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SELECTED PEER-REVIEWED PAPERS
 Lucrări publicate în reviste cotate ISI si Citări
 (ISI publications and number of citations)

Nr crt	Authors	Article title	Journal title	Volume	Pages	Impact factor	Scor relativ de influență (Revistă)	No of citations
							*Cumulat: 29.46424	366
31	Lidia Benea, Eliza Maradre ¹ , Jean-Pierre Celis ²	Influence of fretting parameters on tribocorrosion behavior of untreated Ti-6Al-4V alloy in artificial saliva solution.	Wear	IH-7104 In publicare ISSN: 0043-1648		1.509	2.07764	
30	Lidia Benea	Eelectrochemical impedance spectroscopy and corrosion behaviour of Co/CeO ₂ nanocomposite coatings in simulating body fluid solution.	Metallurgical and Materials Transactions A	E-TP-11-1261-A ISSN: 1073-5623		1.712	4.87805	
29	Lidia BENEÀ, Pierre PONTIAUX, François WENGER	Repassivation kinetic of Co-Cr alloy – influence of environment and depassivation process	Journal of optoelectronics and advanced materials JOAM	2011 ISSN: 1454-4164		0.412	0.33626	-
28	Eliza MARDARE, Lidia BENEÀ*	Electrochemical modifications of titanium and titanium alloys surface for biomedical applications – a review	Journal of optoelectronics and advanced materials	2011 ISSN: 1454-4164		0.433	0.33626	-
27	Lidia BENEÀ, Alina CIUBOTARIU, Wolfgang SAND	Biofilm formation and corrosion resistance of Ni/SiC nanocomposite layers.	International Journal of Materials Research	MR2865 ISSN: 1862-5282	-	0.819	1,93921	-
26	Lidia BENEÀ ^{1,*} , Simona F. SORCARU ² , Pierre PONTIAUX ² , François WENGER ²	Electro synthesis and performances of cobalt/ceria nanocomposite biocoatings	Advanced Applied Ceramics: Advances in Applied Ceramics: Structural, Functional and Bioceramic.	AAC1019 Accepted 31-10-2011 Online 27 dec 2011 ISSN: 1743-6753		0.726	2.89831	
DOI: 10.1179/1743676111Y.0000000068								
25	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	ISSN: 0376-7388 Volume 389, 1 February 2012.	Pages 155-161	3.673	2,64198	

[doi:10.1016/j.memsci.2011.10.025](https://doi.org/10.1016/j.memsci.2011.10.025)

24	Lidia BENEÀ, Pierre PONTTHIAUX, Francois WENGER	Co-ZrO ₂ electrodeposited composite coatings exhibiting improved micro hardness and corrosion behaviour in simulating body fluid solution. DOI: 10.1016/j.surfcoat.2011.05.050	Surface & Coatings Technology	205, issues 23-24, 2011. ISSN: 0257-8972	p. 5379-5386	1.793	1.67078	1
23	L. Benea, M. Mardare-Prælea	Electrodeposition of UHMWPE particles with cobalt for biomedical applications	Digest Journal of Nanomaterials and Biostructures	Volume 6, Number 3, July-September 2011 ISSN 1842 - 3582	1025-1034	1.750	0	-
22	A. C. Ciubotariu, L. Benea, P. L. Bonora	Corrosion studies of carbon steel X60 by electrochemical methods.	Journal of optoelectronics and advanced materials	Volume: 12, Issue: 5 Published: MAY 2010 ISSN: 1454-4164	1170-1175	0.433	0.33626	-
21	Lidia Benea	Electrodeposition and tribocorrosion behaviour of ZrO ₂ -Ni composite coatings. DOI: 10.1007/s10800-009-9859-5 .	Journal of Applied Electrochemistry	(2009) 39 ISSN: 0021-891X	1671-1681	1.697	0.93241	1
20	L. Benea, F.Wenger, P. Ponthiaux, J.P. Celis	Tribocorrosion behaviour of Ni-SiC nano-structured composite coatings obtained by electrodeposition DOI: 10.1016/j.wear.2008.04.018	Wear	Volume: 266, Issue: 3-4, Published: 2009 ISSN: 0043-1648	398-405	1.509	2.07764	25
19	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.	Journal of optoelectronics and advanced materials	Volume: 11, Issue: 6 Published: 2009 ISSN: 1454-4164	892-897	0.433	0.33626	
18	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. DOI: 10.1016/j.electacta.2008.01.020 .	Electrochimica Acta	53 (13), Published: 2008, ISSN: 0013-4686	4557-4563	3.325	1.62912	29
17	Felicia Bratu, Lidia Benea, Jean-Pierre Celis	The influence of fretting parameters on tribocorrosion behaviour of AISI 304L stainless steel in ringer solution	Revista de Chimie Coresp auth	59 (3), Published: 2008, ISSN: 0034-7752	346-350	0.261	0.09274	
16	Felicia Bratu, Lidia Benea, Jean-Pierre Celis	Tribocorrosion behaviour of Ni-SiC composite coatings under lubricated conditions. DOI: 10.1016/j.surfcoat.2006.12.027	Surface & Coatings Technology	201, 2007 ISSN: 0257-8972	6940-6946	1.793	1.67078	12
15	Geta Cârâc, Cătălina Iticescu, Lidia Benea, Thomas Lampke and Siegfried Steinhauser	The effect of nano-Al ₂ O ₃ dispersed phase in nickel matrix electrocodeposited	Revue Roumaine de Chimie	52(11), Published: 2007, ISSN: 0035-3930	1057-1062	0.262	0.12983	
14	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	Wear	Volume 261, Issue 9, 20 November 2006 ISSN: 0043-1648	987-993	1.509	2.07764	23

		solution. DOI: 10.1016/j.wear.2006.03.003.						
13	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. DOI: 10.1016/j.wear.2003.06.003.	Wear, Special Issue Wear Modelling	256, Published: 2004, Issues 9-10, ISSN: 0043-1648	948-953	1.509	2.07764	18
12	G. Cârâc, L. Benea, C. Iticescu, T. Lampke, S. Steinhäuser, B. Wielage	Codeposition of Cerium Oxide With Nickel and Cobalt: Correlation Between Microstructure and Microhardness. DOI: 10.1179/026708404X1134	Surface Engineering	vol. 20, no. 5, Published: 2004 ISSN 0267-0844	353-359	0.571	0.46365	11
11	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. doi:10.1016/S0167-2738(02)00586-6 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/	Solid state ionics	vol. 151, no 1-4, Published: 2002 ISSN: 0167-2738	89-95	1.599	1.58829	54
10	L. Benea, P.L. Bonora, A. Borello, S. Martelli	Effect of sic size dimensions on the corrosion wear resistance of the electrodeposited composite coating. <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.	Materials and Corrosion	Volume 53, Issue 1, Published: 2002, ISSN 0947-5117	23-29	0.802	1.5076	23
9	Lidia Benea, Pier Luigi Bonora, Alberto Borello, Stefano Martelli	Wear corrosion properties of nano-structured SiC – nickel composite coatings obtained by electroplating. doi:10.1016/S0043-1648(01)00844-4	Wear	Volume : 249, 2002, 995-1003. ISSN: 0043-1648	995-1003	1.509	2.07764	97
8	Lidia BENEÀ, Pier Luigi BONORA, Alberto BORELLO, Stefano MARTELLI, François WENGER, Pierre PONTIAUX, Jacques GALLAND	Composite electrodeposition to obtain nano-structured coatings. http://dx.doi.org/10.1149/1.1377279.	Journal of The Electrochemical Society	148 (7), Published: 2001, CODEN: JESQAN; ISSN: 0013-4651	C 461-C 465	1.896	2.17558	66
7	L. BENEÀ	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 Chimie	vol. 45, no 3, Published: 2000 ISSN: 0035-3930	255 – 261	0.262	0.12983	
6	L. Benea, O. Mitoseriu, J. Galland, F. Wenger, P. Ponthiaux	Corrosion study of copper composite coating by impedance spectroscopy method. <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	Materials and Corrosion	51, Published: 2000, ISSN 0947-5117	491-495	0.802	1.5076	7
5	L. BENEÀ	Comparative corrosion studies of composite coatings by impedance spectroscopy method. 1. Theoretical aspects of	Revue roumaine de chimie	Vol : 4 , No: 5 Published: 1999, ISSN: 0035-3930	439 – 444	0.262	0.12983	

		the impedance spectroscopy method in corrosion studies.						
4	D. T. Levcovici, V. Munteanu, S. M. Levcovici, O. Mitoseriu, L. Benea, M. Paraschiv	Laser Processing of MMC Layers on Metal Base.	Materials and Manufacturing Processes	Volume: 14, Issue: 4 Published 1999 ISSN 1042-6914	475-487	0.802	0.65642	2
DOI: 10.1080/10426919908914844								
3	Lidia Benea	Electrodeposition of Zirconia Particles in a Copper Matrix.	Materials and Manufacturing Processes	Vol 14, No: 2, Published: 1999, ISSN: 1042-6914	231-242	0.802	0.65642	5
DOI: 10.1080/10426919908914820								
2	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 TECHNOLOGIE S XI	Published: 1998, BOOK- INSTITUTE OF MATERIALS, 691, ISSN: 1366-5510	417-422			
1	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 TECHNOLOGIE S XI	Published: 1998, BOOK- INSTITUTE OF MATERIALS, 691, ISSN : 1366-5510	649-660			

*Numai cifrele rosii, articole publicate.

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10 published papers cited at list 10 times. Hirsch Index (H) = 10

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Lucrări publicate în reviste cotate ISI, înainte de 1998

Nr crt	Authors	Article title	Journal title	Volume	Pages	Impact factor	Scor relativ de influență (Revistă)	No of citations
5	LIDIA BENEĂ AND GETA CARAC	Obtaining of composite coatings by metal electrodeposition using dispersed particles	Metallurgy and New Materials Researches	Vol V No 2, 1997	20-40			
4	LIDIA BENEĂ, O. MITOSERIU AND MAGDA LAKATOS VARSANYI	Electrodeposition of Zirconium Oxide and Silicon Carbide with Nickel	STUDIA UNIV. BABES BOLYAI, CHEMIA	41, 2, 1996	p. 233 - 315			
3	LIDIA BENEĂ-(ENACHE); I.OVESEA; D. ENACHE	Cercetari privind electrodepunerea cromului pe benzi din otel laminat la rece	Metalurgia	3 din 1993	p. 19-25			
2	LIDIA BENEĂ; CLIMANTA GRADINARIU SI C. SANDU	Cercetari privind electrodepunerea staniului pe otel inoxidabil pentru fabricatia camerelor de ionizare , destinate centralelor nucleareo-energetice	Metalurgia	42, nr. 9 - 12 din 1990	p. 427 - 429			
1	I. OVESEA; LIDIA BENEĂ SI OLGA MITOSERIU	Posibilitati de reducere a consumului de zinc în procesul de electrodepunere		39, nr. 2, 1987	p.75-79			