

CHIMIE ȘI INGINERIE CHIMICĂ

Standarde minimale cerute: $S_{med} \geq 0.4$ și $P \geq 12$ și $C_{med} \geq 5$

Standarde calculate: $S_{med} =$ și $P = 12$ și $C_{med} =$ aprox 12.9 sau
 (după scorul relativ de influență (SRI) publicat de UEFISCDI în ianuarie 2012)

Fișă de verificare a îndeplinirii standardelor minimale: Prof. Dr. Lidia BENEĂ

$N_{ref}=20$, $N_S=18$, $N_C=13$

$$S_{med} = \frac{1}{\max(N_S, N_{ref})} \sum_{i=1}^{N_S} \frac{s_i}{n_i} \quad C_{med} = \frac{1}{\max(N_C, N_{ref})} \sum_{i=1}^{N_C} c_i \quad P = \sum_i \frac{s_i}{p_i}$$

Perioada după primirea diplomei de Doctor (1997 – 2012): S_{med} , C_{med} și P

Calculul indicatorilor S_{med} , și P

N_{ref}	N_S	Referința bibliografică: Articole ISI cu Scor relativ de influență $SRI \geq 0.5$ Link: Selected Peer Reviewed Papers http://www.fmet.ugal.ro/IMST/CV%20IMST/CV%20-%20Benea%20L_Noiembrie2011/BENEĂ%20Lidia-%20Home.pdf http://www.cc-ites.ugal.ro/CV%20-%20Benea%20L_Noiembrie2011/BENEĂ%20Lidia-%20Home.pdf	s_i	n_i	p_i	s_i/n_i	s_i/p_i
1	1	Lidia Benea. Electrodeposition of Zirconia Particles in a Copper Matrix. <i>Materials and Manufacturing Processes</i> , Vol 14, No: 2, Published: 1999, ISSN: 1042-6914. 231-242. DOI: 10.1080/10426919908914820.	0.53206	1	1	0.53206	0.53206
2	2	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: 10426914.	0.53206	6	-	0.08867	-

3	3	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. <a href="https://doi.org/10.1002/1521-4176(200007)51:7<491::AID-MACO491>3.0.CO;2-C">DOI: 10.1002/1521-4176(200007)51:7<491::AID-MACO491>3.0.CO;2-C	1.40476	5	1	0.28095	1.40476
4	4	Lidia BENEA, Pier Luigi BONORA, Alberto BORELLO, Stefano MARTELLI, François WENGER, Pierre PONTTHIAUX, 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 .	2.02948	7	1	0.2899	2.02948
5	5	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	1.97269	4	1	0.49317	1.97269
6	6	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 .	1.40476	4	1	0.35119	1.40476
7	7	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 .	1.63928	7	1	0.23418	1.63928
8	8	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.	1.97269	6	1	0.32878	1.97269

		DOI: 10.1016/j.wear.2003.06.003					
9	9	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	0.5675	6	-	0.09458	-
10	10	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 .	1.97269	5	-	0.39453	-
11	11	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 .	1.51351	3	2	0.5045	-
12	12	A. C. Ciubotariu, L. Benea , M. Lakatos–Varsanyi, V. Dragan. Electrochemical impedance spectroscopy and corrosion behaviour of Al ₂ O ₃ -Ni nano composite coatings. <i>Electrochimica Acta</i> . 53 (13), 2008, 4557-4563. ISSN: 0013-4686. DOI: 10.1016/j.electacta.2008.01.020 .	1.56116	4	2	0.39029	-
13	13	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 .	1.97269	4	1	0.49317	1.97269
14	14	Lidia Benea , Electrodeposition and tribocorrosion behaviour of ZrO ₂ -Ni composite coatings. <i>Journal of Applied Electrochemistry</i> . (2009) 39 1671–1681. ISSN: 0021-891X. DOI: 10.1007/s10800-009-9859-5 .	0.73089	1	1	0.73089	0.73089

15	15	Lidia BENEĂ, Pierre PONTIAUX, Francois WENGER. Co-ZrO ₂ electrodeposited composite coatings exhibiting improved micro hardness and corrosion behaviour in simulating body fluid solution. Surface & Coatings Technology . 205, 2011. 5379-5386. ISSN: 0257-8972. DOI: 10.1016/j.surfcoat.2011.05.050 .	1.51351	3	1	0.5045	1.51351
16	16	L. Benea; S. F. Sorcaru; P. Ponthiaux; F. Wenger. Electrosynthesis and performances of cobalt-ceria nanocomposite biocoatings. Advances in Applied Ceramics . Published online 27 December 2011. Volume 111, Number 3, April 2012 ,pp. 134-141(8). ISSN: 1743-6753 DOI: http://dx.doi.org/10.1179/1743676111Y.0000000068	2.88608	4	1	0.72152	2.88608
17	17	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. Journal of Membrane Science . Volume 389, 1 February 2012. Pages 155-161. ISSN: 0376-7388. doi:10.1016/j.memsci.2011.10.025	2.74214	6	-	0.45702	-
18	18	Lidia BENEĂ. Electrochemical Impedance Spectroscopy and Corrosion Behavior of Co/CeO ₂ Nanocomposite Coatings in Simulating Body Fluid Solution. Metallurgical and Materials Transactions A . Vol 43A, pp 1-9, 2012 (November). ISSN 1073-5623. DOI: 10.1007/s11661-012-1422-z	4.80357	1	1	4.80357	4.80357
19	-	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. OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS . Vol. 6, No. 3-4, March - April 2012, p. 474-478.	0.22840	1	1	-	-
20		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. Revue Roumaine de	0.12983	1	1	-	-

		<i>Chimie. vol. 45, no 3</i> , Published: 2000, p.255 – 261. ISSN: 0035-3930.			
		TOTAL	$\sum_{i=1}^{N_S} \frac{s_i}{n_i} = \mathbf{11.69287}$		P=22.86246
TOTAL (1999-2012): N _S =18 N _{ref} =20			$S_{med} = \frac{1}{\max(N_S, N_{ref})} \sum_{i=1}^{N_S} \frac{s_i}{n_i}$		$P = \sum_i \frac{s_i}{P_i} =$
			11.69287 / 20= 0.5846		22.86246

Față de standardele minimale cerute, procentul de îndeplinire este după cum urmează:

Nr. Crt.	Standard S _{med}	Standard P	Standard C
1	Minimal: $S_{med} = \frac{1}{\max(N_S, N_{ref})} \sum_{i=1}^{N_S} \frac{s_i}{n_i} \geq 0.4$	Minimal: $P = \sum_i \frac{s_i}{P_i} \geq 12$	Minimal: $C_{med} = \frac{1}{\max(N_C, N_{ref})} \sum_{i=1}^{N_C} c_i \geq 5$
2	Calculat: $\sum_{i=1}^{N_S} \frac{s_i}{n_i} = 11.69287 \times (\frac{1}{20} = 0.05)$ =0.5846	Calculat: P=22.86246	Calculat: C= aprox 12.9 sau 19.8
3	Procent îndeplinire=146%	Procent îndeplinire=190.5 %	Procent îndeplinire=258%

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H index = 11



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Date of creation: 12 October 2012

This is a citation overview for a set of 25 documents.

h index = 11

Of the 25 documents considered for the h-index, 11 have been cited at least 11 times.

Note: Scopus does not have complete citation information for articles published before 1996.

11 articole ISI publicate cu număr de citări pe fiecare articol >11 ,
Hirsch Index (H) = 11

Conform tabelor de mai jos cu citările pe fiecare articol. LB1-LB13 (numai citările din articole ISI)

TOTAL CITARI PE 13 Articole ISI (LB 1-LB 13) 2011-2002	366
din care	258 cu SRI (Scor relativ de influență). ≥ 0.50

Prof Dr Lidia BENEĂ – Chimie și Inginerie Chimică: Calcul indicator C_{med} (citări din perioada 2002-2011 a articolelor ISI publicate)

$N_{ref} = 20, N_C = 13$

Cited Articles during 2002-2011
TABEL CU CITĂRI PE ANI ȘI ARTICOLE ISI PUBLICATE
 (CITĂRI IN ARTICOLE ISI - PERIOADA 2002 - 2011)

$$C_{med} = \frac{1}{\max(N_C, N_{ref})} \sum_{i=1}^{N_C} c_i$$

	Referința bibliografică a publicației k care citează Cu SRI (Scor relativ de influență) ≥ 0.50 Link: Prof Dr Lidia Benea Cited Articles www.cc-ites.ugal.ro/	S _k (SRI)	$\sum_k S_k$	n _i	C _i	$\sum_{i=1}^{N_C} c_i$
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).		132.252	5	72	72
2011	Citat de 15 ori in 2011 in Reviste ISI (10 cu SRI ≥ 0.5)	-	15.8646		10	
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	SRI=1.51351				
1.2	Tian, L., Xu, J.; Electrodeposition and characterization of Ni-Y₂O₃ Composite ; (2011) <i>Applied Surface Science</i> 257 (17), pp. 7615-7620	SRI=1.379				
1.3	Lekka, M., Lanzutti, A., Zanella, C., Zendron, G., Fedrizzi, L., Bonora, P.L.; Resistance to localized corrosion of pure Ni, microand nano-SiC composite electrodeposits ; (2011) <i>Pure and Applied Chemistry</i> 83 (2), pp. 295-308.	SRI=2.686				
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.	-				
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.	SRI=2.02948				
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.	SRI=1.97269				
1.8	Vathsala, K., Venkatesha, T.V.; Zn-ZrO ₂ nanocomposite coatings: Electrodeposition and evaluation of corrosion resistance . (2011) <i>Applied Surface Science</i> 257 (21), pp. 8929-8936.	SRI=1.379				
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	SRI=0.5				
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.	SRI=1.379				
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.	SRI=1.513				
1.13	Shoeib, M.A., Electrodeposited zinc/nickel coatings- A review . (2011) <i>Galvanotechnik</i> 102 (10), p. 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.	SRI=1.513				
2010	Citat de 14 ori in 2010 in Reviste ISI (8 cu SRI ≥0.5):		11.34347		8	
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.	SRI=1.513				
1.3.	M. Lekka, C. Zanella, A. Klorikowska; Scaling-up of the electrodeposition process of nanocomposite coating for corrosion and wear protection ; <i>Electrochimica Acta</i> 55 (2010) 7876–7883.	SRI=1.56116				

	1.4	P. Bagheri, 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.	SRI=1.513				
	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.	SRI=1.513				
	1.6	B. Ranjith, G. Paruthimal Kalaigan; Ni-Co-TiO₂ nanocomposite coating prepared by pulse and pulse reversal methods using acetate bath ; <i>Applied Surface Science</i> 257 (2010) 42–47.	SRI=1.379				
	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.	-				
	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.	SRI=1.40476				
	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.	SRI=0.33089				
	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.	SRI=0.5675				
	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.	SRI=1.56116				
2009	Citat de 12 ori in 2009 in Reviste ISI (6 cu SRI ≥0.5):		-	10.512		6	
	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).	SRI=1.513				
	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).	SRI=2.9				
	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).	-				

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).	SRI=1.561				
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).	SRI=1.561				
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).	SRI=0.438				
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).	SRI=1.379				
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).	SRI=1.16				
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.	-				
2008	Citat de 9 ori in 2008 in Reviste ISI (9 cu SRI ≥0.5)	-	13.6885		9	
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).	SRI=0.636				
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).	SRI=1.629				
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).	SRI=2.9				
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</i>	SRI=0.5675				

		<i>Engineering</i> . 24 (3), pp. 236-239 , (2008).					
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).	SRI=2.62				
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).	SRI=1.5135				
1.7		Vaezi M.R., Sadrnezhad 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).	SRI=0.93				
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2008		Citat de 1 ori in 2008 in Reviste ISI	-	2.25		1	
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TOTAL CITĂRI 2011 – 2006 Article LB 2				22 (din care 21 cu SRI ≥0.5)			
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	Sk (SRI)	$\sum_k S_k$	n_i	C_i	$\sum_{i=1}^{N_C} C_i$		

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2011	Citat de 9 ori in 2011 in Reviste ISI (6 cu SRI ≥0.5)		10.9584		6	
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2010	Citat de 12 ori in 2010 in Reviste ISI (7 cu SRI ≥0.5)		10.6825		7	
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LB 4		Ciubotariu A., <u>Benea L.</u> , 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.		25.5886	4	18	18
2011		Citat de 13 ori in 2011 in Reviste ISI (9 cu SRI ≥0.5)		12.42914		9	
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	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	SRI=1.06158				

	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	SRI=0.73089				
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	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.	SRI=1.51351				
	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.	SRI=0.75				
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		sprayed Al₂O₃-13% TiO₂ coatings in aqueous hydrochloric acid solution ; <i>Materials and Corrosion</i> , 2010, 61 (7), pp. 611-617.				
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	4.5	Bagheri 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.	SRI=1.51351			
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	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.	SRI=1.06158			
	Citat de 3 ori in 2009 in Reviste ISI (1 cu SRI ≥0.5)		-	4.09		1
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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).	SRI=1.19				
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LB 5	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.		55.37638	7	34	34

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2011	Citat de 11 ori in 2011 in Reviste ISI (9 cu SRI ≥0.5):		12.494		9	
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)	SRI=1.03				
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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.	SRI=1.51351				
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.	SRI=0.46429				
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.	SRI=1.51351				
5.6	P. Narasimman, Malathy Pushpavanam, V.M. Periasamy ; Synthesis, characterization and	SRI=1.379				

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2010		Citat de 7 ori in 2010 in Reviste ISI (4 cu SRI \geq0.5):		4.7435		4
5.1		M. Aliofkhaezrai, Sh. Ahangaranib 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.	SRI=1.74			
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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.	-			
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.	SRI=1.51351			
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	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.	SRI=1.5135				
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	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.	SRI=0.83				
	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).	SRI=2.02948				
	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.	SRI=1.40476				
	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/s11665-011-9835-1Online First.	SRI=0.57419				
	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.	SRI=0.46334				
2009	Citat de 4 ori in 2009 in Reviste ISI (2 cu SRI ≥0.5):			2.02334		2	
	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).	-				

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	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).	SRI=0.46334				
	7.3	García-Lecina E., García- Urrutia I., Díez J.A., Salvo M., Smeacetto F., Gautier G., Seddon R., Martín R.; Electrochemical preparation and characterization of Ni/SiC compositionally graded multilayered coatings ; <i>Electrochimica Acta</i> 54 (9), pp. 2556-2562 (2009).	SRI=1.56				
	7.4	Henao 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.	-				
TOTAL CITĂRI 2011 – 2009 Article LB 7			12 (din care 9 cu SRI ≥0.5):				
	Referința bibliografică a publicației la care citează Cu SRI (Scor relativ de influență) ≥ 0.5		S_k (SRI)	$\sum_k S_k$	n_i	C_i	$\sum_{i=1}^{N_C} C_i$
LB 8	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.			21.00085	6	9	9
2011	Citat 1 data in 2011 in Reviste ISI (1 cu SRI ≥0.5):		-	1.69247		1	
	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, 2011.	SRI=1.69247				
2010	Citat de 2 ori in 2010 in Reviste ISI (2 cu SRI ≥0.5):			2.8925		2	
	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.	SRI=1.5135				
	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:	SRI=1.379				

		257, Issue: 3, Pages: 717-722, Published: NOV 15 2010.				
2009	Citat de 3 ori in 2009 in Reviste ISI (2 cu SRI ≥0.5):			3.78		2
	8.1	Schneider O., Martens S., Argirusis Chr.; Sonoelectrochemical deposition of functional composite layers ; <i>ECS Transactions</i> 16 (25), pp. 107-118 (2009).	-			
	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).	SRI=2.9			
	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).	SRI=0.88			
2008	Citat de 3 ori in 2008 in Reviste ISI (2 cu SRI ≥0.5):			3.92		2
	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).	SRI=2.9			
	8.2	Argirusis Chr., Matić 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 Materials</i> 205 (10), pp. 2400 – 2404 (2008).	SRI=1.02	-		
	8.3	Zhou Y., Zhang H., Friction and wear resistance of the as Co-deposited Ni-CeO₂ nanocomposite coating , <i>Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering</i> 37 (3), pp. 448-451 (2008).				
2006	Citat de 2 ori in 2006 in Reviste ISI (2 cu SRI ≥0.5):		-	8.71588		2
	8.1	Xue Y.-J., Jia X.-Z., Zhou Y.-W, Ma W., Li J.-S.; Tribological performance of Ni-CeO₂ composite coatings by electrodeposition ; <i>Surface and Coatings Technology</i> , Volume 200, Issue 20-21, May 2006, Pages 5677-5681.	SRI=1.5135			
	8.2	N.S. Qu, D. Zhu, K.C. Chan; Fabrication of Ni–CeO₂ nanocomposite by electrodeposition ; <i>Scripta Materialia</i> , Volume 54, Issue 7, April 2006, Pages 1421-1425.	SRI=7.20238			
TOTAL CITĂRI 2011 – 2006, Article LB 8			11 (din care 9 cu SRI ≥0.5):			

	Referința bibliografică a publicației k care citează Cu SRI (Scor relativ de influență) ≥ 0.5	S _k (SRI)	$\sum_k S_k$	n _i	C _i	$\sum_{i=1}^{N_C} C_i$
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; <i>Materials and Corrosion, -Werkstoffe und Korrosion</i>, Volume: 53, Issue: 1, Pages: 23-29 Published: JAN 2002.		21.38099	4	14	14
2011	Citat de 8 ori in 2011 in Reviste ISI (5 cu SRI ≥ 0.5):		7.78776		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	SRI=0.83156				
	9.2 Kozako, H.; Sakurai, J.; Mukai, N.; Ohnuma, Y.; Takahashii, T.; Hata, S.; Corrosion resistance 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.	SRI=1.4				
	9.3 Fodor, L., Micle, V.; Electrolytic deposition a perspective solution of Nanocomposites. 2011, <i>Metalurgia International</i> 16 (5), pp. 51-55.	-				
	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.	-				
	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.	SRI=2.11533				
	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.	SRI=2.80357				
	8.7 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.	SRI=0.63730				
	8.8 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.	-				
	Citat de 3 ori in 2010 (2 cu SRI ≥ 0.5):		3.5992		2	

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.	SRI=2.11533				
	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.	SRI=1.48387				
	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 (1 cu SRI ≥0.5):				2.80357		1	
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.	SRI=2.80357				
	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.	-				
Citat 1 data in 2008 in Reviste ISI (0 cu SRI ≥0.5):				0		0	
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.	-I				
	Citat de 4 ori in 2007 in Reviste ISI (2 cu SRI ≥0.5):				2.2524		2
2007	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	SRI=1.5135				
	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.	SRI=0.73089				
	9.3	B. Sheptytska , J. Senatorial; Effect Elektrosazhdennyh 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 (3 cu SRI ≥0.5):			4.406		3
	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.	SRI=1.5135			
	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.	SRI=1.5135			
	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.	SRI=1.379			
	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 (1 cu SRI ≥0.5):			0.53206		1
	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.	SRI=0.53206			
TOTAL CITĂRI 2011 – 2005, Article LB 9			23 (din care 14 cu SRI ≥0.5):			
	Referința bibliografică a publicației k care citează Cu SRI (Scor relativ de influență). ≥ 0.5	Sk (SRI)	$\sum_k S_k$	n_i	c_i	$\sum_{i=1}^{N_C} c_i$
LB10	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		29.6875	6	15	15

	(9-10), pp. 948-953.				
2011	Citat de 3 ori in 2011 in Reviste ISI (3 cu SRI ≥0.5):		4.20528		3
	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.	SRI=1.12903			
	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.	SRI=1.48387			
	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.	SRI=1.59238			
2010	Citat de 4 ori in 2010 in Reviste ISI (3 cu SRI ≥0.5):		4.58559		3
	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.	SRI=1.97269			
	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	SRI=1.48387			
	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).	-			
	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.	SRI=1.12903			
2009	Citat de 2 ori in 2009 in Reviste ISI (1 cu SRI ≥0.5):		4.27381		1
	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).	SRI=4.27381			
	10.4 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			

2008	Citat de 3 ori in 2008 in Reviste ISI (3 cu SRI ≥0.5):			6.97808		3	
	10.1	Lu R., Minarro L., Su Y.-Y., Shemensi 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).	SRI=2.83333				
	10.2	Mischler S., Triboelectrochemical techniques and interpretation methods in tribocorrosion: A comparative evaluation , <i>Tribology International</i> 41 (7), pp. 573-583 (2008).	SRI=2.11533				
	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).	SRI=2.02948				
2007	Citat 1 data in 2007 in Reviste ISI (0 cu SRI ≥0.5):			0			
	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.	-				
2006	Citat se 5 ori in 2006 in Reviste ISI (5 cu SRI ≥0.5):			9.64474		5	
	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.	SRI=1.81				
	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).	SRI=1.97269				
	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)	SRI=1.97269				
	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).	SRI=1.97269				
	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).	SRI=1.91667				
TOTAL CITĂRI 2011 – 2006 Article LB 10			18 (din care 15 cu SRI ≥0.5):				

	Referința bibliografică a publicației k care citează Cu SRI (Scor relativ de influență). ≥ 0.5	S _k (SRI)	$\sum_k S_k$	n _i	C _i	$\sum_{i=1}^{N_C} C_i$
LB 11	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.		6.7075	5	5	5
2011	Citat de 1 dată în 2011 în Reviste ISI (1 cu SRI ≥ 0.5):		1.5135		1	
	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.	SRI=1.5135				
	Citat de 3 ori în 2010 în Reviste ISI (3 cu SRI ≥ 0.5):		4.344		3	
	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.	SRI=2.09970				
	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.	SRI=0.73089				
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.	SRI=1.5135					
2009	Citat 1 dată în 2009 în Reviste ISI (1 cu SRI ≥ 0.5):		0.85		1	
	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.	SRI=0.85				
2007	Citat 1 dată în 2007 în Reviste ISI (0 cu SRI ≥ 0.5):		0		0	

	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				
TOTAL CITĂRI 2010 - 2002 Article LB 11			7 (din care 5 cu SRI ≥0.5):				
		Referința bibliografică a publicației k care citează Cu SRI (Scor relativ de influență) ≥ 0.5	S_k (SRI)	$\sum_k S_k$	n_i	C_i	$\sum_{i=1}^{N_C} C_i$
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.		9.40345	1	4	4
2011	Citat de 2 ori in 2011 in Reviste ISI (2 cu SRI ≥0.5):			6.83305		2	
	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	SRI=2.02948				
	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.	SRI=4.80357				
	Citat 1 data in 2009 in Reviste ISI (1 cu SRI ≥0.5):			1.19140		1	
2009	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.	SRI=1.19140				
2006	Citat 1 data in 2006 in Reviste ISI (1 cu SRI ≥0.5):			0		0	
	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				

2005	Citat 1 data in 2005 in Reviste ISI (1 cu SRI ≥0.5):		1.379		1		
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.		SRI=1.379				
TOTAL CITĂRI 2011 - 2005 Article LB 12			5 (din care 4 cu SRI ≥0.5):				
	Referința bibliografică a publicației k care citează Cu SRI (Scor relativ de influență). ≥ 0.5		Sk (SRI)	$\sum_k S_k$	n_i	C_i	$\sum_{i=1}^{N_C} C_i$
LB 13	Lidia Benea. Electrodeposition and tribocorrosion behaviour of ZrO ₂ -Ni composite coatings. <i>Journal of Applied Electrochemistry</i> , 39, 2009, 1671-1681.			3.5678	1	1	1
2011	Citat de 2 ori in 2011 in Reviste ISI (1 cu SRI ≥0.5):			3.5678		1	
13.1	A. Samide* and B. Tutunaru. Study of the Corrosion Resistance of Ni/CeO ₂ Composite Coatings Electrodeposited on Carbon Steel in Hydrochloric Acid. <i>Chem. Biochem. Eng. Q.</i> 25 (2) 203-208 (2011).		SRI= 3.18090				
13.2	Bełtowska-Lehman, E., Góral, A., Indyka, P. Electrodeposition and characterization of Ni/Al ₂ O ₃ nanocomposite coatings. <i>Archives of Metallurgy and Materials</i> 56 (4), pp. 919-931.		SRI=0.38690				
TOTAL CITĂRI 2011 Article LB 13			2				

$$\text{SUMAR INDICATOR } C_{\text{med}} \quad C_{\text{med}} = \frac{1}{\max(N_C, N_{\text{ref}})} \sum_{i=1}^{N_C} c_i \quad (\text{LB1 - LB13})$$

Nr crt	Cod	Autori / Titlu	$\sum_{i=1}^{N_C} c_i$
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).	72
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.	21
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.	16
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.	18
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.	34
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.	40
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.	9
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.	9
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> , Vol.: 53, Issue: 1, Pages: 23-29, 2002.	14
10	LB10	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.	15
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.	5
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.	4
13	LB13	Lidia Benea. Electrodeposition and tribocorrosion behaviour of ZrO₂-Ni composite coatings . <i>Journal of Applied Electrochemistry</i> , 39, 2009, 1671-1681.	1
$N_{\text{ref}} = 20, N_C = 13.$ $\text{TOTAL } \sum_{i=1}^{13} c_i = 258 : C_{\text{med}} = \frac{258}{N_{\text{ref}} = 20} = 12.9 \text{ sau } \frac{258}{N_C = 13} = 19.8$			258

Prof. Dr. Lidia BENEĂ

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