110	-	-		
2015	Citat de 10 ori in 2015 in Reviste cotate ISI		150		150

**Standarde minime pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

13.1	A.M. Ribeiro, A.C. Alves, L.A. Rocha, F.S. Silva, F. Toptan, Synergism between corrosion and wear on CoCrMo-Al₂O₃ biocomposites in a physiological solution , Tribology International 91 (2015) 198-205. doi:10.1016/j.triboint.2015.01.018	2.259	20		
13.2	Manoj Kumar Tripathi, V.B. Singh, Properties of electrodeposited functional Ni-Fe/AlN nanocomposite coatings , Arabian Journal of Chemistry (2015). doi:10.1016/j.arabjc.2015.11.006	3.6	20		
13.3	Yongje Choi, Donghyun Kim, Kyungsik Son, Sanghyuk Lee, and Wonsub Chung, Effect of Added Dispersants on Diamond Particles in Ni-Diamond Composites Fabricated with Electrodeposition , Met. Mater. Int. 21(2015) 977-984. doi: 10.1007/s12540-015-5418-2	1.815	15		
13.4	D. K. Singh, M. K. Tripathi, V.B. Singh, Electrolytic Preparation of Ni-B₄C Composite Coating and its Characterization , Journal of Materials Engineering and Performance 24 (2015) 1213–1219. doi: 10.1007/s11665-015-1396-2	1.094	15		
13.5	A. Sadeghi, M. Sieber, I. Scharf, T. Lampke, Co-deposition behavior of alumina nanoparticles and properties of Ni-Al₂O₃ nanocomposite coatings , Surface and Interface Analysis 47 (2015) 738–744. doi: 10.1002/sia.5771	1.018	15		
13.6	Soroor Ghaziof, Paul A. Kilmartin, Wei Gao, Electrochemical studies of sol-enhanced Zn-Ni-Al₂O₃ composite and Zn-Ni alloy coatings , Journal of Electroanalytical Chemistry 755 (2015) 63–70. doi:10.1016/j.jelechem.2015.07.041	2.822	20		
13.7	M. M. Dardavila, S. Hamilakis, Z. Loizos, C. Kollia, Ni/ZrO₂ composite electrodeposition in the presence of coumarin: textural modifications and properties , J Appl Electrochem 45 (2015) 503–514. doi:10.1007/s10800-015-0804-5	2.409	20		
13.8	F. Toptan, L.A. Rocha, Chapter 6: Tribocorrosion in metal matrix composites (book chapter, pages 149-167), Processing Techniques and Tribological Behavior of Composite Materials, published by IGI Global, ISSN: 2327-5448.	-	-		
13.9	J. Gao, W.C. Sun, Q. Shi, Y. Wang, M.M. Tian, Microstructure, corrosion and wear resistance of Co-Ni-ZrO₂ composite coating , Materials Science Forum 817 (2015) 449-453, ISSN: 1662-9752. doi: 10.4028/www.scientific.net/MSF.817449.	0.28	5		
13.10	Masego L. Lepule, Babatunde A. Obadele, Anthony Andrews, Peter A. Olubambi, Corrosion and wear behaviour of ZrO₂ modified NiTi coatings on AISI 316 stainless steel , Surface and Coatings Technology 261 (2015) 21–27. doi:10.1016/j.surfcoat.2014.11.072	2.139	20		
2014	Citat de 4 ori in 2014 in Reviste cotate ISI:		60		60
13.1	Babatunde A. Obadele, Masego L. Lepule, Anthony Andrews, Peter A. Olubambi. Corrosion and wear behaviour of ZrO₂ modified NiTi coatings on AISI 316 stainless steel . <i>Surface and Coatings Technology</i> , Volume 261, 15 January 2015, Pages 21–27. doi: 10.1016/j.surfcoat.2014.11.072	2.139	20		

**Standarde minime pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

	13.2	Gyawali, G., Hamal, K., Joshi, B., Rajbhandari, A., Wohn Lee, S. Microstructural and electrochemical analysis of Ni-SiC composite coatings prepared in presence of additives. 2014 <i>Materials Letters</i> , 2014, Volume 126, 1 July 2014, Pages 228–231. doi:10.1016/j.matlet.2014.04.050	2.437	20		
	13.3	Tseluikin, V.N. Composite coatings modified with nanoparticles: Structure and properties. 2014, <i>Nanotechnologies in Russia</i> , January 2014, Volume 9, Issue 1-2, pp 1-14. DOI: 10.1134/S1995078014010145.	0.58	10		
	13.4	Chunmei Zhao, Yingwu Yao. Influence of tungsten carbide nanoparticles on corrosion resistance properties of electroless nickel–phosphorus coatings. <i>Anti-Corrosion Methods and Materials</i> , Volume 61, Issue 5, pp.314 - 318. 1 august 2014. http://dx.doi.org/10.1108/ACMM-05-2013-1263	0.52	10		
	Citat de 3 ori in articole ISI in 2013			30		30
2013	13.1	Demirci, E.E., Arslan, E., Ezirmik, K.V., Baran, Ö., Totik, Y., Efeoglu, I. Investigation of wear, corrosion and tribocorrosion properties of AZ91 Mg alloy coated by micro arc oxidation process in the different electrolyte solutions. <i>Thin Solid Films</i> . volume 528, issue , year 2013, pp. 116 – 122.	1.761	15		
	13.2	Jeerapan Tientong, Casey R. Thurber, Nandika D'Souza, Adel Mohamed, and Teresa D. Golden. Influence of Bath Composition at Acidic pH on Electrodeposition of Nickel-Layered Silicate Nanocomposites for Corrosion Protection. <i>International Journal of Electrochemistry</i> , Volume 2013 (2013), Article ID 853869, 8 pages. http://dx.doi.org/10.1155/2013/853869	-	-		
	13.3	Gobinda Gyawali, Rajesh Adhikari, Hyung Suk Kim, Hong-Baek Cho, and Soo Wahn Lee. Effect of h-BN Nanosheets Codeposition on Electrochemical Corrosion Behavior of Electrodeposited Nickel Composite Coatings Corrosion Science and Technology. <i>ECS Electrochemistry Letters</i> . 2013 2(3): C7-C10. doi:10.1149/2.003303eel .	1.789	15		
	Citat de 2 ori in 2012 in Reviste ISI			40		40
2012	13.1	Arslan, E., Totik, Y., Efeoglu, I. The investigation of the tribocorrosion properties of DLC coatings deposited on Ti6Al4V alloys by CFUBMS. <i>Progress in Organic Coatings</i> , 2012, 74 (4) , pp. 768-771	2.632	20		
	13.2	Zielińska, K., Stankiewicz, A., Szczygieł, I. Electroless deposition of Ni-P-nano-ZrO2 composite coatings in the presence of various types of surfactants. <i>Journal of Colloid and Interface Science</i> , 2012, 377 (1) , pp. 362-367.	3.782	20		
	Citat de 2 ori in 2011 in Reviste ISI			20		20
2011	13.1	A. Samide* and B. Tutunaru. Study of the Corrosion Resistance of Ni/CeO2 Composite Coatings Electrodeposited on Carbon Steel in Hydrochloric Acid. <i>Chem. Biochem. Eng. Q.</i> 25 (2) 203–208 (2011).	0.76	10		
	13.2	Bełtowska-Lehman, E., Góral, A., Indyka, P. Electrodeposition and characterization of Ni/Al 2O 3 nanocomposite coatings. <i>Archives of Metallurgy and Materials</i> 56 (4), pp. 919-931.	0.763	10		

TOTAL CITĂRI 2011 - 2016 Article LB 13

27

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 14	L Benea, E Danaila, P Ponthiaux, Effect of titania anodic formation and hydroxyapatite electrodeposition on electrochemical behaviour of Ti-6Al-4V alloy under fretting conditions for biomedical applications , <i>Corrosion Science</i> (2015) 91, 262-271. F.I. = 5.154 doi:10.1016/j.corsci.2014.11.026		S_k / n_i Punctaj pe citare	3	88.28
2016	Citat de 10 ori in 2016 in Reviste ISI		61.62		61.62
14.1	W.Q. Bai, L.L. Li, Y.J. Xie, D.G. Liu, X.L. Wang, G. Jin, J.P. Tu, Corrosion and tribocorrosion performance of M (M=Ta, Ti) doped amorphous carbon multilayers in Hank's solution , <i>Surface & Coatings Technology</i> 305 (2016) 11–22. http://dx.doi.org/10.1016/j.surfcoat.2016.07.078	2.589	6,66		
14.2	Nianwei Dai, Lai-Chang Zhang, Junxi Zhang, Xin Zhang, Qingzhao Ni, Yang Chen, Maoliang Wu, Chao Yang, Distinction in corrosion resistance of selective laser melted Ti-6Al-4V alloy on different planes , <i>Corrosion Science</i> 111 (2016) 703–710. http://dx.doi.org/10.1016/j.corsci.2016.06.009	5.245	10.00		
14.3	Xian Zhang, Gui-yong Xiao, Bing Liu, Cong-cong Jiang, Ning-bo Li, Yu-peng Lu, The formation of hydroxyapatite layer onto hopeite coating on stainless steel substrate , <i>Corrosion Science</i> 111 (2016) 216–229. http://dx.doi.org/10.1016/j.corsci.2016.05.012	5.245	10.00		
14.4	W.P.S.L. Wijesinghe, M.M.M.G.P.G. Mantilaka, K.G. Chathuranga Senarathna, H.M.T.U. Herath, T.N. Premachandra, C.S.K. Ranasinghe, R.P.V.J. Rajapakse, R.M.G. Rajapakse, Mohan Edirisinghe, S. Mahalingam, I.M.C.C.D. Bandara, Sanjleena Singh, Preparation of bone-implants by coating hydroxyapatite nanoparticles on self-formed titanium dioxide thin-layers on titanium metal surfaces , <i>Materials Science and Engineering C</i> 63 (2016) 172–184. http://dx.doi.org/10.1016/j.msec.2016.02.053	4.164	6,66		
14.5	Amany M. Fekry, Electrochemical behavior of a novel nano-composite coat on Ti alloy in phosphate buffer	3.108	6,66		

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

		solution for biomedical applications, <i>RSC Adv.</i> , 2016,6, 20276-20285. DOI: 10.1039/C6RA01064D			
	14.6	A. Boucheham, A. Karaali, M. Berouaken, Y. Larbah, Anodized Nanoporous Titania Thin Films for Dental Application: Structure' Effect on Corrosion Behavior , <i>Journal of Nano- and Electronic Physics</i> , Vol. 8 No 2, 02028(6pp) (2016). DOI: 10.21272/jnep.8(2).02028	0.29	1,66	
	14.7	Tapeanu, D., Cojocaru, A., Zamfir Andronic, R.I., Bane, M., Ciuca, S., Comparative tests on corrosion resistance of some titanium-hydroxyapatite based nanocomposites , <i>UPB Scientific Bulletin, Series B: Chemistry and Materials Science</i> , 2016, 78 (2), pp. 185-194.	0.31	1,66	
	14.8	F. U. Rehman, C. Zhao, H. Jiang, X. Wang, Biomedical applications of nano-titania in theranostics and photodynamic therapy , <i>Biomater. Sci.</i> , 2016, 4, 40. DOI: 10.1039/c5bm00332f	4.210	6,66	
	14.9	Bhavana Rikhari,S. Pugal Mania, N. Rajendran, Investigation of corrosion behavior of polypyrrole-coated Ti using dynamic electrochemical impedance spectroscopy (DEIS) , <i>RSC Adv.</i> , 2016,6, 80275-80285 DOI: 10.1039/C6RA09100H	3.108	6,66	
	14.10	T-L Fu, Z-L Zhan, L. Zhang, Y-R Yang, Z Liu, J-X Liu, Corrosion behaviors of low-temperature plasma nickelized coatings on titanium alloy , <i>Materials and Corrosion</i> , 2016, Volume 67, Issue 12, pp. 1321-1328. DOI: 10.1002/maco.201609052	1.40	5,00	
	Citat de 3 ori in 2015 in Reviste ISI			26.66	26.66
2015	14.1	B. Ya, B. Zhou, H. Yang, B. Huang, F. Jia, X. Zhang, Microstructure and mechanical properties of in situ casting TiC/Ti6Al4V composites through adding multi-walled carbon nanotubes , <i>Journal of Alloys and Compounds</i> 637 (2015) 456-460. DOI: 10.1016/j.jallcom.2015.03.044	3.014	6,66	
	14.2	H. Krawiec , V. Vignal , J. Loch , P. Erazmus-Vignal, Influence of plastic deformation on the microstructure and corrosion behaviour of Ti-10Mo-4Zr and Ti-6Al-4V alloys in the Ringer's solution at 37 °C , <i>Corrosion Science</i> 96 (2015) 160-170. doi:10.1016/j.corsci.2015.04.006	5.154	10.00	
	14.3	C. Su, W. Wu, Z. Li, Y. Guo, Prediction of film performance by electrochemical impedance spectroscopy , <i>Corrosion Science</i> 99 (2015) 42-52, DOI: 10.1016/j.corsci.2015.05.029	5.154	10.00	
TOTAL CITĂRI 2015-2016 Article LB 14			13		

Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
---	----------------	--------------	-------	----------------------------

		Factor		
LB 15	Lidia Benea, Sorin-Bogdan Basa, Eliza Danaila, Nadège Caron, Olivier Raquet, Pierre Ponthiaux, Jean-Pierre Celis, Fretting and wear behaviors of Ni/nano-WC composite coatings in dry and wet conditions , <i>Materials and Design</i> 65 (2015) 550–558. F.I. = 3.997 doi:10.1016/j.matdes.2014.09.050		S _k / n _i Punctaj pe citare	7 57,0979
2016	Citat de 17 ori in 2016 in Reviste ISI		37,8579	37,8579
15.1	Selvakumar N, Malkiya Rasalin Prince R, Microstructure, surface topography and sliding wear behaviour of titanium based coating on AISI 1040 steel by magnetron sputtering , <i>Archives of Civil and Mechanical Engineering</i> , Available online 25 November 2016. http://dx.doi.org/10.1016/j.acme.2016.10.005	2.216	2,8572	
15.2	Ze Chai, Chuanhai Jiang, Yuantao Zhao, Chengxi Wang, Kaiyuan Zhu, Fei Cai, Microstructural characterization and corrosion behaviors of Ni-Cu-Co coatings electrodeposited in sulphate-citrate bath with additives , <i>Surface & Coatings Technology</i> 307 (2016) 817–824. http://dx.doi.org/10.1016/j.surfcoat.2016.10.009	2.589	2,8572	
15.3	Xuebing Zhao, Ji Zhang, Sha Liu, Changchun Zhao, Caixia Wang, Xuejun Ren, Qingxiang Yang, Investigation on grain refinement mechanism of Ni-based coating with LaAlO₃ by first-principles , <i>Materials and Design</i> 110 (2016) 644–652. http://dx.doi.org/10.1016/j.matdes.2016.08.040	4.364	2,8572	
15.4	Zhikun Weng, Aihua Wang, Xuhao Wu, Yuying Wang, Zhixiang Yang, Wear resistance of diode laser-clad Ni/WC composite coatings at different temperatures , <i>Surface & Coatings Technology</i> 304 (2016) 283–292. http://dx.doi.org/10.1016/j.surfcoat.2016.06.081	2.589	2,8572	
15.5	L. Xin, B.B. Yang, Z.H. Wang, J. Li, Y.H. Lu, T. Shoji, Microstructural evolution of subsurface on Inconel 690TT alloy subjected to fretting wear at elevated temperature , <i>Materials and Design</i> 104 (2016) 152–161. http://dx.doi.org/10.1016/j.matdes.2016.05.030	4.364	2,8572	
15.6	Vladimir Totolin, Vladimir Pejaković, Thomas Csanyi, Oliver Hekele, Martin Huber, Manel Rodríguez Ripio, Surface engineering of Ti6Al4V surfaces for enhanced tribocorrosion performance in artificial seawater , <i>Materials and Design</i> 104 (2016) 10–18. http://dx.doi.org/10.1016/j.matdes.2016.04.080	4.364	2,8572	
15.7	Shou-Ming Yu, Dao-Xin Liu, Xiao-Hua Zhang, Cheng-Song Liu, A Comparison Study of Wear and Fretting Fatigue Behavior Between Cr-alloyed Layer and Cr-Ti Solid-solution Layer , <i>Acta Metall. Sin. (Engl. Lett.)</i> , 2016, 29(8), 782–792. DOI 10.1007/s40195-016-0449-3	1.292	2,1429	
15.8	LUO Jun, CAI Zhenbing, MO Jiliang, PENG Jinfang, ZHU Minhao, Friction and Wear Properties of High-	0.814	1,4286	

		velocity Oxygen Fuel Sprayed WC-17Co Coating under Rotational Fretting Conditions, <i>Chinese Journal of Mechanical Engineering</i> , Vol. 29, No. 3, 2016, pp. 515-521. DOI: 10.3901/CJME.2016.0307.026			
15.9		Bao-hui Guo, Zhen-ya Wang, Hai-long Li, Study on the Friction and Wear Behavior of a TA15 Alloy and Its Ni-SiC Composite Coating , <i>Journal of Materials Engineering and Performance</i> (2016) 25:1763–1772. DOI: 10.1007/s11665-016-2018-3	1.331	2,1429	
15.10		Long Xin, ZiHaoWang, Jie Li, Yonghao Lu, Tetsuo Shoji, Microstructural characterization of subsurface caused by fretting wear of Inconel 690TT alloy , <i>Materials Characterization</i> 115 (2016) 32–38. http://dx.doi.org/10.1016/j.matchar.2016.03.010	2.714	2,8572	
15.11		WEI Songbo, PEI Xiaohan, SHI Bairu, SHAO Tianmin, LI Tao, LI Yiliang, XIE Yi, Wear resistance and anti-friction of expansion cone with hard coating , <i>Petroleum Exploration and Development</i> , Volume 43, Issue 2, April 2016, pp. 326-331	2.77	2,8572	
15.12		Songbo Wei, Xiaohan Pei, Bairu Shi, Yi Xie, Tianmin Shao, Hongfei Shang, Friction performance of WC-Co coating with lithium grease and water lubrication , <i>International Journal of Surface Science and Engineering</i> , 2016, volume 10 (3), pp. 272-281. http://dx.doi.org/10.1504/IJSURFSE.2016.076998	0.38	0,7143	
15.13		Rizwan Sarwar Bajwa, Zulfiqar Khan, Vasilios Bakolas, Wolfgang Braun, Water-Lubricated Ni-Based Composite (Ni-Al₂O₃, Ni-SiC and Ni-ZrO₂) Thin Film Coatings for Industrial Applications , <i>Acta Metall. Sin. (Engl. Lett.)</i> , 2016, 29(1), 8–16. DOI 10.1007/s40195-015-0354-1	1.292	2,1429	
15.14		V. Torabinejad, M. Aliofkhaezraei, A. Sabour Rouhaghdam, M. H. Allahyarzadeh, Ni-Fe-Mn-(nano)Al₂O₃ Coating with Modulated Composition and Grain Size , <i>Trans Indian Inst Met</i> , DOI 10.1007/s12666-016-0913-9	0.533	1,4286	
15.15		Haibin Wang, Tao Yang, Xiaoyan Song, Xuemei Liu, XuezhengWang, Xu Wu, Wear resistance enhancement of bimodal-grained cemented carbide coating , Article in press 2016, <i>Surface & Coatings Technology</i> . http://dx.doi.org/10.1016/j.surfcoat.2016.10.090	2.589	2,8572	
15.16		Chun-Hua Zhang, Chen-Liang Wu, Song Zhang, Yong-Feng Jia, Meng Guan, Jun-Zhe Tan, Bin Lin, Laser cladding of NiCrSiB on Monel 400 to enhance cavitation erosion and corrosion resistance , <i>Rare Metals</i> , 2016. DOI 10.1007/s12598-016-0814-4	1.189	2,1429	
15.17		Jonathan Molina Claros, Efecto de la adici3n de nanoparticulas de carburo de tungsteno en la microestructura y resistencia al desgaste de un recubrimiento base niquel obtenido mediante el proceso de plasma transferido por arco (PTA) , Tesis, Noviembre de 2016, Saltillo, Coahuila, M3xico. https://comimsa.repositorioinstitucional.mx/jspui/handle/1022/29	-	-	
2015		Citat de 7 ori in 2015 in Reviste ISI		19,24	19,24
15.1		Y. Zhao, C. Jiang, Z. Xu, F. Cai, Z. Zhang, P. Fu, Microstructure and corrosion behavior of Ti nanoparticles reinforced Ni-Ti composite coatings by electrodeposition , <i>Materials and Design</i> 85 (2015) 39-46, DOI: 10.1016/j.matdes.2015.06.144	3.997	2,85	

**Standarde minime pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

15.2	X.-T. Luo, C.-J. Li, Large sized cubic BN reinforced nanocomposite with improved abrasive wear resistance deposited by cold spray , <i>Materials and Design</i> 83 (2015) 249-256, DOI: 10.1016/j.matdes.2015.06.009	3.997	2,85		
15.3	S. Zohari, Z. Sadeghian, B. Lotfi, C. Broeckmann, Application of spark plasma sintering (SPS) for the fabrication of in situ Ni-TiC nanocomposite clad layer , <i>Journal of Alloys and Compounds</i> 633 (2015) 479-483, DOI: 10.1016/j.jallcom.2015.01.276	3.014	2,85		
15.4	M. Kartal, M. Uysal, H. Gul, A. Alp, H. Akbulut, Effect of surfactant concentration in the electrolyte on the tribological properties of nickel-tungsten carbide composite coatings produced by pulse electro co-deposition , <i>Applied Surface Science</i> 354 1 (2015) 328-336, DOI: 10.1016/j.apsusc.2015.06.023	3.150	2,85		
15.5	P. Farahmand, R. Kovacevic, Corrosion and wear behavior of laser clad Ni-WC coatings , <i>Surface and Coatings Technology</i> 276 (2015) 121-135, DOI: 10.1016/j.surfcoat.2015.06.039	2.139	2,85		
15.6	Rizwan Sarwar, Zulfiqar Khan, Vasilios Bakolas, Wolfgang Braun, Water-Lubricated Ni-Based Composite (Ni-Al₂O₃, Ni-SiC and Ni-ZrO₂) Thin Film Coatings for Industrial Applications , <i>Acta Metallurgica Sinica</i> (2015) 1-9, DOI: 10.1007/s40195-015-0354-1	1.188	2,14		
15.7	By: Luo, Xiao-Tao; Li, Chang-Jiu. Large sized cubic BN reinforced nanocomposite with improved abrasive wear resistance deposited by cold spray . <i>MATERIALS & DESIGN</i> , Volume: 83, Pages: 249-256. Published: OCT 15 2015. DOI: 10.1016/j.matdes.2015.06.009	3.997	2,85		
TOTAL CITĂRI 2015-2016 Article LB 15		24			

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 16	L Benea, E Danaila, JP Celis. Influence of electro-co-deposition parameters on nano-TiO₂ inclusion into nickel matrix and properties characterization of nanocomposite coatings obtained . <i>Materials Science and Engineering: A</i> , 2014, 610, 106-115. F.I. = 2.647 http://dx.doi.org/10.1016/j.msea.2014.05.028		S_k / n_i Punctaj pe citare	3	56,62

2016	Citat de 4 ori in 2016 in Reviste ISI			19,98		19,98
	16.1	Annomitra Chatterjee, Garima Sharma, Jalaj Varshney, S. Neogy, R.N. Singh, Comparative study of mechanical properties of pure nanocrystalline Ni and Ni-Tf nanocomposite , <i>Materials Science & Engineering A</i> , Available online 10 December 2016. http://dx.doi.org/10.1016/j.msea.2016.12.052	3.094	6,66		
	16.2	Zahra Shafiee, Mohammad Ebrahim Bahrololoom, Babak Hashemi, Electrodeposition of nanocrystalline Ni/Ni-Al₂O₃ nanocomposite modulated multilayer coatings , <i>Materials and Design</i> 108 (2016) 19–26. http://dx.doi.org/10.1016/j.matdes.2016.06.018	4.364	6,66		
	16.3	Yihao Wang, Lida Shen, Mingbo Qiu, Zongjun Tian, Xia Liu, Wei Zhuo, Jet Electrodeposition of Ni-SiO₂ Nanocomposite Coatings with Online Friction and Its Performance , <i>Journal of The Electrochemical Society</i> , 163 (10) D579-D584 (2016). DOI: 10.1149/2.0241610jes	2.76	6,66		
	16.4	Isil Birlik, N. Funda Ak Azem, Mustafa Toparli, Erdal Celik, Tulay Koc Delice, Sidika Yildirim, Onur Bardakcioglu, Tuncay Dikici, Preparation and characterization of Ni-TiO₂ nanocomposite coatings produced by electrodeposition technique , <i>Frontiers in Materials</i> , October 2016, Volume 3, Article 46, 7 pp. doi: 10.3389/fmats.2016.00046	-	-		
2015	Citat de 7 ori in 2015 in Reviste ISI			29,98		29,98
	16.1	X. Li, Y. Gu, T. Shi, D. Peng, M. Tang, Q. Zhang, X. Huang, Preparation of the Multi-Walled Carbon Nanotubes/Nickel Composite Coating with Superior Wear and Corrosion Resistance , <i>Journal of Materials Engineering and Performance</i> 24 (2015) 4656-4663, DOI: 10.1007/s11665-015-1771-z	1.094	5,00		
	16.2	M. Islam, M.R. Azhar, N. Fredj, T.D. Burleigh, O.R. Oloyede, A.A. Almajid, S. Ismat Shah, Influence of SiO₂ nanoparticles on hardness and corrosion resistance of electroless Ni-P coatings , <i>Surface and Coatings Technology</i> 261 (2015) 141-148, DOI: 10.1016/j.surfcoat.2014.11.044	2.139	6,66		
	16.3	T. Arakawa, N. Watanabe, Y. Hajjima, A. Matsumura, I. Koiwa, Ti-Ni-O Reactive nanocomposite electrodeposition using Ti nanoparticles and annealing , <i>Bulletin of the Chemical Society of Japan</i> 88 (2015) 1128-1134, DOI: 10.1246/bcsj.20150099	1.372	5,00		
	16.4	Edvard Wilhelms, Fères Dehchar, Richard Jordberg, Martin Kjellberg, Johan Stjärnesund, Per Söderbäck, Electrochemical deposition of multi- and single layer coatings: A study of hardness, wear and corrosion resistance for different electrodeposited , Bachelor Thesis, 2015, UPPSALA Universitet, ISSN: 1401-5773, http://www.diva-portal.org/smash/get/diva2:827422/FULLTEXT01.pdf	-	-		
	16.5	Anna Góral, Wojciech Żórawski, Charakterystyka mikrostruktury powłok Ni-Al₂O₃ natryskanych zimnym gazem , <i>Przegląd spawalnictwa-Welding Technology review</i> 87 (2015) ISSN: 2449-7959.	-	-		
	16.6	Chang-Wei Su, Yang Bai, Mengchao Ye, Jianping Hou, Yan Wang, Junming Guo, Adsorption of anions on micro SiC and their effect on Ni-W/SiC composite electrodeposition , <i>Surface and Coatings Technology</i> ,	2.139	6,66		

	Manuscript Number: SURFCOAT-D-15-02592.				
16.7	Mohammad Islam, Muhammad Rizwan Azhar, Narjes Fredj, T. David Burleigh, Olamilekan R. Oloyede, Abdulhakim A. Almajid, S. Ismat Shah Influence of SiO₂ nanoparticles on hardness and corrosion resistance of electroless Ni-P coatings . SURFACE & COATINGS TECHNOLOGY. Volume: 261, Pages: 141-148, Published: JAN 15 2015. doi:10.1016/j.surfcoat.2014.11.044	2.139	6,66		
2014	Citat 1 data in 2014 in Reviste ISI		6,66		6,66
	16.1 Mohammad Islam, Muhammad Rizwan Azhar, Narjes Fredj, T. David Burleigh, Olamilekan R. Oloyede, Abdulhakim A. Almajid, S. Ismat Shah, Influence of SiO₂ nanoparticles on hardness and corrosion resistance of electroless Ni-P coatings . Surface and Coatings Technology, 2014, Volume 261, 15 January 2015, Pages 141–148. Available online November 2014. http://dx.doi.org/10.1016/j.surfcoat.2014.11.044	2.59	6,66		
TOTAL CITĂRI 2014 - 2016 Article LB 16			12		

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 17	L Benea, E Mardare-Danaila, M Mardare, JP Celis. Preparation of titanium oxide and hydroxyapatite on Ti-6Al-4V alloy surface and electrochemical behaviour in bio-simulated fluid solution . <i>Corrosion Science</i> (2014) 80, 331-338. F.I. = 5.154 DOI: http://dx.doi.org/10.1016/j.corsci.2013.11.059		S_k / n_i Punctaj pe citare	4	115
2016	Citat de 12 ori in 2016 in Reviste ISI		47.5		47.5
	17.1 Yanxian Zhang, Chaofang Dong, Sefei Yang, Junsheng Wu, Kui Xiao, Yunhua Huang, Xiaogang Li, Alkalescent nanotube films on a titanium-based implant: A novel approach to enhance biocompatibility , <i>Materials Science and Engineering C</i> , Available online 28 November 2016. http://dx.doi.org/10.1016/j.msec.2016.11.096	4.164	5,00		
	17.2 Nianwei Dai, Lai-Chang Zhang, Junxi Zhang, Xin Zhang, Qingzhao Ni, Yang Chen, Maoliang Wu, Chao Yang, Distinction in corrosion resistance of selective laser melted Ti-6Al-4V alloy on different planes , <i>Corrosion</i>	5.245	7.5		

	Science 111 (2016) 703–710. http://dx.doi.org/10.1016/j.corsci.2016.06.009				
17.3	Michał Stępień, Piotr Handzlik, Krzysztof Fitzner, Electrochemical synthesis of oxide nanotubes on Ti6Al7Nb alloy and their interaction with the simulated body fluid , <i>J Solid State Electrochem</i> (2016) 20:2651–2661. DOI 10.1007/s10008-016-3258-8	2.316	5,00		
17.4	Jisoo Kim, Woo Jin Lee, Hyung Wook Park, Mechanical properties and corrosion behavior of the nitriding surface layer of Ti6Al7Nb using large pulsed electron beam (LPEB) , <i>Journal of Alloys and Compounds</i> 679 (2016) 138-148. http://dx.doi.org/10.1016/j.jallcom.2016.04.060	3.133	5,00		
17.5	Fojt, J., Hybasek, V., Joska, L., Electrochemical behaviour of the nanostructured surface of Ti-35Nb-2Zr alloy for biomedical applications , <i>Materials and Corrosion</i> , 2016, Volume 67 (9), pp. 915-920. DOI: 10.1002/maco.201508766	1.40	3,75		
17.6	Zhe Wang, Chaofang Dong, Sefei Yang, Dawei Zhang, Kui Xiao, Xiaogang Li, Facile incorporation of hydroxyapatite onto an anodized Ti surface via mussel inspired polydopamine coating , <i>Applied Surface Science</i> 378 (2016) 496–503. http://dx.doi.org/10.1016/j.apsusc.2016.03.094	3.387	5,00		
17.7	Oana Fufă, Ecaterina Andronescu, Alexandru Mihai Grumezescu, Dragoș Rădulescu, Chapter 13 – Metallic nanosystems in hard tissue implants , Book: Nanobiomaterials in Hard Tissue Engineering Applications of Nanobiomaterials Volume 4, 2016, Pages 381–412. http://dx.doi.org/10.1016/B978-0-323-42862-0.00013-4	-	-		
17.8	Shahab Ahmadi, Iman Mohammadi, S.K. Sadrnezhad, Hydroxyapatite based and anodic Titania nanotube biocomposite coatings: Fabrication, characterization and electrochemical behavior , <i>Surface & Coatings Technology</i> 287 (2016) 67–75. http://dx.doi.org/10.1016/j.surfcoat.2015.12.062	2.589	5,00		
17.9	Thamara Beline, Camila S. Garcia, Erika S. Ogawa, Isabella S.V. Marques, Adaias O.Matos, Cortino Sukotjo, Mathew T. Mathew, Marcelo F. Mesquita, Rafael X. Consani, Valentim A.R. Barão, Surface treatment influences electrochemical stability of cpTi exposed to mouthwashes , <i>Materials Science and Engineering C</i> 59 (2016) 1079–1088. http://dx.doi.org/10.1016/j.msec.2015.11.045	4.164	5,00		
17.10	A. Boucheham, A. Karaali, M. Berouaken, Y. Larbah, Anodized Nanoporous Titania Thin Films for Dental Application: Structure' Effect on Corrosion Behavior , <i>Journal of Nano- and Electronic Phisics</i> , Vol. 8 No 2, 02028(6pp) (2016). DOI: 10.21272/jnep.8(2).02028	0.29	1,25		
17.11	Gogoi, S., Kumar, M., Mandal, B.B., Karak, N., A renewable resource based carbon dot decorated hydroxyapatite nanohybrid and its fabrication with waterborne hyperbranched polyurethane for bone tissue engineering , 2016, <i>RSC Advances</i> , 6 (31), pp. 26066-26076. DOI: 10.1039/C6RA02341J	3.108	5,00		
17.12	Aarón Augusto del Angel Hernández, Estudio del mecanismo de crecimiento de las películas de TiO₂-CeO₂ sobre la aleación de Ti6Al4V a partir de tratamientos térmicos y químicos , Tesis, August 2016, Instituto politecnico Nacional, Altamira.	-	-		

	http://tesis.ipn.mx:8080/xmlui/handle/123456789/18620				
2015	Citat de 7 ori in 2015 in Reviste ISI			38,75	38,75
	17.1	C. Vasilescu, S.I. Drob , J.M. Calderon Moreno, P. Osiceanu, M. Popa, E. Vasilescu, M. Marcu, P. Drob, Long-term corrosion resistance of new Ti-Ta-Zr alloy in simulated physiological fluids by electrochemical and surface analysis methods , Corrosion Science 93 (2015) 310–323. doi:10.1016/j.corsci.2015.01.038	5.154	7,5	
	17.2	Yong-Shui Yu , Lan-Sheng Xie, Ming-He Chen, NingWang, Hui Wang, Surface characteristics and adhesive strength to epoxy of three different types of titanium alloys anodized in NaTESi electrolyte , Surface & Coatings Technology 280 (2015) 122–128. doi:10.1016/j.surfcoat.2015.09.010	2.139	5,00	
	17.3	H. Krawiec , V. Vignal , J. Loch , P. Erazmus-Vignal, Influence of plastic deformation on the microstructure and corrosion behaviour of Ti-10Mo-4Zr and Ti-6Al-4V alloys in the Ringer's solution at 37 °C , Corrosion Science 96 (2015) 160–170. doi:10.1016/j.corsci.2015.04.006	5.154	7,5	
	17.4	Isabella da Silva Vieira Marquesa, Valentim Adelino Ricardo Barão, Nilson Cristino da Cruz, Judy Chia-Chun Yuanc, Marcelo Ferraz Mesquita, Antonio Pedro Ricomini-Filho, Cortino Sukotjoc, Mathew T. Mathew, Electrochemical behavior of bioactive coatings on cp-Ti surface for dental application , Corrosion Science 100 (2015) 133–146. doi: 10.1016/j.corsci.2015.07.019	5.154	7,5	
	17.5	M. Łępicka, M. Grądzka-Dahlke, A. Sobolewski, The effect of anodizing conditions on the corrosion resistance of Ti6Al4V titanium alloy , Materialpruefung/Materials Testing 57 (2015) 393-397, ISSN: 00255300.	0.27	1,25	
	17.6	A.M. Khorasani, M. Goldberg, E.H. Doeven, G. Littlefair, Titanium in biomedical applications—properties and fabrication: A review , Journal of Biomaterials and Tissue Engineering 5 (2015) 593-619. DOI: 10.1166/jbt.2015.1361	2.066	5,00	
	17.7	Beline, T (Beline, Thamara); Garcia, CS (Garcia, Camila S.); Ogawa, ES (Ogawa, Erika S.); Marques, ISV (Marques, Isabella S. V.); Matos, AO (Matos, Adaias O.); Sukotjo, C (Sukotjo, Cortino); Mathew, MT (Mathew, Mathew T.); Mesquita, MF (Mesquita, Marcelo F.); Consani, RX (Consani, Rafael X.); Barao, VAR (Barao, Valentim A. R.), Surface treatment influences electrochemical stability of cpTi exposed to mouthwashes . MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, Volume: 59 , Pages: 1079-1088. DOI: 10.1016/j.msec.2015.11.045	3.420	5,00	
2014	Citat de 7 ori in 2014 in Reviste ISI			28,75	28,75
	17.1	Vasilescu, C., Popa, M., Drob, S.I., Osiceanu, P., Anastasescu, M., Calderon Moreno, J.M. Deposition and characterization of bioactive ceramic hydroxyapatite coating on surface of Ti-15Zr-5Nb alloy . <i>Ceramics International</i> , volume 40, issue 9 PART B, year 2014, pp. 14973 - 14982. doi:10.1016/j.ceramint.2014.06.096	2.88	5,00	
	17.2	Yajing Yan, Xuejiao Zhang, Yong Huang, Qiongqiong Ding, Xiaofeng Pang. Antibacterial and bioactivity of	3.04	5,00	

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

		silver substituted hydroxyapatite/TiO₂ nanotube composite coatings on titanium. <i>Applied Surface Science</i> , Volume 314, 30 September 2014, Pages 348–357. doi:10.1016/j.apsusc.2014.07.027				
17.3		Yajing Yan, Qiongqiong Ding, Yong Huang, Shuguang Han, Xiaofeng Pang, Magnesium substituted hydroxyapatite coating on titanium with nanotubular TiO₂ intermediate layer via electrochemical deposition. <i>Applied Surface Science</i> , 305 (2014) 77–85. http://dx.doi.org/10.1016/j.apsusc.2014.02.163	3.04	5,00		
17.4		Alicja Kazek-Kesik, Małgorzata Krok-Borkowicz, El'zbieta Pamuła, Wojciech Simka. Electrochemical and biological characterization of coatings formed on Ti- 15Mo alloy by plasma electrolytic oxidation. <i>Materials Science & Engineering C</i> Volume 43, 1 October 2014, Pages 172–181. doi: 10.1016/j.msec.2014.07.021	3.55	5,00		
17.5		A. Zieliński; P. Antoniuk; K. Krzysztofowicz. Nanotubular oxide layers and hydroxyapatite coatings on 'Ti-13Zr-13Nb' alloy. <i>Surface Engineering</i> , Volume 30, Issue 9 (September 2014), pp. 643-649. DOI: http://dx.doi.org/10.1179/1743294414Y.0000000302	1.33	3,75		
17.6		Jia, L., Liang, C., Huang, N., Duan, F., Wang, L., Formation of Hydroxyapatite produced by Microarc oxidation coupled with sol-gel technology. <i>Materials and Manufacturing Processes</i> , Volume 29, Issue 9, 2 September 2014, Pages 1085-1094.	2.22	5,00		
17.7		THÈSE présentée par Yaqin YANG pour l'obtention du GRADE DE DOCTEUR Spécialité : Science des Matériaux Laboratoire d'accueil : Laboratoire de Génie des Procédés et Matériaux - Ecole Centrale Paris, France. Titre: Surface treated cp-titanium for biomedical applications: a combined corrosion, tribocorrosion and biological approach. soutenue le 16 octobre 2014.	-	-		
TOTAL CITĂRI 2014 – 2016 Article LB 17			26			

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 18	L. Benea, E. Mardare-Danaila, J.P. Celis, Increasing the tribological performances of Ti-6Al-4V alloy by forming a thin nanoporous TiO₂ layer and hydroxyapatite electrodeposition under lubricated conditions, <i>Tribology International</i> 78 (2014) 168-175 F.I. = 2.259 doi:10.1016/j.triboint.2014.05.013		S_k / n_i Punctaj pe citare	3	36,64

2016	Citat de 5 ori in 2016 in Reviste ISI			29,98	29,98
	18.1	Fei Weng, Huijun Yu, Chuanzhong Chen, Jianli Liu, Longjie Zhao, Jingjie Dai, Zhihuan Zhao, Effect of process parameters on the microstructure evolution and wear property of the laser cladding coatings on Ti-6Al-4V alloy , <i>Journal of Alloys and Compounds</i> , Available online 8 September 2016. http://dx.doi.org/10.1016/j.jallcom.2016.09.071	3.133	6,66	
	18.2	W.Q. Bai, L.L. Li, Y.J. Xie, D.G. Liu, X.L. Wang, G. Jin, J.P. Tu, Corrosion and tribocorrosion performance of M (M=Ta, Ti) doped amorphous carbon multilayers in Hank's solution , <i>Surface & Coatings Technology</i> 305 (2016) 11–22. http://dx.doi.org/10.1016/j.surfcoat.2016.07.078	2.589	6,66	
	18.3	Weng, F., Yu, H., Chen, C., Liu J., Zhao, L., Dai, J., Fabrication of Co-Based Coatings on Titanium Alloy by Laser Cladding with CeO₂ Addition , <i>Materials and Manufacturing Processes</i> , Volume 31, 2016 - Issue 11, pp. 1461-1467. http://dx.doi.org/10.1080/10426914.2016.1140199	1.63	5,00	
	18.4	Shahab Ahmadi, Iman Mohammadi, S.K. Sadrnezhad, Hydroxyapatite based and anodic Titania nanotube biocomposite coatings: Fabrication, characterization and electrochemical behaviour , <i>Surface & Coatings Technology</i> 287 (2016) 67–75. http://dx.doi.org/10.1016/j.surfcoat.2015.12.062	2.589	6,66	
	18.5	Żaneta Anna Mierzejewska, Paulina Kuptel, Jarosław Sidun, Analysis of the surface condition of removed bone implants . <i>Eksploracja i Niezawodność – Maintenance and Reliability</i> 2016; 18 (1): 65–72. http://dx.doi.org/10.17531/ein.2016.1.9	1.145	5,00	
2015	Citat 1 data in 2015 in Reviste ISI			6,66	6,66
	18.1	X. Ge, Y. Xia, Z. Cao, Tribological properties and insulation effect of nanometer TiO₂ and nanometer SiO₂ as additives in grease , <i>Tribology International</i> 92 (2015) Article number 3766, 454-461, DOI: 10.1016/j.triboint.2015.07.031	2.259	6,66	
TOTAL CITĂRI 2014 – 2016 Article LB 18			6		

Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
---	----------------	--------------	-------	----------------------------

		Factor		
LB 19	L. Benea, P. Ponthiaux, F. Wenger, Co-ZrO₂ electrodeposited composite coatings exhibiting improved micro hardness and corrosion behavior in simulating body fluid solution , <i>Surface and Coatings Technoly</i> 205 (2011) 5379-5386. F.I. = 2.139 DOI: 10.1016/j.surfcoat.2011.05.050.		S _k / n _i Punctaj pe citare	3 78.27
	Citat de 2 ori in 2016 in Reviste ISI		16,66	16,66
2016	19.1 E. Beltowska-Lehman, P. Indyka, A. Bigos, M.J. Szczerba, J. Guspiel, H. Koscielny, M. Kot, Effect of current density on properties of Ni-W nanocomposite coatings reinforced with zirconia particle , <i>Materials Chemistry and Physics</i> 173 (2016) 524-533. http://dx.doi.org/10.1016/j.matchemphys.2016.02.050	2.084	6,66	
	19.2 P. J. Jodłowski, R. J. Jedrzejczyk, D. Chlebda, J. Tyczkowski, J. Kryca, A. Kołodziej, J. Łojewsk, Structure Effects on Activity of Plasma Deposited Cobalt Oxide Catalysts for VOC Combustion , <i>Top Catal</i> , Published online: 04 May 2016. DOI 10.1007/s11244-016-0618-7	2.486	6,66	
	Citat de 2 ori in 2015 in Reviste ISI		11,66	11,66
2015	19.1 W. Zhang, G. Ji, A. Bu, B. Zhang, Corrosion and Tribological Behavior of ZrO₂ Films Prepared on Stainless Steel Surface by the Sol-Gel Method , <i>ACS Applied Materials and Interfaces</i> 7 (2015) 28264-28272. DOI: 10.1021/acsami.5b07915	7.145	10,00	
	19.2 M. Ebrahim-Ghajari, S.R. Allahkaram, S. Mahdavi, Corrosion behaviour of electrodeposited nanocrystalline Co and Co/ZrO₂ nanocomposite coatings , <i>Surface Engineering</i> 31 (2015) 251-257. DOI: 10.1179/1743294414Y.0000000355	1.06	5	
2014	Citat de 5 ori in 2014 in Reviste ISI		23,32	23,32
	19.1 Xingyuan Li, Yongyong Zhu, Guorong Xiao. Application of artificial neural networks to predict sliding wear resistance of Ni-TiN nanocomposite coatings deposited by pulse electrodeposition . <i>Ceramics International</i> , Volume 40, Issue 8, Part A, September 2014, Pages 11767–11772. doi:10.1016/j.ceramint.2014.04.005	2.88	6,66	
	19.2 Alok Kumar Chaudhari and V. B. Singh. Structure and Properties of Electro Co-Deposited Ni-Fe/ZrO₂ Nanocomposites from EthyleneGlycol Bath . <i>Int. J. Electrochem. Sci.</i> ,9 (2014) 7021 -7037. www.electrochemsci.org	1.63	5,00	
	19.3 M. Ebrahim-Ghajari; S. R. Allahkaram; S. Mahdavi. Corrosion behaviour of electrodeposited nanocrystalline	1.33	5,00	

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

		Co and Co/ZrO₂ nanocomposite coatings. Surface Engineering, Volume 31, Issue 3 (March 2015), pp. 251-257. DOI: http://dx.doi.org/10.1179/1743294414Y.0000000355			
	19.4	Arunachalam, U., Moorthi, N.S.V., Veeramani, P. Conductive heat transfer behaviour of electro-deposited nickel-tungsten alloy coating. Journal of Scientific and Industrial Research. JSIR Vol.73(12) [December 2014], 777-780. http://nopr.niscair.res.in/handle/123456789/25385/items-by-author?author=Arunachalam%2C+U Impact Factor of JSIR is 0.500 (JCR 2013).	0.79	3,33	
	19.5	Sun, W.-C., She, X.-L., Hou, G.-Q., Zhao, K., Li, P., Zhang, F., Jing, F.-F., Zhao, Y.-Q, Effects of ZrO₂ concentration on the micro-hardness and abrasive resistance of Ni-Co-ZrO₂ composite coatings, Rengong Jingti Xuebao/Journal of Synthetic Crystals, Volume 43, Issue 6, June 2014, Pages 1555-1560+1567	0.72	3,33	
	Citat de 5 ori in 2013 in Reviste ISI			19,97	19,97
2013	19.1	Z. Shahri, S.R. Allahkaram, A. Zarebidaki, Electrodeposition and Characterization of Co-BN (h) nano composite coatings, Applied Surface Science (2013). http://dx.doi.org/doi:10.1016/j.apsusc.2013.03.062	2.78	6,66	
	19.2	S. Mahdavi, S.R. Allahkaram. Characteristics of electrodeposited cobalt and titania nano-reinforced cobalt composite coatings. Surface and Coatings Technology. Volume 232, 15 October 2013, Pages 198–203.	2.21	6,66	
	19.3	U.Arunachalam1, N.Shenbaga Vinnayaga Moorthi2, P.Veeramani. Heat Transfer Behaviour of Electro Deposited Nickel-Tungsten Alloy Coating. Life Science Journal 2013; 10 (3). <i>Life Sci J</i> 2013; 10(3) :138-143]. (ISSN: 1097-8135). http://www.lifesciencesite.com 22.	0.46	1,66	
	19.4	Khalida Akhtar, Ikram Ul Haq, Uzma Hira, Synthesis and Characterization of Uniform Zirconia Particles by Homogeneous Precipitation Method. High Temperature Materials and Processes. Volume 32, Issue 4, Pages 391–395, ISSN (Online) 2191-0324, ISSN (Print) 0334-6455, DOI: 10.1515/htmp-2012-0156 , February 2013.	0.42	1,66	
	19.5	Z. Shahri, S.R. Allahkaram. Study of corrosion behavior of cobalt nano composite coatings. Iranian Journal of Materials Science & Engineering, Vol 10, Number 4, December 2013, pp. 49-57.	0.54	3,33	
		Citat 1 data in 2012 in Reviste ISI			6,66
2012	19.1	Hiro Kibayashi, Hitoshi Ogihara, Yosuke Hayano, and Tetsuo Saji. Hard and Glossy-Colored Films Composed of Micropatterned Organic Dots and Electrodeposited Honeycomb-Shaped Nickel Walls. ACS Appl. Mater. Interfaces,. DOI: 10.1021/am2016552 • Publication Date (Web): 15 Jan 2012.	5.76	6,66	
	Citat 1 data in 2011 in Reviste ISI			-	-
2011	19.1	Chemicals & Chemistry editors. Coatings Technology; Study Results from L. Benea and Colleagues in the Area of Coatings Technology Published. <i>Chemicals & Chemistry</i> (Sep 23, 2011), p. 2935. ISSN: 1944-1517. (ProQuest Central data base). http://search.proquest.com/docview/889212072?accountid=15533	-	-	
TOTAL CITĂRI 2011 - 2016 Article LB 19			16		

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 20	S. Balta, A. Sotto, P. Luis, L. Benea, B. Van der Bruggen, J. Kim, A new outlook on membrane enhancement with nanoparticles: the alternative of ZnO , <i>Journal of Membrane Science</i> 389 (2012) 155–161. F.I. = 5.557 doi:10.1016/j.memsci.2011.10.025		S_k / n_i Punctaj pe citare	6	443.06
2016	Citat de 43 ori in 2016 in Reviste ISI		154,10		154,10
20.1	O.T. Mahlangua, R. Nackaerts, J.M. Thwala, B.B. Mamba, A.R.D. Verliefe, Hydrophilic fouling-resistant GO-ZnO/PES membranes for wastewater reclamation , <i>Journal of Membrane Science</i> , Available online 15 November 2016. http://dx.doi.org/10.1016/j.memsci.2016.11.018	6.035	5,00		
20.2	A.L. Ahmad, A.A. Abdulkarim, Z.M.H. Mohd Shafie, B.S. Ooi, Fouling evaluation of PES/ZnO mixed matrix hollow fiber membrane , <i>Desalination</i> , Available online 21 October 2016. http://dx.doi.org/10.1016/j.desal.2016.10.008	5.527	5,00		
20.3	Jing Guo, Arcadio Sotto, Antonio Martín, Jeonghwan Kim, Preparation and characterization of polyethersulfone mixed matrix membranes embedded with Ti- or Zr-incorporated SBA-15 materials , <i>Journal of Industrial and Engineering Chemistry</i> , Available online 28 September 2016. http://dx.doi.org/10.1016/j.jiec.2016.09.033	4.421	3,33		
20.4	Ying Tao Chung, Ebrahim Mahmoudi, Abdul Wahab Mohammad, Abdelbaki Benamor, Daniel Johnson, Nidal Hilal, Development of polysulfone-nanohybrid membranes using ZnO-GO composite for enhanced antifouling and antibacterial control , <i>Desalination</i> , Available online 11 October 2016. http://dx.doi.org/10.1016/j.desal.2016.09.030	5.527	5,00		
20.5	Danial Qadir, Hilmi Mukhtar, Lau Kok Keong, Mixed Matrix Membranes for Water Purification Applications , <i>Separation & Purification Reviews</i> , Published online: 02 Jun 2016. http://dx.doi.org/10.1080/15422119.2016.1196460	3.359	3,33		
20.6	Saif Al Aani, Chris J.Wright, Muataz Ali Atieh, Nidal Hilal, Engineering nanocomposite membranes: Addressing current challenges and future opportunities , <i>Desalination</i> , Available online 9 August 2016. http://dx.doi.org/10.1016/j.desal.2016.08.001	5.527	5,00		
20.7	Moradihamedani, P., Kalantari, K., Abdullah, A.H., Morad, N.A., High efficient removal of lead(II) and nickel(II)	1.631	2,5		

		from aqueous solution by novel polysulfone/Fe ₃ O ₄ -talc nanocomposite mixed matrix membrane, <i>Desalination and Water Treatment</i> , Volume 57, 2016 - Issue 59, pp. 28900-28909. http://dx.doi.org/10.1080/19443994.2016.1193449			
20.8		Antonio Martín, Jesús M.Arsuaga, Nuria Roldán, Ana Martínez, Arcadio Sotto, Effect of amine functionalization of SBA-15 used as filler on the morphology and permeation properties of polyethersulfone-doped ultrafiltration membranes , <i>Journal of Membrane Science</i> 520 (2016) 8–18. http://dx.doi.org/10.1016/j.memsci.2016.07.040	6.035	5,00	
20.9		Zhiwei Xu, TengfeiWu, JieShi, KunyueTeng, WeiWang, MeijunMa, JingLi, Xiaoming Qian, CuiyuLi, JintuFan, Photocatalytic antifouling PVDF ultrafiltration membranes based on synergy of grapheme oxide and TiO₂ for water treatment , <i>Journal of Membrane Science</i> 520 (2016) 281–293. http://dx.doi.org/10.1016/j.memsci.2016.07.060	6.035	5,00	
20.10		Jhaveri, J.H., Murthy, Z.V.P., Nanocomposite membranes , <i>Desalination and Water Treatment</i> , 2016, Volume 57 (55), pp. 26803-26819. http://dx.doi.org/10.1080/19443994.2015.1120687	1.631	2,5	
20.11		Ning Li, Jun Zhang, Yu Tian, Jianhui Zhao, Jian Zhang, Wei Zuo, Anti-fouling potential evaluation of PVDF membranes modified with ZnO against polysaccharide , <i>Chemical Engineering Journal</i> 304 (2016) 165–174. http://dx.doi.org/10.1016/j.cej.2016.06.088	6.216	5,00	
20.12		Dudek, G., Gnus, M., Strzelewicz, A., Turczyn, R., Krasowska, M., Permeation of ethanol and water vapors through chitosan membranes with ferroferric oxide particles cross-linked by glutaraldehyde and sulfuric(VI) acid , <i>Separation Science and Technology</i> (Philadelphia), 2016, Volume 51 (15-16), pp. 2649-2656. http://dx.doi.org/10.1080/01496395.2016.1173701	1.24	2,5	
20.13		Isawi, H., El-Sayed, M.H., Feng, X., Shawky, H., Abdel Mottaleb, M.S., Surface nanostructuring of thin film composite membranes via grafting polymerization and incorporation of ZnO nanoparticles , <i>Applied Surface Science</i> 385 (2016) 268–281. http://dx.doi.org/10.1016/j.apsusc.2016.05.141	3.387	3,33	
20.14		Greenlee, L.F., Rentz, N.S., Influence of nanoparticle processing and additives on PES casting solution viscosity and cast membrane characteristics , <i>Polymer</i> 103 (2016) 498-508. http://dx.doi.org/10.1016/j.polymer.2016.04.021	3.684	3,33	
20.15		Zhao, Y., Li, N., Yuan, F., Zhang, H., Xia, S., Preparation and characterization of hydrophilic and antifouling poly(ether sulfone) ultrafiltration membranes modified with Zn–Al layered double hydroxides , <i>Journal of Applied Polymer Science</i> , 2016, 133 (39), APP43988. DOI: 10.1002/app.43988	1.67	2,5	
20.16		Yuanyuan Zhao, Jiaqi Lu, Xuyang Liu, Yudan Wang, Jiuyang Lin, Na Peng, Jingchun Li, Fangbo Zhao, Performance enhancement of polyvinyl chloride ultrafiltration membrane modified with graphene oxide , <i>Journal of Colloid and Interface Science</i> 480 (2016) 1–8. http://dx.doi.org/10.1016/j.jcis.2016.06.075	4.233	3,33	
20.17		A. Behboudi, Y. Jafarzadeh, R. Yegani, Preparation and characterization of TiO₂ embedded PVC ultrafiltration membranes , <i>Chemical Engineering Research and Design</i> 114 (2016) 96-107. http://dx.doi.org/10.1016/j.cherd.2016.07.027	2.539	3,33	

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

20.18	Krishnamurthy, P.H., Yogarathinam, L.T., Gangasalam, A., Ismail, A.F., Influence of copper oxide nanomaterials in a poly(ether sulfone) membrane for improved humic acid and oil-water separation , <i>Journal of Applied Polymer Science</i> , 2016, Volume 133 (36), 43873. DOI: 10.1002/app.43873	1.67	2,5		
20.19	Jiuyang Lin, Wenyuan Ye, Kuo Zhong, Jiangnan Shen, Nora Jullok, Arcadio Sotto, Bart Van der Bruggen, Enhancement of polyethersulfone (PES) membrane doped by monodisperse Stöber silica for water treatment , <i>Chemical Engineering and Processing</i> 107 (2016) 194–205.	2.234	3,33		
20.20	Zhiwei Xu, Tengfei Wu, Jie Shi, Wei Wang, Kunyue Teng, Xiaoming Qian*, Mingjing Shan, Hui Deng, Xu Tian, Cuiyu Li, Fengyan Li, Manipulating Migration Behavior of Magnetic Graphene Oxide via Magnetic Field Induced Casting and Phase Separation toward High-Performance Hybrid Ultrafiltration Membranes , <i>ACS Appl. Mater. Interfaces</i> , 2016, 8 (28), pp 18418–18429. DOI: 10.1021/acsami.6b04083	7.504	5,00		
20.21	Zehai Xu, ShuaijuYe, GuoliangZhang, WanbinLi, CongjieGao, ChongShen, Qin Meng, Antimicrobial polysulfone blended ultrafiltration membranes prepared with Ag/Cu₂O hybridnanowires , <i>Journal of Membrane Science</i> 509 (2016) 83–93. http://dx.doi.org/10.1016/j.memsci.2016.02.035	6.035	5,00		
20.22	Rusul Khaleel Ibrahim, Maan Hayyan, Mohammed Abdulhakim AlSaadi, Adeeb Hayyan, Shaliza Ibrahim, Environmental application of nanotechnology: air, soil, and water , <i>Environ Sci Pollut Res</i> (2016) 23:13754–13788. DOI 10.1007/s11356-016-6457-z	2.741	3,33		
20.23	Stefan Balta, Daniela Laura Buruiana, Cristian Silviu Simionescu, Laurentia Geanina Tiron, Marian Bordei, Bart Van der Bruggen, Influence of relative air humidity and casting time on the permeation properties of PSf nanofiltration membranes , <i>Desalination and Water Treatment</i> , 2016, Volume 57 (30), pp. 13924-13929. http://dx.doi.org/10.1080/19443994.2015.1062435	1.631	2,5		
20.24	Mahendra Kumar, Zahra Gholamvand, Anne Morrissey, KieranNolan, Mathias Ulbricht, Jenny Lawler, Preparation and characterization of low fouling novel hybrid ultrafiltration membranes based on the blends of GO-TiO₂ nanocomposite and polysulfone for humic acid removal , <i>Journal of Membrane Science</i> 506 (2016) 38–49. http://dx.doi.org/10.1016/j.memsci.2016.02.005	6.035	5,00		
20.25	AL-Hobaib, A.S., El Ghoul, J., El Mir, L., Fabrication of polyamide membrane reached by MgTiO₃ nanoparticles for ground water purification , <i>Desalination and Water Treatment</i> , 2016, Volume 57 (19), pp. 8639-8648. http://dx.doi.org/10.1080/19443994.2015.1025433	1.631	2,5		
20.26	Chung, Y.T., Ba-Abbad, M.M., Mohammad, A.W., Benamor, A., Functionalization of zinc oxide (ZnO) nanoparticles and its effects on polysulfone-ZnO membranes , <i>Desalination and Water Treatment</i> , Volume 57, 2016 - Issue 17, pp. 7801-7811. http://dx.doi.org/10.1080/19443994.2015.1067168	1.631	2,5		
20.27	Yong Jun Jo, Eun Yeob Choi, Sung Won Kim, C.K. Kim, Fabrication and characterization of a novel polyethersulfone/aminated polyethersulfone ultrafiltration membrane assembled with zinc oxide nanoparticles , <i>Polymer</i> 87 (2016) 290-299.	3.684	3,33		

	http://dx.doi.org/10.1016/j.polymer.2016.02.017				
20.28	A. Bahgat Radwan, Adel M.A. Mohamed, Aboubakr M. Abdullah, Mariam A. Al-Maadeed, <i>Corrosion protection of electrospun PVDF–ZnO superhydrophobic coating</i> , <i>Surface & Coatings Technology</i> 289 (2016) 136–143. http://dx.doi.org/10.1016/j.surfcoat.2015.12.087	2.589	3,33		
20.29	Abdul Latif Ahmad, Abdullah Adnan Abdulkarim, Suzylawati Ismail, Ooi Boon Seng, Optimization of PES/ZnO mixed matrix membrane preparation using response surface methodology for humic acid removal , <i>Korean J. Chem. Eng.</i> , 33(3), 997-1007 (2016). DOI: 10.1007/s11814-015-0221-9	6.216	5,00		
20.30	Akin, I., Ersoz, M., Preparation and characterization of CTA/m-ZnO composite membrane for transport of Rhodamine B , <i>Desalination and Water Treatment</i> , 2016, 57 (7), pp. 3037-3047. http://dx.doi.org/10.1080/19443994.2014.980327	1.631	2,5		
20.31	Jainesh H. Jhaveri, Z.V.P. Murthy, A comprehensive review on anti-fouling nanocomposite membranes for pressure driven membrane separation processes , <i>Desalination</i> 379 (2016) 137–154. http://dx.doi.org/10.1016/j.desal.2015.11.009	5.527	5,00		
20.32	Raka Mukherjee, Sirshendu De, Novel carbon-nanoparticle polysulfone hollow fiber mixed matrix ultrafiltration membrane: Adsorptive removal of benzene, phenol and toluene from aqueous solution , <i>Separation and Purification Technology</i> 157 (2016) 229–240. http://dx.doi.org/10.1016/j.seppur.2015.11.015	3.359	3,33		
20.33	Jorge Garcia-Ivars, Maria-Isabel Iborra-Clar, Maria-Isabel Alcaina-Miranda, José-Antonio Mendoza-Roca, Laura Pastor-Alcañiz, Surface photomodification of flat-sheet PES membranes with improved antifouling properties by varying UV irradiation time and additive solution pH , <i>Chemical Engineering Journal</i> 283 (2016) 231–242. http://dx.doi.org/10.1016/j.cej.2015.07.078	6.216	5,00		
20.34	Ekta Roy, Santanu Patra, Rashmi Madhuri, Prashant K. Sharma, A single solution for arsenite and arsenate removal from drinking water using cysteine@ZnS:TiO₂ nanoparticle modified molecularly imprinted biofouling-resistant filtration membrane , <i>Chemical Engineering Journal</i> 304 (2016) 259–270. http://dx.doi.org/10.1016/j.cej.2016.06.064	6.216	5,00		
20.35	Javdaneh, S., Mehrnia, M.R., Homayoonfal, M., Engineering design of a biofilm formed on a pH-sensitive ZnO/PSf nanocomposite membrane with antibacterial properties , <i>RSC Adv.</i> , 2016,6, 112269-112281. DOI: 10.1039/C6RA11899B	3.108	3,33		
20.36	Lee, A., Elam, J.W., Darling, S.B., Membrane materials for water purification: design, development, and application , <i>Environ. Sci.: Water Res. Technol.</i> , 2016,2, 17-42. DOI: 10.1039/C5EW00159E	2.817	3,33		
20.37	Shima Javdaneh, Mohammad Reza Mehrnia, Maryam Homayoonfal, Fabrication of polysulfone/zinc oxide nanocomposite membrane: Investigation of pore forming agent on fouling behavior , <i>Korean J. Chem. Eng.</i> , 33(11), 3184-3193 (2016). DOI: 10.1007/s11814-016-0178-3	6.216	5,00		
20.38	Marta Bojarska, Bartosz Nowak, Jarosław Skowronski, Wojciech Piatkiewicz, Leon Gradon, Growth of ZnO nanowires on polypropylene membranesurface—Characterization and reactivity , <i>Applied Surface Science</i> 391 (2017) 457–467.	3.387	3,33		

		http://dx.doi.org/10.1016/j.apsusc.2016.04.130				
20.39	H. Jia, Z. WU, N. Liu, Effect of nano-ZnO with different particle size on the performance of PVDF composite membrane , <i>Plastics, Rubber and Composites Macromolecular Engineering</i> , 2016, Volume 46, 2017 - Issue 1. http://dx.doi.org/10.1080/14658011.2016.1245032		0.73	1,66		
20.40	Mohammad Hossein Jazebizadeh, Shirin Khazraei, Investigation of Methane and Carbon Dioxide Gases Permeability Through PEBAX/PEG/ZnO Nanoparticle Mixed Matrix Membrane , <i>Silicon</i> , Published online: 16 August 2016. DOI 10.1007/s12633-016-9435-7		0.829	1,66		
20.41	Ali Behboudi, Yoones Jafarzadeh, Reza Yegani, Ali Akbari, Preparation and characterization of polyethylene/glass fiber composite membrane prepared via thermally induced phase separation method , <i>Polyolefins Journal</i> , Articles in Press, Accepted Manuscript, Available Online from 24 December 2016. DOI: 10.22063/poj.2016.1418		-	-		
20.42	Navid Azizi, Toraj Mohammadi, Reza Mosayebi Behbahani, Synthesis of a PEBAX-1074/ZnO nanocomposite membrane with improved CO₂ separation performance , Article in press, <i>Journal of Energy Chemistry</i> , Accepted 24 November 2016. http://dx.doi.org/10.1016/j.jechem.2016.11.018		2.594	3,33		
20.43	P.V. Chai, E. Mahmoudi, Y.H. Teow, A.W. Mohammad, Preparation of novel polysulfone-Fe₃O₄/GO mixed-matrix membrane for humic acid rejection , <i>Journal of Water Process Engineering</i> 15 (2017) 83–88. http://dx.doi.org/10.1016/j.jwpe.2016.06.001		3.14	3,33		
2015	Citat de 44 ori in 2015 in Reviste ISI			121.56		121.56
20.1	Y.T. Chung, M.M. Ba-Abbad, A.W. Mohammad, N.H.H. Hairom, A. Benamor, Synthesis of minimal-size ZnO nanoparticles through sol-gel method: Taguchi design optimization , <i>Materials and Design</i> 87 (2015) 780-787. DOI: 10.1016/j.matdes.2015.07.040		3.997	3,33		
20.2	N. Ghaemi, S.S. Madaeni, P. Daraei, H. Rajabi, T. Shojaeimehr, F. Rahimpour, B. Shirvani, PES mixed matrix nanofiltration membrane embedded with polymer wrapped MWCNT: Fabrication and performance optimization in dye removal by RSM , <i>Journal of Hazardous Materials</i> 298 (2015) 111-121. DOI: 10.1016/j.jhazmat.2015.05.018		4.836	3,33		
20.3	A. Ronen, W. Duan, I. Wheeldon, S. Walker, D. Jassby, Microbial Attachment Inhibition through Low-Voltage Electrochemical Reactions on Electrically Conducting Membranes , <i>Environmental Science and Technology</i> 49 (2015) 12741-12750. DOI: 10.1021/acs.est.5b01281		5.393	5,00		
20.4	D. Nevstrueva, A. Pihlajamäki, M. Mänttari, Effect of a TiO₂ additive on the morphology and permeability of cellulose ultrafiltration membranes prepared via immersion precipitation with ionic liquid as a solvent , <i>Cellulose</i> 22 (2015) 3865-3876. DOI: 10.1007/s10570-015-0746-4		3.195	3,33		
20.5	S. Xia, M. Ni, T. Zhu, Y. Zhao, N. Li, Ultrathin graphene oxide nanosheet membranes with various d-		4.412	3,33		

	spacing assembled using the pressure-assisted filtration method for removing natural organic matter, Desalination 371 (2015) 78-87. DOI: 10.1016/j.desal.2015.06.005				
20.6	M.K. Sinha, M.K. Purkait, Use of CS-PAA nanoparticles as an alternative to metal oxide nanoparticles and their effect on fouling mitigation of a PSF ultrafiltration membrane , RSC Advances 5 (2015) 66109-66121, DOI: 10.1039/c5ra08743k	3.289	3,33		
20.7	J.R. Kovacs, C. Liu, P.T. Hammond, Spray Layer-by-Layer Assembled Clay Composite Thin Films as Selective Layers in Reverse Osmosis Membranes , ACS Applied Materials and Interfaces 7 (2015) 13375-13383. DOI: 10.1021/acsami.5b01879	7.145	5,00		
20.8	Lei-xi Dong , Hong-wei Yanga, Shi-ting Liu , Xiao-maoWang , Yuefeng F. Xie, Fabrication and anti-biofouling properties of alumina and zeolite nanoparticle embedded ultrafiltration membranes , Desalination 365 (2015) 70–78. doi:10.1016/j.desal.2015.02.023	4.412	3,33		
20.9	Jun Yin, Jiancheng Zhou, Novel polyethersulfone hybrid ultrafiltration membrane prepared with SiO₂-g-(PDMAEMA-co-PDMAPS) and its antifouling performances in oil-in-water emulsion application , Desalination 365 (2015) 46–56. doi:10.1016/j.desal.2015.02.017	4.412	3,33		
20.10	E. Ameri, M. Sadeghi, N. Zarei, A. Pournaghshband, Enhancement of the gas separation properties of polyurethane membranes by alumina nanoparticles , Journal of Membrane Science 479 (2015) 11-19. DOI: 10.1016/j.memsci.2015.01.018	5.557	5,00		
20.11	S. Zhao, W. Yan, M. Shi, Z. Wang, J. Wang, S. Wang, Improving permeability and antifouling performance of polyethersulfone ultrafiltration membrane by incorporation of ZnO-DMF dispersion containing nano-ZnO and polyvinylpyrrolidone , Journal of Membrane Science 478 (2015) 105-116. DOI: 10.1016/j.memsci.2014.12.050	5.557	5,00		
20.12	S.S. Madaeni, N. Ghaemi, H. Rajabi, Advances in Membrane Technologies for Water Treatment (book chapter): Materials, Processes and Applications, pp. 3-41, Publisher: Elsevier Inc. DOI: 10.1016/B978-1-78242-121-4.00001-0	-	-		
20.13	A. Martín, J.M. Arsuaga, N. Roldán, J. de Abajo, A. Martínez, A. Sotto, Enhanced ultrafiltration PES membranes doped with mesostructured functionalized silica particles , Desalination 357 (2015) 16-25. DOI: 10.1016/j.desal.2014.10.046	4.412	3,33		
20.14	K.F. Yee, Q.W. Yeang, Y.T. Ong, V.M. Vadivelu, S.H. Tan, Water Remediation Using Nanoparticle and Nanocomposite Membranes (book chapter): Nanomaterials for Environmental Protection (2015) 269-291. DOI: 10.1002/9781118845530.ch17	-	-		
20.15	N.H.H. Hairom, A.W. Mohammad, A.A.H. Kadhum, Influence of zinc oxide nanoparticles in the nanofiltration of hazardous Congo red dyes , Chemical Engineering Journal 260 (2015) 907-915. DOI: 10.1016/j.cej.2014.08.068	5.310	5,00		
20.16	A.S. Doumbia, H. Vezin, M. Ferreira, C. Campagne, E. Devaux, Studies of polylactide/zinc oxide nanocomposites: Influence of surface treatment on zinc oxide antibacterial activities in textile nanocomposites , Journal of Applied Polymer Science 132 (2015) Article number 41776.	1.67	2,5		

	DOI: 10.1002/app.41776				
20.17	Y. Jafarzadeh, R. Yegani, M. Sedaghat, Preparation, characterization and fouling analysis of ZnO/polyethylene hybrid membranes for collagen separation , Chemical Engineering Research and Design 94 (2015) 417-427. DOI: 10.1016/j.cherd.2014.08.017	2.525	3,33		
20.18	Y. Jafarzadeh, R. Yegani, Thermal, mechanical, and structural properties of zno/polyethylene membranes made by thermally induced phase separation method , Journal of Applied Polymer Science 132 (2015) Article number 42338. DOI: 10.1002/app.42338	1.67	2,5		
20.19	Y. Jafarzadeh, R. Yegani, Analysis of fouling mechanisms in TiO₂ embedded high density polyethylene membranes for collagen separation , Chemical Engineering Research and Design (2015) 684-695. DOI: 10.1016/j.cherd.2014.06.001	2.525	3,33		
20.20	V.D.N. Medeiros, T.C. de Carvalho, A.M.D. Leite, E.M. Araújo, H.L. Lira, Evaluation of the effect of clay in polyethersulfone membranes , Desalination and Water Treatment 56 (2015) 3554-3560, DOI: 10.1080/19443994.2014.993724	0.93	1,66		
20.21	A.S. Figueiredo, M.G. Sánchez-Loredo, A. Maurício, M.F.C. Pereira, M. Minhalma, M.N. De Pinho, Tailoring of structures and permeation properties of asymmetric nanocomposite cellulose acetate/silver membranes , Journal of Applied Polymer Science 132 (2015) Article number 41796. DOI: 10.1002/app.41796	1.67	2,5		
20.22	A. Sumisha, G. Arthanareeswaran, A.F. Ismail, D.P. Kumar, M.V. Shankar, Functionalized titanate nanotube-polyetherimide nanocomposite membrane for improved salt rejection under low pressure nanofiltration , RSC Advances 5 (2015) 39464-39473. DOI: 10.1039/c5ra03520a	3.289	3,33		
20.23	M. Homayoonfal, M.R. Mehrnia, M. Shariaty-Niassar, A. Akbari, M.H. Sarrafzadeh, A. Fauzi Ismail, Fabrication of magnetic nanocomposite membrane for separation of organic contaminant from water , Desalination and Water Treatment 54 (2015) 3603-3609. DOI: 10.1080/19443994.2014.923202	0.93	1,66		
20.24	C. Thamaraiselvan, M. Noel, Membrane processes for dye wastewater treatment: Recent progress in fouling control , Critical Reviews in Environmental Science and Technology 45 (2015) 1007-1040. DOI: 10.1080/10643389.2014.900242	4.24	3,33		
20.25	A.B. Radwan, A.M.A. Mohamed, A.M. Abdullah, M.A. Al-Maadeed, Superhydrophobic and corrosion behavior of electrospun PVDF-ZnO coating , ECS Transactions 64 (2015) 57-67. DOI: 10.1149/06426.0057ecst	0.40	0,83		
20.26	X. Li, J. Li, B. Van Der Bruggen, X. Sun, J. Shen, W. Han, L. Wang, Fouling behavior of polyethersulfone ultrafiltration membranes functionalized with sol-gel formed ZnO nanoparticles , RSC Advances 5 (2015) 50711-50719. DOI: 10.1039/c5ra05783c	3.289	3,33		
20.27	A.L. Ahmad, A.A. Abdulkarim, S. Ismail, B.S. Ooi, Preparation and characterisation of PES-ZnO mixed matrix membranes for humic acid removal , Desalination and Water Treatment 54 (2015) 3257-3268. DOI: 10.1080/19443994.2014.910137	0.93	1,66		

**Standarde minime pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

20.28	Y. Jafarzadeh, R. Yegani, S.B. Tantekin-Ersolmaz, Effect of TiO₂ nanoparticles on structure and properties of high density polyethylene membranes prepared by thermally induced phase separation method , Polymers for Advanced Technologies 26 (2015) 392-398. DOI: 10.1002/pat.3466	1.823	2,5		
20.29	K. Yokwana, N. Gumbi, F. Adams, S. Mhlanga, E. Nxumalo, B. Mamba, Development of functionalized doped carbon nanotube/polysulfone nanofiltration membranes for fouling control , Journal of Applied Polymer Science 132 (2015) Article number 41835. DOI: 10.1002/app.41835	1.67	2,5		
20.30	P. Moradihamedani, N.A. Ibrahim, W.M.Z.W Yunus, N.A. Yusof, Study of morphology and gas separation properties of polysulfone/titanium dioxide mixed matrix membranes , Polymer Engineering and Science 55 (2015) 367-374, DOI: 10.1002/pen.23887	1.719	2,5		
20.31	M.A. Alaei Shahmirzadi, S.S. Hosseini, G. Ruan, N.R. Tan, Tailoring PES nanofiltration membranes through systematic investigations of prominent design, fabrication and operational parameters , RSC Advances 5 (2015) 49080-49097. DOI: 10.1039/c5ra05985b	3.289	3,33		
20.32	P.S. Goh, B.C. Ng, W.J. Lau, A.F. Ismail, Inorganic nanomaterials in polymeric ultrafiltration membranes for water treatment , Separation and Purification Reviews 44 (2015) 216-249. DOI: 10.1080/15422119.2014.926274	5.89	5,00		
20.33	H. Rajabi, N. Ghaemi, S.S. Madaeni, P. Daraei, B. Astinchap, S. Zinadini, S.H. Razavizadeh, Nano-ZnO embedded mixed matrix polyethersulfone (PES) membrane: Influence of nanofiller shape on characterization and fouling resistance , Applied Surface Science 349 (2015) 66-77. DOI: 10.1016/j.apsusc.2015.04.214	3.150	3,33		
20.34	K. Rambabu, S. Velu, Performance of polyethersulfone membranes modified with low molecular weight polyacrylic acid , International Journal of Chem Tech Research 8 (2015) 413-421, ISSN: 09744290.	0.34	0,83		
20.35	J. Lin, W. Ye, K. Zhong, J. Shen, N. Jullok, A. Sotto, Bart Van der Bruggen, Enhancement of polyethersulfone (PES) membrane doped by monodisperse Stöber silica for water treatment , Chemical Engineering and Processing: Process Intensification (2015). doi:10.1016/j.cep.2015.03.011	2.154	3,33		
20.36	A.M. Grekhov, Yu.S. Eremin, On the threshold concentration of sticks providing formation of a percolating cluster in mixed matrix membranes , Journal of Membrane Science 485 (2015) 42-47. doi:10.1016/j.memsci.2015.02.046	5.557	5,00		
20.37	Shengji Xia, Muzi Ni, Preparation of poly(vinylidene fluoride) membranes with graphene oxide addition for natural organic matter removal , Journal of Membrane Science 473 (2015) 54-62. doi:10.1016/j.memsci.2014.09.018	5.557	5,00		
20.38	Ying Tao Chung, Muneer M. Ba-Abbad, Abdul Wahab Mohammad, Abdelbaki Benamor, Functionalization of zinc oxide (ZnO) nanoparticles and its effects on polysulfone-ZnO membranes , Desalination and Water Treatment (2015) 1-11. DOI:10.1080/19443994.2015.1067168	0.93	1,66		

20.39	Rambabu Krishnamoorthy, Velu Sagadevan, Polyethylene glycol and iron oxide nanoparticles blended polyethersulfone ultrafiltration membrane for enhanced performance in dye removal studies , e-Polymers 15 (2015) 151-159. DOI: 10.1515/epoly-2014-0214	0.569	1,66		
20.40	A.S. AL-Hobaib, J. El Ghoul, L. El Mir, Fabrication of polyamide membrane reached by MgTiO₃ nanoparticles for ground water purification , Desalination and Water Treatment (2015) 1-10, DOI:10.1080/19443994.2015.1025433	0.93	1,66		
20.41	J.R. Kovacs, Engineering nanostructured selective layers for reverse osmosis membranes , Thesis: Ph. D., Massachusetts Institute of Technology, Department of Chemical Engineering, 2015. Cataloged from PDF version of thesis. Includes bibliographical references (pages 122-142). URI: http://hdl.handle.net/1721.1/98709	-	-		
20.42	J.H. Jhaveri, Z.V.P. Murthy, Nanocomposite membranes , Desalination and Water Treatment (2015). DOI:10.1080/19443994.2015.1120687	0.93	1,66		
20.43	F.R. Omi, Conductive Ultrafiltration Membrane Fabrication via a Novel Vacuum-Assisted Layer-by-Layer Assembly of Functionalized Carbon Nanotubes , Masters thesis, Concordia University. http://spectrum.library.concordia.ca/979698/1/Omi_MASc_S2015.pdf	-	-		
20.44	Ehsan Rezabeigi, Development of highly porous polylactic acid-based monoliths containing sol-gel-derived 45S5 Bioglass® , PhD thesis, Concordia University. http://spectrum.library.concordia.ca/979833/1/Rezabeigi_PhD_S2015.pdf	-	-		
2014	Citat de 28 ori in 2014 in Reviste ISI		98,28		98,28
20.1	M Rezakazemi, A Ebadi Amooghin, Mohammad Mehdi Montazer-Rahmati, Ahmad Fauzi Ismail, Takeshi Matsuura. State-of-the-art membrane based CO₂ separation using mixed matrix membranes (MMMs): An overview on current status and future directions. , 2014, Progress in Polymer Science, Volume 39, Issue 5, May 2014, Pages 817–861. doi:10.1016/j.progpolymsci.2014.01.003	25.20	3,33		
20.2	HQ Liang, QY Wu, LS Wan, XJ Huang, ZK Xu. Thermally induced phase separation followed by in situ sol-gel process: A novel method for PVDF/SiO₂ hybrid membranes . Journal of Membrane Science, Volume 465, 1 September 2014, Pages 56–67. doi:10.1016/j.memsci.2014.03.068	5.76	5,00		
20.3	S Xia, M Ni. Preparation of poly(vinylidene fluoride) membranes with graphene oxide addition for natural organic matter removal . Journal of Membrane Science, Volume 473, 1 January 2015, Pages 54–62. doi:10.1016/j.memsci.2014.09.018	5.76	5,00		
20.4	Li-Jing Zhu, Li-Ping Zhu, Jin-Hong Jiang, Zhuan Yi, Yi-Fan Zhao, Bao-Ku Zhu, You-Yi Xu. Hydrophilic and anti-fouling polyethersulfone ultrafiltration membranes with poly(2-hydroxyethyl methacrylate) grafted silica nanoparticles as additive . Journal of Membrane Science, Volume 451, 1 February 2014, Pages 157–168. doi:10.1016/j.memsci.2013.09.053	5.76	5,00		
20.5	H Yu, Y Zhang, X Sun, J Liu, H Zhang. Improving the antifouling property of polyethersulfone ultrafiltration membrane by incorporation of dextran grafted halloysite nanotubes . Chemical Engineering Journal, 2014,	5.28	5,00		

	Volume 237, 1 February 2014, Pages 322–328. doi:10.1016/j.cej.2013.09.094				
20.6	Ana Sofia Figueiredo, María Guadalupe Sánchez-Loredo, António Maurício, Manuel F. C. Pereira, Miguel Minhama and Maria Norberta de Pinho. Tailoring of structures and permeation properties of asymmetric nanocomposite cellulose acetate/silver membranes. Journal of Applied Polymer Science. Article first published online: 18 DEC 2014. DOI: 10.1002/app.41796	1.97	2,5		
20.7	Jorge Garcia-Ivars, Maria-Isabel Alcaina-Miranda, Maria-Isabel Iborra-Clar, José-Antonio Mendoza-Roca, Laura Pastor-Alcañiz. Enhancement in hydrophilicity of different polymer phase-inversion ultrafiltration membranes by introducing PEG/Al₂O₃ nanoparticles. Separation and Purification Technology, Volume 128, 13 May 2014, Pages 45–57. doi:10.1016/j.seppur.2014.03.012	3.73	3,33		
20.8	Sílvia Lopes, Fabianne Ribeiro, Jacek Wojnarowicz, Witold Łojkowski, Kerstin Jurkschat, Alison Crossley, Amadeu M. V. M. Soares and Susana Loureiro. Zinc oxide nanoparticles toxicity to <i>Daphnia magna</i>: size-dependent effects and dissolution. Environmental Toxicology and Chemistry, Volume 33, Issue 1, pages 190–198, January 2014. DOI: 10.1002/etc.2413	5.25	5,00		
20.9	LJ Zhu, LP Zhu, YF Zhao, BK Zhu, YY Xu. Anti-fouling and anti-bacterial polyethersulfone membranes quaternized from the additive of poly(2-dimethylamino ethyl methacrylate) grafted SiO₂ nanoparticles. J. Mater. Chem. A, 2014,2, 15566-15574. DOI: 10.1039/C4TA03199G	6.27	5,00		
20.10	Evangelos P. Favvas, Konstantinos L. Stefanopoulos, John W. Nolan, Sergios K. Papageorgiou, Athanasios Ch. Mitropoulos, Didier Lairez. Mixed Matrix Hollow Fiber Membranes with enhanced gas permeation properties. Separation and Purification Technology, Volume 132, 20 August 2014, Pages 336–345. doi:10.1016/j.seppur.2014.05.013	3.73	3,33		
20.11	Xin Li, Xiaofeng Fang, Ruizhi Pang, Jiansheng Li, Xiuyun Sun, Jinyou Shen, Weiqing Han, Lianjun Wang. Self-assembly of TiO₂ nanoparticles around the pores of PES ultrafiltration membrane for mitigating organic fouling. Journal of Membrane Science, Volume 467, 1 October 2014, Pages 226–235. doi:10.1016/j.memsci.2014.05.036	5.76	5,00		
20.12	Nur Hanis Hayati Hairon, Abdul Wahab Mohammad, Abdul Amir Hassan Kadhum. Influence of zinc oxide nanoparticles in the nanofiltration of hazardous Congo red dyes. Chemical Engineering Journal, Volume 260, 15 January 2015, Pages 907–915. doi:10.1016/j.cej.2014.08.068	2.28	3,33		
20.13	Qing Wang, Yi Li, Chao Wang, Yue Wu, Peifang Wang, Development of a novel multi-functional active membrane capping barrier for the remediation of nitrobenzene-contaminated sediment. Journal of Hazardous Materials, Volume 276, 15 July 2014, Pages 415–421. doi:10.1016/j.jhazmat.2014.05.063	2.64	3,33		
20.14	Gabriela Dudek, Małgorzata Gnus, Roman Turczyn, Anna Strzelewicz, Monika Krasowska. Pervaporation with chitosan membranes containing iron oxide nanoparticles. Separation and Purification Technology, Volume 133, 8 September 2014, Pages 8–15.	3.73	3,33		

	doi:10.1016/j.seppur.2014.06.032				
20.15	P. S. Goh, B. C. Ng, W. J. Lau & A. F. Ismail. Inorganic Nanomaterials in Polymeric Ultrafiltration Membranes for Water Treatment . Separation & Purification Reviews. Volume 44, Issue 3, 2015, pages 216-249. Published online: 02 Oct 2014. DOI: 10.1080/15422119.2014.926274	3.63	3,33		
20.16	Y. Lukka Thuyavan , N. Anantharaman , and G. Arthanareeswaran. Adsorptive Removal of Humic Acid by Zirconia Embedded in a Poly(ether sulfone) Membrane . Ind. Eng. Chem. Res., 2014, 53 (28), pp 11355–11364. Publication Date (Web): June 24, 2014. DOI: 10.1021/ie5015712	3.17	3,33		
20.17	Lifen Liu, Huiping Chen, Fenglin Yang. Enhancing membrane performance by blending ATRP grafted PMMA-TiO₂ or PMMA-PSBMA-TiO₂ in PVDF . Separation and Purification Technology, Volume 133, 8 September 2014, Pages 22–31. doi:10.1016/j.seppur.2014.06.015	3.73	3,33		
20.18	H. S. M. Suhaimi, M. N. I. M. Khir, C. P. Leo, A. L. Ahmad. Preparation and characterization of polysulfone mixed-matrix membrane incorporated with palladium nanoparticles dispersed in polyvinylpyrrolidone for hydrogen separation . Journal of Polymer Research , April 2014, 21:428. DOI: 10.1007/s10965-014-0428-1	2.11	3,33		
20.19	J Hong, Y He. Polyvinylidene fluoride ultrafiltration membrane blended with nano-ZnO particle for photocatalysis self-cleaning . Desalination, Volume 332, Issue 1, 2 January 2014, Pages 67–75. doi:10.1016/j.desal.2013.10.026	4.73	3,33		
20.20	X Zhang, Y Wang, Y Liu, J Xu, Y Han, X Xu. Preparation, performances of PVDF/ZnO hybrid membranes and their applications in the removal of copper ions . Applied Surface Science, 2014, Volume 316, 15 October 2014, Pages 333–340. doi:10.1016/j.apsusc.2014.08.004	3.04	3,33		
20.21	M.U.M. Junaidi, C.P. Khoo, C.P. Leo , A.L. Ahmad. The effects of solvents on the modification of SAPO-34 zeolite using 3-aminopropyl trimethoxy silane for the preparation of asymmetric polysulfone mixed matrix membrane in the application of CO₂ separation . Microporous and Mesoporous Materials, Volume 192, 1 July 2014, Pages 52–59. doi:10.1016/j.micromeso.2013.10.006	3.84	3,33		
20.22	Y Jafarzadeh, R Yegani, M Sedaghat. Preparation, characterization and fouling analysis of ZnO/polyethylene hybrid membranes for collagen separation . Chemical Engineering Research and Design, Available online 30 August 2014. doi:10.1016/j.cherd.2014.08.017	2.98	3,33		
20.23	Ilker Akin & Mustafa Ersoz, Preparation and characterization of CTA/m-ZnO composite membrane for transport of Rhodamine B . Desalination and Water Treatment. Accepted: 20 Oct 2014, Published online: 11 Nov 2014. DOI: 10.1080/19443994.2014.980327	1.39	2,5		
20.24	Pourya Moradihamedani, Nor Azowa Ibrahim, Donya Ramimoghdam, Wan Md Zin Wan Yunus and Nor Azah Yusof. Polysulfone/zinc oxide nanoparticle mixed matrix membranes for CO₂/CH₄ separation . Journal of Applied Polymer Science, Volume 131, Issue 16, August 15, 2014. Article first published online: 12 SEP 2013	1.97	2,5		

		DOI:10.1002/app.39745			
	20.25	A.L. Ahmad, A.A. Abdulkarim, S. Ismail & B.S. Ooi. Preparation and characterisation of PES-ZnO mixed matrix membranes for humic acid removal. Desalination and Water Treatment, Published online: 14 Apr 2014. DOI: 10.1080/19443994.2014.910137	1.39	2,5	
	20.26	Y Jafarzadeh, R Yegani. Analysis of fouling mechanisms in TiO₂ embedded high density polyethylene membranes for collagen separation. Chemical Engineering Research and Design, 2014, Available online 7 June 2014. doi:10.1016/j.cherd.2014.06.001	2.98	3,33	
	20.27	Pourya Moradihamedani, Nor Azowa Ibrahim, Wan Md Zin Wan Yunus and Nor Azah Yusof. Study of morphology and gas separation properties of polysulfone/titanium dioxide mixed matrix membranes. Polymer Engineering & Science. Article first published online: 2 MAR 2014. DOI: 10.1002/pen.23887	1.10	2,5	
	20.28	Maryam Homayoonfal, Mohammad Reza Mehrnia, Mojtaba Shariaty-Niassar, Ahmad Akbari, Mohammad Hossein Sarrafzadeh & Ahmad Fauzi Ismail. Fabrication of magnetic nanocomposite membrane for separation of organic contaminant from water. Desalination and Water Treatment. Published online: 10 Jun 2014. DOI: 10.1080/19443994.2014.923202	1.39	2,5	
2013	Citat de 17 ori in 2013 in Reviste ISI			55,80	55,80
	20.1	Hong, J., He, Y. Polyvinylidene fluoride ultrafiltration membrane blended with nano-ZnO particle for photo-catalysis self-cleaning. Desalination. volume 332, issue , year 2014, pp. 67 – 75.	4.80	3,33	
	20.2	M Alhoshan, J Alam, LA Dass, N Al - Homaidi. Fabrication of Polysulfone/ZnO Membrane: Influence of ZnO Nanoparticles on Membrane Characteristics. , Advances in Polymer Technology, Volume 32, Issue 4, Winter 2013, Article first published online: 30 AUG 2013, DOI: 10.1002/adv.21369	1.73	2,5	
	20.3	Alam, J., Dass, L.A., Ghasemi, M., Alhoshan, M. Synthesis and optimization of PES-Fe₃O₄ mixed matrix nanocomposite membrane: Application studies in water purification. Polymer Composites, 2013, 34 (11) , pp. 1870-1877.	1.65	2,5	
	20.4	Namvar-Mahboub, M., Pakizeh, M., Development of a novel thin film composite membrane by interfacial polymerization on polyetherimide/modified SiO₂ support for organic solvent nanofiltration. 2013 Separation and Purification Technology, 119 , pp. 35-45.	3.59	3,33	
	20.5	Yu, H., Zhang, X., Zhang, Y., Liu, J., Zhang, H. Development of a hydrophilic PES ultrafiltration membrane containing SiO₂@N-Halamine nanoparticles with both organic antifouling and antibacterial properties. 2013 Desalination 326 , pp. 69-76.	4.80	3,33	
	20.6	Nikkola, J., Liu, X., Li, Y., Raulio, M., Alakomi, H.-L., Wei, J., Tang, C.Y. Surface modification of thin film composite RO membrane for enhanced anti-biofouling performance. 2013 Journal of Membrane Science 444 , pp. 192-200.	5.15	5,00	
	20.7	Rybak, A., Grzywna, Z.J., Sysel, P. Mixed matrix membranes composed of various polymer matrices and magnetic powder for air separation. 2013 Separation and Purification Technology 118 , pp.424-431.	3.59	3,33	

**Standarde minimale pentru profesor, abilitare: Prof Dr. Lidia BENEĂ - INGINERIA MATERIALELOR
ORDIN MENCS – STANDARDE MINIMALE CADRE DIDACTICE, M.O. 6129 / 2016**

	20.8	Wang, D.-M., Lai, J.-Y. Recent advances in preparation and morphology control of polymeric membranes formed by nonsolvent induced phase separation. 2013 Current Opinion in Chemical Engineering 2 (2), pp. 229-237	3.28	3,33		
	20.9	Ahmad, A.L., Abdulkarim, A.A., Ooi, B.S., Ismail, S. Recent development in additives modifications of polyethersulfone membrane for flux enhancement. 2013 Chemical Engineering Journal 223 , pp. 246-267.	4.64	3,33		
	20.10	Mierzwa, J.C., Arieta, V., Verlage, M., Carvalho, J., Vecitis, C.D. Effect of clay nanoparticles on the structure and performance of polyethersulfone ultrafiltration membranes. 2013 Desalination 314 , pp. 147-158.	4.80	3,33		
	20.11	Yu, H., Zhang, Y., Zhang, J., Zhang, H., Liu, J. Preparation and antibacterial property of SiO₂-Ag/PES hybrid ultrafiltration membranes. 2013 Desalination and Water Treatment 51 (16-18) , pp. 3584-3590.	1.18	2,5		
	20.12	Junaidi, M.U.M., Leo, C.P., Kamal, S.N.M., Ahmad, A.L., Chew, T.L., Carbon dioxide removal from methane by using polysulfone/SAPO-44 mixed matrix membranes. 2013 Fuel Processing Technology, 15 112 , pp. 1-6.	3.67	3,33		
	20.13	Maheswari, P., Prasannadevi, D., Mohan, D. Preparation and performance of silver nanoparticle incorporated polyetherethersulfone nanofiltration membranes. 2013 High Performance Polymers 25 (2) , pp. 174-187.	1.18	2,5		
	20.14	Tolstov, A.L., Gres, O.V. Polymeric systems containing nano- and microstructured zinc oxide. 2013 Theoretical and Experimental Chemistry 48 (6) , pp. 353-366.	0.48	0,83		
	20.15	María Arsuaga, J., Sotto, A., del Rosario, G., Martínez, A., Molina, S., Teli, S.B., de Abajo, J. Influence of the type, size, and distribution of metal oxide particles on the properties of nanocomposite ultrafiltration membranes. 2013 Journal of Membrane Science 428 , pp. 131-141.	5.15	5,00		
	20.16	Koseoglu-Imer, D.Y., Kose, B., Altinbas, M., Koyuncu, I. The production of polysulfone (PS) membrane with silver nanoparticles (AgNP): Physical properties, filtration performances, and biofouling resistances of membranes. 2013 Journal of Membrane Science 428 , pp. 620-628.	5.15	5,00		
	20.17	Leo, C.P., Ahmad Kamil, N.H., Junaidi, M.U.M., Kamal, S.N.M., Ahmad, A.L. The potential of SAPO-44 zeolite filler in fouling mitigation of polysulfone ultrafiltration membrane. 2013 Separation and Purification Technology 103 , pp. 84-91.	3.59	3,33		
	Citat de 4 ori in 2012 in Reviste ISI			13,32		13,32
2012	20.1	Leo, C.P., Cathie Lee, W.P., Ahmad, A.L., Mohammad, A.W. Polysulfone membranes blended with ZnO nanoparticles for reducing fouling by oleic acid. Separation and Purification Technology 89, pp. 51-56.	3.14	3,33		
	20.2	Hong, J., He, Y. Effects of nano sized zinc oxide on the performance of PVDF microfiltration membranes. Desalination, volume 302, issue , year 2012, pp. 71 – 79.	4.80	3,33		
	20.3	C.P. Leo, N.H. Ahmad Kamil, M.U.M. Junaidi, S.N.M. Kamal, A.L. Ahmad. The potential of SAPO-44 zeolite filler in fouling mitigation of polysulfone ultrafiltration membrane. Separation and Purification Technology , 103 (2013) 84–91.	3.14	3,33		
	20.4	Bing Wu ¹ and Anthony G. Fane. Microbial Relevant Fouling in Membrane Bioreactors: Influencing Factors, Characterization, and Fouling Control. Membranes 2012, 2(3), 565-584; doi:10.3390/membranes2030565.	3.10	3,33		
TOTAL CITĂRI 2012 - 2016 Article LB 20			136			

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 21	E. Mardare, L. Benea, J. Celis, Importance of applied normal loads on the tribocorrosion behaviour of Ti-6Al-4V alloy in bio-simulated environment , <i>Optoelectron. Adv. Mater.</i> , 6 (2012), pp. 474-478, ISSN: 1842 – 6573. F.I. = 0.29 http://oam-rc.inoe.ro/index.php?option=magazine&op=view&idu=1857&catid=71		S_k / n_i Punctaj pe citare	3	6,66
2015	Citat 1 data in 2015 in Reviste ISI		6,66		6,66
	21.1 I. Golvano, I. Garcia, A. Conde, W. Tato, A. Aginagalde, Influence of fluoride content and pH on corrosion and tribocorrosion behaviour of Ti13Nb13Zr alloy in oral environment , <i>Journal of the Mechanical Behavior of Biomedical Materials</i> 49 (2015) 186-196. doi:10.1016/j.jmbbm.2015.05.008	2.876	6,66		
TOTAL CITĂRI 2012 - 2016 Article LB 21				1	

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 22	Benea L, Sorcaru SF, Ponthiaux P, Wenger F, Electrosynthesis and performances of cobalt-ceria nanocomposite biocoatings , <i>Advances in Applied Ceramics</i> 111 (2012), (3) pp. 134-141. F.I. = 1.11 DOI: http://dx.doi.org/10.1179/1743676111Y.0000000068		S_k / n_i Punctaj pe citare	4	5

2014	Citat 1 data in 2014 in Reviste ISI			5	5
	22.1	L. Exbrayat, P. Steyer, C. Rébéré, C. Berziou, C. Savall, P. Ayrault, E. Tertre, G. L. Joly-Pottuz, J. Creus. Electrodeposition of zinc–ceria nanocomposite coatings in alkaline bath. Journal of Solid State Electrochemistry, 01/2014 18(1):223-233. DOI 10.1007/s10008-013-2264-3	2.37	5	
2013	Citat 1 data in 2013 in Reviste ISI			-	-
	22.1	Messadi, Ahmed. Synthèse de ligands et liquides ioniques dérivés de molécules naturelles: Application à la complexation des cations métalliques-Application à l'extraction liquide-liquide de métaux. 2013. PhD Thesis. Reims. http://www.theses.fr/2013REIMS002	-	-	
TOTAL CITĂRI 2012 - 2016 Article LB 22			2		

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 23	Lidia Benea, Electrochemical Impedance Spectroscopy and Corrosion Behavior of Co/CeO₂ Nanocomposite Coatings in Simulating Body Fluid Solution , <i>Metallurgical and Materials Transactions A</i> , 2013, 44 (2), 1114-1122. F.I. = 1.749 DOI: 10.1007/s11661-012-1422-z		S_k / n_i Punctaj pe citare	1	15

2014	Citat 1 data in 2014 in Reviste ISI			15		15
	23.1	Y.B. Zeng, N.S. Qu, and X.Y. Hu. Preparation and Characterization of Electrodeposited Ni-CeO₂ Nanocomposite Coatings with High Current Density. Int. J. Electrochem. Sci., Vol. 9, 2014, p. 8145 - 8154. www.electrochemsci.org	1.63	15		
TOTAL CITĂRI 2013 – 2016 Article LB 23			1			

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$	
LB 24	E. Mardare, L. Benea, J. P. Celis, Novel nano-TiO₂ layer preparation on Ti-6Al-4V support alloy and their characterization , <i>Digest J. Nanomaterials and Biostructures</i> 7 (2012), 933–939. F.I. = 0.756 http://www.chalcogen.infim.ro/933_Mardare.pdf http://connection.ebscohost.com/c/articles/77592308/novel-nano-tio2-layer-preparation-ti-6al-4v-support-alloy-their-characterization https://lirias.kuleuven.be/handle/123456789/361738		S_k / n_i Punctaj pe citare	3	3,33	
2014	Citat 1 data in 2014 in Reviste ISI			3,33	3,33	
	24.1	Yong Choi, Sun I. Hong. Comparison of bio-mineralization behavior of Ti-6Al-4V-1Nb and Zr-1Nb nano-tubes formed by anodization. The Physics of Metals and Metallography December 2014, Volume 115, Issue 13, pp 1326-1332. DOI: 10.1134/S0031918X14130043	0.64	3,33		
TOTAL CITĂRI 2012 - 2016 Article LB 24			1			

	Referința bibliografică a publicației k care citează Cu F.I. (Factor de Impact).	F.I. Impact Factor	$\sum_k S_k$	n_i	$\frac{1}{n_i} \sum_k S_k$
LB 25	A. C. Ciubotariu, L. Benea, P. L. Bonora, Corrosion Studies of Carbon Steel X60 by Electrochemical Methods , <i>Journal of Optoelectronics and Advanced Materials</i> , Vol. 12, No. 5, 2010, pp. 1170-1175 F.I. = 0.29		S_k / n_i Punctaj pe citare	3	4,99
2013	Citat 1 data in 2013 in Reviste ISI		1,66		1,66
	25.1 Oluwole O.O., Garus-Alaka W. , Ajide, O.O. Investigating Corrosion Characteristics of Electroplated Medium Carbon Steel in Sodium Carbonate Environment for Decorative Objects Applications . International Journal of Engineering and Technology, Volume 3 No. 3, March, 2013, pp. 368-375.	0.39	1,66		
2012	Citat 1 data in 2012 in Reviste ISI		3,33		3,33
	25.1 Olusegun Olufemi Ajide*, Kamorudeen Wemimo Agara. Comparative Assessment of Corrosion Behaviour of MCS and KS7 SS in Saline and Carbonate Environments . Journal of Minerals and Materials Characterization and Engineering, 2012, 11, 836-840.	0.58	3,33		
TOTAL CITĂRI 2010 - 2016 Article LB 25			2		

A.3.1. 3.1.2. Citări în BDI Necaculat

A3: 3.2. Prezentări invitate prezentate în plenul unor conferințe naționale și internaționale și Profesor invitat (exclusiv Erasmus).

TOTAL 3.2. = 316

3.2.1. = 160; 3.2.2 = 20; 3.2.3. = 136

3.2.1. Internaționale

8 x prezentări

Nr. crt	Prezentări invitate prezentate în plenul unor conferințe internaționale 8 x prezentări	Punctaj
	TOTAL 3.2.1.	160
20	<p>2014: Lidia BENEĂ. Nanocomposite layers obtained by electro-co-deposition: Corrosion and tribocorrosion properties, Keynote lecture at International Scientific Conference CORROSION 2014, Session 1, 18 – 21 November 2014, Gliwice, Poland. http://www.corrosion2014.polsl.pl/index.php?lang=en</p>	8
19	<p>2009: Lidia Benea, Simona F. Sorcaru, Pierre Ponthiaux, François Wenger, Jean Pierre Celis. Improving the corrosion resistance of cobalt coatings by co-deposition of ZrO₂ dispersed particles. Invited lecture presented at European COST 533 Action on Materials for Improved Wear Resistance of Total Artificial Joints final meeting , 2nd International Workshop on Biotribology - Bridging Engineering and Medicine held in Guimaraes, Portugal, 25-27 May 2009. www.ct2m.uminho.pt/biotrib2009/index</p>	8
18	<p>2009: Lidia Benea, Alina Ciubotariu, Wolfgang Sand, Bernard Tribollet. Materials characteristics influencing biofilm formation and growth. Invited lecture presented at: COST D33 - Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials; International Final Workshop, May 13th 2009 – May 15th 2009, Cluj-Napoca RO. www.fmet.ugal.ro/CC_ITES/Workshops</p>	8
17	<p>2009: Lidia Benea. COST D33 - WG1 activity report. Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials. Conference presented at: COST D33 - Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials; International Final Workshop, May 13th 2009 – May 15th 2009, Cluj-Napoca RO.</p>	8

	www.fmet.ugal.ro/CC ITES/Workshops	
16	<p>2009: Lidia Benea, Pierre Ponthiaux, Marilena Mardare, Jean Pierre Celis Alternative materials – Cobalt / UHMWPE composite coatings. Invited Conference presented at European COST 533 Action on Materials for Improved Wear Resistance of Total Artificial Joints final meeting , 2nd International Workshop on Biotribology - Bridging Engineering and Medicine held in Guimaraes, Portugal, 25-27 May 2009.</p>	8
15	<p>2008: Lidia Benea. Chemical, electrochemical and structural factors influencing the biofilm formation and growth. Invited Conference presented at: COST D33 - WG2 Meeting. Chemistry, Materials and Chemistry Engineering Department "Giulio Natta" Politecnico di Milano, Italia, 14 November 2008.</p>	8
14	<p>2008: G. Carac, L. Benea, A.M. Cantaragiu*, D. Thiemig Electrocodeposition of Hydroxyapatite Nanoparticles with Zinc-Iron Alloys. Invited Conference presented at: COST 533 “BIOTRIBOLOGY: MATERIALS FOR IMPROVED WEAR RESISTANCE OF TOTAL ARTIFICIAL JOINTS” WG’S 1,2,3,4 WORKSHOP PROGRAM. HOTEL ILISIA, MICHALAKOPOULOU 25 ATHENS, GREECE (GR), 7-8 OCTOBER 2008. 12th Management Committee Meeting.</p>	8
13	<p>2008: L. Benea, B. Tribollet, Mardare Marinela. Effect of nano sized SiC particles on the electrochemical corrosion behaviour of nickel coatings. Invited Conference presented at: COST D33 - 2nd Workshop: “Nanoscale Electrochemical and Bio-Processes (Corrosion) at Solid-Aqueous Interfaces of Industrial Materials” Obernai – France, May 14 - 15, 2008.</p>	8
12	<p>2006: Lidia Benea, P. Ponthiaux, F. Wenger, J. P. Celis. Electrochemical and surface analysis techniques to study metal/solution interface in tribocorrosion processes. KeyNote Lecture la Conferinta internationala ROMPHYSICHEM-12, 6-8 septembrie 2006, Bucuresti.</p>	8
11	<p>2005: L. Benea, V. Iordache, F. Wenger, P. Ponthiaux. Tribocorrosion study of nanostructured SiC-Ni composite coatings. Invited lecture at International Conference “Integrated Engineering Surface Technology for Engine Applications” organized jointly by US NIST (USA -National Science Foundation) and COST-ESF (European Science Foundation), in perioada 12-15 October 2005, la Porto – Portugalia.</p>	8
10	<p>2005: Lidia Benea Nano and micro structured metal – matrix composite coatings by electrolytic co-deposition. Invited Lecture presented at International Workshop “Surface degradation of materials and coatings by combined corrosion and wear” organised by KATHOLIEKE UNIVERSITEIT LEUVEN (KU.Leuven), Department of Metallurgy and Materials Engineering (MTM), Belgia, 29 March 2005.</p>	8

9	<p>2004: Lidia Benea Nano-structured composite coatings obtained by electrodeposition to be used in tribocorrosion systems: processing and properties investigation. Invited Conference on project M1 status and work, Working Groups Meeting, COST Action 532 "Triboscience and Tribotechnology: Superior friction and wear control in engines and transmissions ", 19-20 February, 2004, Bruxelles, Belgia.</p>	8
8	<p>2002: Lidia BENEĂ, Geta CARAC, Pier Luigi BONORA, Francois WENGER, Pierre PONTTHIAUX and Jacques GALLAND. Nanostructured composite coatings and marine biocorrosion. Invited Conference presented at 1st International Conference: "Study and Control of Corrosion in the Perspective of Sustainable Development of Urban Distribution Grids"; Constantza -Romania, Jun 6--8, 2002.</p>	8
7	<p>2002: Lidia Benea, Pier Luigi Bonora, François WENGER, Pierre PONTTHIAUX, Jacques GALLAND Processing and Properties of Electrodeposited Composite Coatings: Results and Perspectives. KEY NOTE LECTURE: 15TH International Corrosion Congress -Frontiers in Corrosion Science and Technology, Granada, Spain, September 22-27, 2002.</p>	8
6	<p>2001: Lidia BENEĂ, Pier Luigi BONORA, Alberto BORELLO, Stefano MARTELLI, François WENGER, Pierre PONTTHIAUX, Jacques GALLAND. Wear corrosion study of nanostructured composite coatings obtained by electroplating. Conferință prezentată (20 minute) la Congresul internațional "The 2001 JOINT INTERNATIONAL MEETING, The Electrochemical Society and The International Society of Electrochemistry", Symposium D1, Corrosion, September 2-7, 2001, San Francisco, USA.</p>	8
5	<p>2000: Lidia Benea. "Biological marine corrosion of SiC-Ni nano-structured coatings". Invited Conference at (30minute) European Action ESF - COST 520 BIOFOULING AND MATERIALS, Workshops, Madrid, Spania, 12-15 Noiembrie, 2000.</p>	8
4	<p>2000: Lidia Benea, Pier Luigi Bonora, Alberto Borello, Stefano Martelli, Georges Maurin. Electrodeposition of SiC nano-crystals with nickel. Invited Lecture presented (30 minute) la Congresul internațional 197th Meeting of The Electrochemical Society Inc., Symposium "TRIBOLOGY OF ELECTRODEPOSITED AND COMPOSITE LAYERS", Toronto, Canada, May 14-19, 2000.</p>	8
3	<p>2000: Lidia Benea, P. L. Bonora, A. Borello, S. Martelli, G. Maurin. Composite electrodeposition to obtain nano-structured coatings.</p>	8

	Invited Lecture presented (30 minute) la Congresul internațional International Symposium on “Soft Solution-Processing” (SSP-2000), Tokyo, Japan, 9-13 December 2000.	
2	1999: Lidia Benea, Olga Mitoseriu, J. Galland, F. Wenger, P. Ponthiaux. Corrosion study of copper composite coating by the impedance spectroscopy method. Invited lecture prezentată (30 minute) la Congresul internațional (Invited lecture) EUROCORR’99 Section Coatings, 30 august- 2 September 1999, Aachen, Germany.	8
1	1998: Lidia Benea: Comparative Study of Composite and pure Nickel Coatings Obtained by Electrodeposition. Conferință plenară (1 oră) invitată la Institutul de Cercetări Kyushu Institute of Technology, Kytakyushu, Japon, September 19, 1998.	8

3.2.2. Naționale 4 x prezentari

Nr. crt	Prezentări invitate prezentate în plenul unor conferințe internaționale 4 x prezentări	Punctaj
	TOTAL 3.2.2.	20
5	Lidia BENEĂ, Eliza DĂNĂILĂ. Electrochemical techniques applied to nanostructuring of surfaces and to materials, coatings or films characterization. Invited Lecture. Section 3: Functional Materials & Nanotechnologies , I.L. 3.3, pg. 23 – Book of Abstract. http://www.cssd-udjg.ugal.ro/index.php/abstracts Scientific Conference organized by the Doctoral Schools of “Dunărea de Jos” University of Galați (CSSD-UDJG 2016) , Fourth Edition of Scientific Conference of Doctoral Schools from UDJ Galați, 2 - 3 Iunie 2016,	4
4	2013: Lidia Benea. Electrochemical surface modifications and characterization methods – a promising avenue for functional materials. I.3.1. Invited conference at Conferința Științifică a Școlilor Doctorale din UDJ Galați CSSD-UDJG 2013 Ediția I , Galați, 16-17 mai 2013.	4
3	2011: Alina Ciubotariu, Lidia Benea, Wolfgang Sand. Sulphate reducing bacteria in biofilms on thermosetting polymers/zn composite coatings. Plenary Lecture at International Conference TEME 2011: New trends in environmental and materials engineering (TEME),	4

	18-20 May 2011, GALATI, ROMANIA	
2	2011: Adina Ionica Pavlov, Lidia Benea INFLUENCE OF CO-DEPOSITION PARAMETERS FOR ELECTROCHEMICAL SYNTHESIS OF Ni-TiO₂ NANOCOMPOSITE COATINGS – A REVIEW. Plenary Lecture at International Conference TEME 2011: New trends in environmental and materials engineering (TEME), 18-20 May 2011, GALATI, ROMANIA.	4
1	1997: Lidia Benea: Composite Electrodeposition – Achievements and Perspectives. Conferință plenară (1 oră) prezentată la International Conference “Ecology – Electroplating – Corrosion”, September 1997, Piatra Neamt, Romania.	4

3.2.3. Profesor Invitat

8 x profesor invitat

ACTIVITĂȚI DIDACTICE SI DE CERCETARE LA UNIVERSITATI DE PRESTIGIU DIN STRAINATATE

Nr crt	HOST Institution	Period FROM	TO	Position	Punctaj
				TOTAL	136
17	Ecole Centrale Paris, France	Jun 2014	July 2014	Invited Professor Attestation.pdf	8
16	Ecole Centrale Paris, France	July 2013	July 2013	Invited Professor Attestation.pdf	8
15	Ecole Centrale Paris, France	October 2011	October 2011	Invited Professor Attestation.pdf	8
14	Ecole Centrale Paris, France	05/10/2011	05/11/2011	Invited Professor Attestation.pdf	8
14	Ecole Centrale Paris, France	05/10/2011	05/11/2011	Invited Professor Attestation.pdf	8

13	Ecole Centrale Paris, France	01/06/2010	04/07/2010	Invited Professor Attestation.pdf	8
12	Katholieke Universiteit Leuven, Belgium	11/03/2010	24/03/2010	Invited Professor Attestation.pdf	8
11	Ecole Centrale Paris, France	22/06/2009	04/07/2009	Invited Researcher Attestation Lidia Benea Inv Researcher Jun 2009.	8
10	Ecole Centrale Paris, France	05/09/2009	11/09/2009	Invited Researcher Atestat_Lidia Benea Invited Researcher September 2009.pdf	8
9	UNIVERSIDADE DO MINHO, Portugal	23/05/2009	28/05/2009	Invited Professor Attestation.pdf	8
8	UNIVERSITA DEGLI STUDI DI L`AQUILA, Italy	17/09/2009	30/09/2009	Invited Professor Attestation.pdf	8
7	Ecole Centrale Paris, France	01/12/2008	29/12/2008	Invited Professor Attestation.pdf	8
6	Ecole Centrale Paris, France	25/03/2008	31/03/2008	Invited Professor Attestation.pdf	8
5	Ecole Centrale Paris, France	03/09/2007	16/09/2007	Invited Professor Attestation.pdf	8
4	Ecole Centrale Paris, France	03/12/2007	16/12/2007	Invited Researcher Short Term Scientific Mission, COST D33 Action. ESF-COST certificate.	8
3	UNIVERSITA DEGLI STUDI DI TRENTO, Italy	09/05/2007	20/05/2007	Invited Professor Attestation.pdf	8
2	Ecole Centrale Paris, France	01/11/2006	06/12/2006	Invited Researcher: Short Term Scientific Mission (STSM) COST Action number: 532, Working Group number: WG3.	8

				Host certificate.	
1	Ecole Centrale Paris, France	11/06/2006	10/07/2006	Invited Researcher and Professor Attestation.pdf	8
	Activitatea didactică din străinătate din perioada	1999 - 2005	Nu a fost	calculată	

3.3. Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice / Recenzor pentru reviste și manifestări științifice naționale și internaționale.

TOTAL 3.3 = 118

3.3.1. = 113; 3.3.2. = 5

3.3.1. ISI

Editor/chairman -12

Membru - 8

Recenzor - 5

	3.3.1. (1) Scientific Editorial Board ISI Membru - 8	Punctaj
	TOTAL 3.3.1. (1)	8
1	Member of Scientific Editorial Board ISI Journal: <i>ISRN Corrosion</i> . ISSN: 2090-8903 (Online) doi:10.5402/CORROSION.	8

Nr crt	3.3.1. (2) Scientific reviewer for ISI International Journals: 2002-2016 Recenzor - 5 / Jurnal ISI	Punctaj
	TOTAL 3.3.1 (2)	105
1	ACS Nano IF = 12.881. ID nn-2012-017316 ID nn-2012-03631d ID: nn-2011-03507y	5
2	Corrosion Science IF = 5.154. Ms. Ref. No.: CORSCI-D-16-00508 Ms. Ref. No.: CORSCI-D-15-00135 Ms. Ref. No.: CORSCI-D-15-00279 Ms. Ref. No.: CORSCI-D-15-00099 Ms. Ref. No.: CORSCI-D-13-01364 Ms. Ref. No.: CORSCI-D-14-00937 Ms. Ref. No.: CORSCI-D-14-00375 CORSCI-D-13-00628 CORSCI-D-11-01370	5
3	Electrochimica Acta IF= 4.504 Ms. Ref. No.: NB14-018 Manuscript Number: NB11-083	5
4	Journal of Solid State Electrochemistry IF =2.446. Manuscript reference: JSEL-D-16-00470	5
5	Surface and Coatings Technology IF = 1.998 Ms. Ref. No.: SURFCOAT-D-15-02592	5

	Ms. Ref. No.: SURFCOAT-D-14-01590 Ms. Ref. No.: SURFCOAT-D-14-02655 Ms. Ref. No.: SURFCOAT-D-12-01169 SURFCOAT-D-11-01587	
6	Scripta Materialia IF = 3.224. SMM-10-1266	5
7	Journal of Electroanalytical Chemistry IF = 2.729. Ms. No.: JELECHEM-D-14-01203 Ms. No.: JELECHEM-D-14-00220 JELECHEM-D-12-00833	5
8	Journal of Biomedical Materials Research: Part B – Applied Biomaterials IF = 2.759. JBMR-B-14-0262 JBMR-B-13-0508 JBMR-B-11-0528.R1 JBMR-B-11-0528	5
9	Wear IF = 1.862 Reference: IH-9882 Reference: IH-9882	5
10	Composites Part B IF = 2.983 JCOMB-D-11-00344	5
11	Tribology International IF = 1.936 Ms. Ref. No.: TRIBINT-D-16-00639 Ms. Ref. No.: TRIBINT-D-15-01025	5

12	<p>Materials and Design IF = 3.171 Ms. Ref. No.: JMAD-D-16-04121</p>	5
13	<p>Applied Surface Science IF = 2.711 Ref: APSUSC-D-14-04882R1 Ms. Ref. No.: APSUSC-D-14-04882 APSUSC-D-13-02741</p>	5
14	<p>Science and Technology of Advanced Materials IF = 3.513. Ms. Ref. No.: STAM-D-11-00143 Ms. Ref. No.: STAM-D-11-00143</p>	5
15	<p>Journal of Materials Science & Technology. IF = 1.909. Manuscript ID JMST-2015-0959</p>	5
16	<p>Materials Chemistry and Physics IF = 2.259. Ms. Ref. No.: MATCHEMPHYS-D-15-02502 Ms. Ref. No.: MATCHEMPHYS-D-15-02502 Ms. Ref. No.: MATCHEMPHYS-D-14-00812 MATCHEMPHYS-D-12-02401</p>	5
17	<p>Journal: ACS Applied Materials & Interfaces. I.F. = Manuscript ID : am-2016-018762.</p>	5
18	<p>Journal of The Electrochemical Society I.F. = 3.266 ECS Journals: MS #JESP-16-3945</p>	5

19	Chemical Engineering Journal I.F. = Ms. Ref. No.: CEJ-D-15-00640	5
20	RSC Advances I.F. = 3.84 Manuscript ID RA-ART-07-2013-043763.	5
21	International Journal of Materials Research I.F. = 0.819 Ms. No. MR3323 Manuscript number: MR3285 Manuscript_MR2917	5
Scientific Reviewer for International Ph.D. Thesis		
1.	Dicarboxylic acids as corrosion inhibitors for carbon steel in ground water. Autor Felicia Rajammal Selvarani, Supervisor: S. Rajendran. Universitatea Madurai Kamaraj University – India.	
2.	Inhibition of corrosion of mild steel in acidic media by some mannich bases. Autor: Mr. M. ANWAR SATHIQ. Supervisor: Dr. A. Jamal Abdul Nasser. Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, Tamil Nadu, India.	
3.	Inhibition of corrosion of mild steel in well water by phenolic compounds. authored by: Mrs. H BENITA SHERINE. Bharathidasan University, Thiruchirappalli - 620 024 – India.	

3.3.2. BDI

Editor/chairman - 10

Membru - 5

Recenzor - 3

	3.3.2. Scientific Editorial Board BDI Membru - 5	Punctaj
	TOTAL 3.3.2	5
1	Member of Scientific Editorial Board : <i>The Annals of "Dunarea de Jos" University of Galati, Fascicle IX. Metallurgy and Materials Science. ISSN 1453-083X.</i> ANALELE UNIVERSITĂȚII "DUNĂREA DE JOS" DIN GALAȚI. FASCICULA IX. METALLURGIE ȘI ȘTIINȚA MATERIALELOR	5

3.3.3. Naționale/internaționale neindexate

Editor/chairman - 5

Membru - 3

Recenzor - 2

Necalculat

3.4. Expert evaluare proiecte cercetare : TOTAL = 1750

3.4.1. = 1100

3.4.2. = 650

3.4.1. Internaționale

10*nr contracte evaluate

Nr crt	PROGRAM Evaluare / PROIECTE	Punctaj
	TOTAL PUNCTAJ 3.4.1.	1100
20	2017: Assessor Expert evaluator and rapporteur: H2020: REA-MSCA-H2020-IF-CHE. Marie Skłodowska-Curie CHEMISTRY. (5 projets).	50
19	2017: Assessor Expert evaluator and rapporteur: NCN: PRELUDIUM Grant proposal for the National Science Center, Poland. National Science Centre (Narodowe Centrum Nauki - NCN; http://www.ncn.gov.pl). Funding scheme PRELUDIUM (1 projet).	10
18	2017: Assessor Expert evaluator and rapporteur: H2020-IND-CE-2016-17, topic SPIRE-10-2017: New electrochemical solutions for industrial processing, which contribute to a reduction of carbon dioxide emissions. (8 projets).	80
17	2016: Assessor Expert evaluator and rapporteur: Eureka 2016 - Sesiunea II. Planului National III – Cooperare europeana si internationala – 3.5 Alte initiative si programe europene si internationale. (2 proiecte).	20
16	2015: Assessor Expert evaluator and rapporteur: H2020-MSCA-ITN-2015 – 'Innovative Training Networks EU remote evaluation, Februarie 2015. European Commission, Research Executive Agency, Unit REA-A1, Marie Skłodowska -Curie Innovative Training Networks. FP7: Horizon 2020: ID: EX2002B002205. (9 projets).	90
15	2015: Assessor Expert evaluator and rapporteur: H2020 NMP-19-2015: Materials for severe operating conditions, including added-value functionalities.	140

	Horizon 2020 Evaluators for NMP-19-2015 : Materials for severe operating conditions, including added-value functionalities. Research & Innovation Actions. 14 projets	
14	2015: Assessor Expert evaluator and rapporteur: FP7 Mid term review meeting FP7-PEOPLE-2013-ITN (EID) - SUSCOAT - 607882. Mid term review meeting FP7-PEOPLE-2013-ITN (EID) - SUSCOAT - 607882- 1 Oct 2015 - Ghent (Belgium). 1	10
13	2015: Assessor Expert evaluator and rapporteur: German-Egyptian Research Proposals related to application-oriented research in frame of the German-Egyptian Research Fund GERF. 2 projets.	20
12	2015: Assessor Expert evaluator and rapporteur: H2020-MSCA-IF-2015- CHE. EUROPEAN COMMISSION. Research Executive Agency, MSC Individual Fellowships, Chemistry Panel. Types of Action" (MSCA-IF-2015-EF-ST, MSCA-IF-2015-EF-RI, MSCA-IF-2015-EF-CAR & MSCA-IF-2015-GF). (12 projets).	120
11	2013: Assessor Expert and Technical Reviewer for the Research Project with Protocol No. EUREKA/EUYΦI/0609/01. DESMI 2009-2010 IS "EUREKA - Ongoing Projects. CO-FUNDED BY THE REPUBLIC OF CYPRUS AND THE EUROPEAN REGIONAL DEVELOPMENT FUND. (2 projets)	20
10	2012: Assessor Expert evaluator EVALUARE INOVARE MODULUL 5 UEFISCDI. European Cooperation (Cooperare Europeana) EUREKA-EUROSTARS. Modul 5 EUREKA. (2 proiecte).	20
9	2012: Assessor Expert evaluator and rapporteur Chemistry panel People Individual Marie Curie Actions (FP7-PEOPLE-2012-IEF-IIF-IOF). Chemistry panel – People. Individual Marie Curie Actions (FP7-PEOPLE-2012-IEF/ FP7-PEOPLE-2012-IIF/FP7-PEOPLE-2012-IOF. European Commission, Research Executive Agency. 17 projets.	170
8	2011: Assessor Expert evaluator and rapporteur. FP7-PEOPLE-2011-IEF, IIF & IOF, under the call FP7-PEOPLE-2011-IXF – CHE panel. (12 projets).	120
7	2011: Assessor Expert evaluator: Agence universitaire de la Francophonie. Bureau Europe centrale et orientale. Programme "Eugen Ionescu". 4 proiecte.	40
6	2010: Assessor Expert evaluator and rapporteur: EXPERT 2010 (UE): Blanc / Blue-Sky, de l'ANR (ANR EU). 2 projets.	20

5	2010: Assessor Expert evaluator and rapporteur FP7-NMP-2010-SMALL-4 stage 1 evaluations {REF RTD REG/G.3(2009)D/585763}. (7 projets).	70
4	2010: Assessor Expert evaluator and rapporteur: EXPERT 2010 (UE): Research Promotion Foundation (RPF) of Cyprus. Research Promotion Foundation (RPF) of Cyprus. (2 projets)	20
3	2010: Assessor Expert evaluator and rapporteur: FP7-ENERGY-2010-1 (OJ C177 of 30 July 2009): FP7-ENERGY-2010-1. Energy Theme of the Cooperation Programme. (7 projets).	70
2	2010: Assessor Expert evaluator and rapporteur: Agentia Universitara a Francofoniei, Bourses de recherche doctorale et de postdoctorat «Eugen Ionescu» gérées par l'Agence universitaire de la Francophonie. (3 projets).	30
1		

3.4.2. Naționale

5* nr contracte evaluate

Nr crt	PROGRAM Evaluare / PROIECTE	Punctaj
	TOTAL PUNCTAJ 3.4.2.	650
7	2017: Assessor Expert evaluator and rapporteur PNCDI III: Competitiile 2016 - Proiecte de cercetare pentru stimularea tinerelor echipe independente (TE) si Proiecte de cercetare postdoctorala (PD) din cadrul Subprogramului Resurse Umane. 33 proiecte.	165
6	2017: Assessor Expert evaluator and rapporteur: PNCDI III competiția "Proiecte Complexe realizate în consorții CDI", competiția 2017 (PCCDI2017). 19 proiecte.	95
5	2007-2015: CNCSIS - UEFISCDI - ANCS: Assesor Expert evaluator for Research Programmes: IDEI, CEEX, Partnership, TE, PNCDI, PCCA and Bilateral International Cooperation. 30 proiecte.	150

4	2016: Assessor Expert evaluator and rapporteur UEFISCDI-PN III-Transfer la operatorul economic. Domeniului 4. Eco-nano-tehnologii și materiale avansate. Planului National III - Competitia Bridge Grant. Procesul de evaluare Bridge Grant 2016. (20 proiecte).	100
3	2016: Assessor Expert evaluator and rapporteur UEFISCDI-PN III-Transfer la operatorul economic. Domeniului 4. Eco-nano-tehnologii și materiale avansate. Planului National III - PTE 2016 PTE 2016. (17 proiecte).	85
2	2016: Assessor Expert evaluator and rapporteur PN III , Cooperare internațională. Bilaterale Romania Moldova. (1 proiect)	5
1	2016: Assessor Expert evaluator and rapporteur: PN III. Programe NUCLEU 2016. Comisia 7 a CCCDI. 10 proiecte.	50

CRITERII OPȚIONALE: NECALCULAT

09/10/2017

Prof. univ. dr. Lidia BENEĂ

