



Curriculum vitae Europass



Informații personale

Nume / Prenume

Buzatu T. Mihai

Adresă(e)

Telefon(oane)

E-mail(uri)

Naționalitate(-tăți)

Română

Experiența profesională

Perioada

1972 – prezent

Funcția sau postul ocupat

asistent, șef lucrări, conferențiar, profesor

Activități și responsabilități principale

Activități didactice, de cercetare, în prezent șeful catedrei Ingineria și Managementul Elaborării Materialelor Metalice, Ingineria Valorificării Deseurilor, Expert pe termen lung/Conducător de doctorat în domeniul Ingineria Materialelor

Numele și adresa angajatorului

Universitatea Politehnica București

Tipul activității sau sectorul de activitate

Educație, Cercetare

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Nivel european (*)

En

Fr

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
B2	Mediu	B2	Mediu	B2	Mediu	B2	Mediu	B2	Mediu
B2	Mediu	B2	Mediu	B2	Mediu	B2	Mediu	B2	Mediu

Competențe și aptitudini organizatorice

Manager de proiecte de cercetare

Informații suplimentare

Membru SRM
 Membru CNATDCU Consiliului National de Atestare a Titlurilor, Diplomelor si
 Certificatelor Universitare 2012-2016
 Șapte premii naționale UEFISCDI pentru lucrări din 2014-19
 Director Departament 2008-2016
 Director Scoala Doctorală SIM 2016-2020
 Referent științific Hydrometallurgy – Elsevier, ISI FI = 2.224,Q1
 Referent științific Engineering Science and Technology, an International
 Journal – Elsevier, ISI FI = 1.106
 Referent științific Waste Management – Elsevier, ISI FI = 3.157,Q1
 Referent științific Trans Tech Publications – Advanced Materials Research
 Referent științific U.P.B. Sci. Bull., Series B
 Referent științific JOM, Q1
 Membru Academia Maghiara de Științe, MTA, MTA ID 10027116
 Decembrie 2021 - Pensionar

Recenzii:

Referent științific la revistă ISI/ internațională (denumire articol, revista)
Recovery of Co metal and Electrolytic Manganese Dioxide (EMD) from Co-Mn sludge - Hydrometallurgy HYDROM-D-14-00474, Hydrometallurgy, Q1
Metallurgical and Mechanical Characterization of Al6082/ Gr Particulates Composites - Engineering Science and Technology - JESTCH-D-14-00293, Engineering Science and Technology, an International Journal, Q1
Efficient Recovery of Copper from Waste Printed Circuit Boards by Suspension Electrolysis Using Response Surface Methodology- Waste Management - WM-14-1686, Waste Management, Q1
Leaching of gold from waste printed circuit boards of mobile phone by iodide lixiviant after supercritical water pre-treatment - WM-14-1882, Waste Management , IF=3.157, 2015
Trans Tech Publications – Advanced Materials Research, http://www.scientific.net – 2015
Tehchnical Gazette - Comparative xps analysis of passive layers composition formed on duplex 2205 ss after standard and high-current-density electropolishing (hdep), IF=0.615, 2015
Tehchnical Gazette - Structures, mechanical properties and forming applications of multilayered zrn/craln coatings, IF=0.615, 2015
Tehchnical Gazette - Failure analysis of bolted joint for the column of an aerial platform, IF=0.615, 2015
Waste Management -Recovery of Manganese and Zinc from Waste Dry Cell Powder: Part II- Experimental Design of Leaching by Glucose Containing Sulphuric Acid Solution, WM-15-1260, Q1
Tehchnical Gazette Deformation behavior of shs produced ZrB2 reinforced Cu composites, Q1
Effect of pH on Desulphurization of Spent Lead Paste via Hydrometallurgical Process- Hydrometallurgy HYDROM-D-16-00039, Hydrometallurgy, Q1
Recovery of Zn and Mn from waste Batteries: Cyclic Voltammetry and Electrochemical Impedance Spectroscopy Studies of MnO2 from Leach Solution, JK SUS_2016_521, Journal of King Saud University – Scienc Q2
JOMJ-D-18-00865 Scandium extraction from nickel processing waste with Cyanex 923 in sulfuric media JOM Q1, 2018
WM-18-2271 Title: Evaluation of chemical speciation and environmental risk levels of heavy metals during varied end-point pH leaching tests for raw and solidified/stabilized MSWI fly ash Waste Management Q1, 2018
JOMJ-D-18-00800 Leaching behavior of Lead and Silver from Lead Sulfate Hazardous Residues in NaCl-CaCl2-NaClO3 Media JOM Q1, 2018
Understanding heterogeneity of a slag derived Technosol: the role of automated SEM-EDS analyses, Journal: Minerals, Manuscript ID: minerals-351039, 2018, Q2
JEMA-D-18-01941 Title: Dissolution Kinetics of Solder from Waste Printed Circuit Boards in an Ultrasonic Field Journal of Environmental Management, 2018, Q1

WM-18-2271, Evaluation of chemical speciation and environmental risk levels of heavy metals during varied end-point pH leaching tests for raw and solidified/stabilized MSWI fly ash, Waste Management, 2018, Q1

JOMJ-D-18-00684R1
Beneficiation-metallurgy combined process for the Jinbaoshan platinum group concentrate, 2018, Q1

JOMJ-D-19-00192
Application of inhomogeneous discrete method to the simulation of transport, agglomeration and removal of oxide inclusions in a gas-stirred ladle, 2019 Q1

Lucrări publicate

Facultatea Știința și Ingineria Materialelor	Titlul lucrării	Anul apariției	Ttlul sursei	Vol	Iss	Pag	FI
Ghica, Ș.-I., Ghica, V.-G., Petrescu, M.-I., ...Buzatu, M., Ungureanu, E.	Design of Ti-Mo-W Alloys and Its Correlation with Corrosion Resistance in Simulated Body Fluid (SBF)	2023	Materials	16	6	2453	3,4 Indexat pubmed
Florea, A.G., Stăncel, C.D., Buțu, M., ...Niculescu, F., Geantă, V.	MANUFACTURING NEW Fe-ALLOYED Ti-Mo ALLOYS FOR BIOMEDICAL APPLICATIONS	2023	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE	85	2	215 226	
Ghica, Ș.I., Cotruț, C.M., Buzatu, M., ...Iacob, G., Ungureanu, E.	EVALUATION OF THE CORROSION RESISTANCE OF Ti-Mo-W ALLOYS IN SIMULATED BODY FLUID (SBF)	2022	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE	84	1	189 198	
M BUZATU, MI PETRESCU, V GEANTĂ, R ȘTEFĂNOIU, M BUZATU	FULL FACTORIAL DESIGN FOR Ti-Mo-W BETA ALLOYS TO CORRELATE THE MODULUS OF ELASTICITY WITH THE MATERIAL PARAMETERS Md, Bo AND e	2022	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE	84	4	181 490	
Niculescu, Emanuel; Iacob, Gheorghe; Niculescu, Florentina; et al.	Experimental Determination of the Activities of Liquid Bi-Sn Alloys	2021	JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION	42	2	278 289	
Muscalu, Maria; Ghica, Valeriu-Gabriel; Iacob, Gheorghe; et al.	STUDIES AND RESEARCH ON WASTE MoSi2 HEATING ELEMENTS	2021	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE	83	1	239 248	
Bivol, Lacramioara-Raluca; Ghica, Valeriu-Gabriel; Vasile, Eugeniu; et al.	ANALYSIS OF A PAINTING MADE ON METAL SUPPORT IN ORDER TO ESTABLISH PATERNITY	2020	REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS	50	3	320 330	
Niculescu, Emanuel-Laurentiu; Buzatu, Mihai; Petrescu, Mircea-Ionut; et al.	THERMODYNAMIC CALCULATION OF THE BINARY SYSTEMS Bi-Sn BY IMPLEMENTING A JAVA INTERFACE	2021	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE	83	1	219 228	
Bratosin, I., Ghica, V.-G., Buzatu, M., (...), Kovács, T.A., Neșulescu, A.-D.	Separation process optimization of the paste from the aluminum cathode, in the process of recovery of cobalt from used batteries	2020	UPB Scientific Bulletin, Series B: Chemistry and Materials Science 82(3), pp. 199-210	82	3	199 210	
Bivol, L.R., Ghica, V.G., Petrescu, M.I., (...), Gheorghe, D., Kovács, T.A.	Studies on Two Icons Oklads with the Representation of St. Great Martyr George	2020	IOP Conference Series: Materials Science and Engineering 877(1),012047	877	1	12 47	
Carata, C., Vasile, E., Ghica, V.-G., (...), Iacob, G., Buzatu, M.	Recovery of silver from waste silver oxide button cells – part i: Characterization of active material [Recuperarea argintului din deșeurile de baterii-	2020	Revista Romana de Materiale/ Romanian Journal of Materials 50(2), pp. 191-197	50	2	191 197	0.542

	buton cu oxid de argint-parte a i: Caracterizarea materialului activ]						
Ghica, V.-G., Vasile, E., Carata, C., (...), Iacob, G., Buzatu, M.	Recovery of silver from waste silver oxide button cells. Part ii: Obtaining silver chloride [Recuperarea argintului din deșeuri de baterii-buton cu oxid de argint. Partea a ii-a: obținerea clorurii de argint]	2020	Revista Romana de Materiale/ Romanian Journal of Materials 50(3), pp. 354-360	50	3	354 360	0.542
Stăncel, C.-D., Buzatu, M., Ghica, V.-G., (...), Iacob, G., Marcu, D.-F.	The pressing-sintering process for the production of Al/Al ₂ O ₃ /Gr hybrid composites	2020	UPB Scientific Bulletin, Series B: Chemistry and Materials Science 82(1), pp. 199-208	82	1	199 208	
Barbu, CA, Constantin, I Costoiu, MC, Buzatu, Semenescu, A	Thermodynamic Considerations on Gold Dissolution in Different Lixiviants (II)	2020	REVISTA DE CHIMIE	70	1	4013- 4020	1.605
Stăncel, C.-D., Buzatu, M., Ghica, V.-G., (...), Iacob, G., Marcu, D.-F.	The pressing-sintering process for the production of Al/Al ₂ O ₃ /Gr hybrid composites	2020	UPB Scientific Bulletin, Series B: Chemistry and Materials Science 82(1), pp. 199-208	82	1	199- 208	
Elena-Roxana FALAHATI MOJAVERI1, Traian BUZATU2*, Mihai BUȚU3, Mircea-Ionuț PETRESCU4, Florentina NICULESCU5, Gheorghe IACOB6, Mariana-Mirela STĂNESCU	RECOVERY OF COPPER BY ELECTROLYSIS OF SOLUTIONS OBTAINED FROM THE SOLUBILIZATION OF POLYMETALLIC CONCENTRATES FROM WPCBs	2019	U.P.B. Sci. Bull., Series	81	4	1454- 2331	
Barbu, C.A., Constantin, I., Costoiu, M.C., Buzatu, M., Semenescu, A.	Thermodynamic considerations on gold dissolution in different lixiviants I	2019	Revista de Chimie	70	8	2727 2732	1.605
Buzatu, M ¹ ; Geanta, V; Stefanoiu, R; Butu, M; Petrescu, MI; Ghica, SI; Antoniac, I; Iacob, G ; Niculescu, F	MATHEMATICAL MODELING FOR CORRELATION OF THE RESISTANCE TO COMPRESSION WITH THE PARAMETERS Md, Bo AND e/a, FOR THE DESIGN OF TITANIUM beta ALLOYS DEVELOPED FOR MEDICAL APPLICATIONS WOS:000465035300016	2019	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE	81	1	183 192	
Mihai Buzatu , Victor Geantă , Radu Ștefănoiu, Mihai Buțu , Mircea-Ionuț Petrescu , Valeriu-Gabriel Ghica , Florentina Niculescu , Gheorghe Iacob	Influence of the Tungsten Content on the Elastic Modulus of New Ti-15Mo-W Alloys Intended for Medical Applications WOS:000471617100012	2019	JOM	71	7	2272 2279	2.305
Mihai Buzatu , Victor Geanta, Radu , Stefanoiu, Mihai Butu, Mircea-Ionut Petrescu, Mihai Buzatu , Iulian Antoniac, Gheorghe Iacob , Florentina Niculescu, Stefan-Ioan Ghica and Horatiu Moldovan	Investigations into Ti-15Mo-W Alloys Developed for Medical Applications WOS:000456410200147	2019	Materials	12	1		3.4 Indexat pubmed
Lăcrămioara-Raluca BIVOL1 , Eugeniu VASILE2 * , Dan GHEORGHE3 , ValeriuGabriel GHICA4 , Mihai BUZATU5 , Mircea-Ionuț PETRESCU6 , Tünde	ANALYSIS BY OPTICAL AND ELECTRONIC MICROSCOPY ON THE SILVER OKLAD OF ST. ANDREW ICON (ROMANIAN ART, 19th CENTURY)	2019	U.P.B. Sci. Bull., Series B	81	3	139 148	

Anna KOVÁCS7 , Gheorghe IACOB								
L R Bivol1 , V G Ghica1 , M Buzatu1 , M I Petrescu1 , G Iacob1 , E Vasile2,* , D Gheorghe1 and T A Kovács3	Metallographic analysis of icon oklad – St. Great Martyr George	2019	IOP Conf. Series: Materials Science and Engineering 572 (2019) 012097 IOP Publishing doi:10.1088/1757-899X/572/1/012097	572				
I Bratosin1 , C M Toma1 , E Vasile1 , V G Ghica1 , M Buzatu1 , M I Petrescu1 , T A Kovács2 , A D Necşulescu1 and G Iacob1	Recovery of LiCoO ₂ compound from cathodic paste of waste LIBs, by ultrasonography in lactic acid solution	2019	IOP Conf. Series: Materials Science and Engineering 572 (2019) 012053 IOP Publishing doi:10.1088/1757-899X/572/1/012053	572				
Ş I Ghica1 , C M Cotruţ1,* , M Buzatu1 , I V Antoniac1 , V Geantă1 , M Buţu1 , M I Petrescu1 , R Ştefănoiu1 , E Ungureanu1 , G Iacob1 and R N Ionescu1	In vitro corrosion behavior of Ti-Mo-W alloys in artificial saliva	2019	IOP Conf. Series: Materials Science and Engineering 572 (2019) 012028 IOP Publishing doi:10.1088/1757-899X/572/1/012028	572				
Niculescu, F.Email Author, Florea, B.Email Author, Buzatu, M.Email Author, Ghica, G.V.	Visual basic application for calculation of the superficial tension of solutions in the CuSO ₄ – H ₂ SO ₄ – H ₂ O system	2018	UPB Scientific Bulletin, Series B:	80	2	249 261		
Ardeleanu, D.-A.aEmail Author, Ghica, V.G.aEmail Author, Buzatu, M.aEmail	Analysis of an automotive piston using finite element method	2018	UPB Scientific Bulletin, Series B:	80	3	195 206		
Istrate, E.a, Petrescu, M.I.a, Iacob, G.a, Buzatu, T.b, Ghica, V.G.a, Buzatu, M.aEmail Author, Niculescu, F.	Extraction and separation of nonferrous and precious metals from waste of electrical and electronic equipment through ferric sulfate leaching and electrolysis Q1	2018	Journal of Chemical Technology and Biotechnology	93	10	2878 2886	3.135	
Turcu, A.M.aEmail Author, Ghica, V.G.aEmail Author, Veglio, F.bEmail Author, Buzatu, M. Petrescu, M.-I.aEmail Author, Iacob, G.aEmail Author, Birloagă, I.bEmail Author	Catalytic paste solubilization researches regarding the cobalt recovery from used li-ion batteries - Anova application	2018	UPB Scientific Bulletin, Series B:	80	3	183 194		
Bivol, L.R.a, Ghica, G.V.bEmail Author, Buzatu, M.a, Petrescu, M.I.a, Iacob, G.a, Vasile, E.a, Gheorghe, D.a, Kovács, T.A.b	Metallographic Study of XIX Century Oklads Belonging to Russian Icons	2018	2018 EUROINVENT International Conference on Innovative Research, EUROINVENT ICIR 2018; Palace of Culture Iasi; Romania; 17 May 2018 through 18 May 2018; Code 137254	374	1 12			
Marcu, D.F., Buzatu, M., Ghica, V.G., Petrescu, M.I., Popescu, G., Niculescu, F., Iacob,	Experimental Characterization of Aluminum-Based Hybrid Composites Obtained Through Powder Metallurgy	2018	2018 EUROINVENT International Conference on Innovative Research, EUROINVENT ICIR 2018; Palace of Culture Iasi; Romania; 17 May 2018 through 18 May 2018; Code 137254	374	1 12			
Ioana CSÁKI1,a, Sigrún Nana KARLSDOTTIR2,b, Steluţa SERGHIUȚĂ1,c, Gabriela POPESCU1,d, Mihai BUZATU1,e, Laura Elena GEAMBAZU1,f, Ciprian Alexandru MANEA	CoCrFeNiMo High Entropy Alloy Produced by Solid State Processing	2017	Key Engineering Materials	750		15 19		

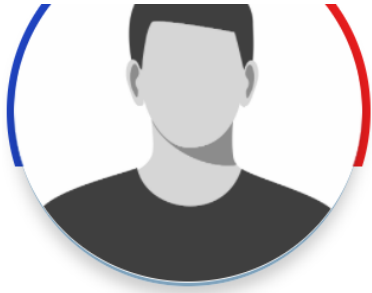
M Toma1, G V Ghica1, M Buzatu1, M I Petrescu1, E Vasile1 and G Iacob	A Recovery Process of Active Cathode Paste from Spent Li-Ion Batteries	2017	IOP Conf. Series: Materials Science and Engineering	209		1 8	
Florentina Niculescu, Dragos Marcu, Stefan Burciu, Mihai Buzatu, Ionuț Mircea Petrescu, Gheorghe Iacob	EXPERIMENTAL RESEARCHES REGARDING THE Q2	2017	Journal of Phase Equilibria and Diffusion	38	5	700 706	1.315
Traian Buzatu, Gabriel Valeriu Ghica, Ionuț Mircea Petrescu, Gheorghe Iacob, Mihai Buzatu*, Florentina Niculescu	STUDIES ON MATHEMATICAL MODELING OF THE LEACHING PROCESS IN ORDER TO EFFICIENTLY RECOVER LEAD FROM THE SULFATE/OXIDE LEAD PASTE Q1	2017	Waste Management	30		723 733	4.723
Florentina NICULESCU, Ion CONSTANTIN, Mihai BUZATU, Dragos Florin	THE THERMODYNAMIC PROPERTIES OF THE Pb-Sb SYSTEM	2016	U.P.B. Sci. Bull., Series B	78	4	215 224	0
Mihai BUZATU, Ștefan Ioan GHICA, Eugenia VASILE, Victor GEANTĂ, Radu ȘTEFĂNOIU, Mircea Ionuț PETRESCU, Gheorghe IACOB, Mihai BUȚU, Mirela SOHACIU	ON THE DESIGN OF NEW β -PHASE TITANIUM ALLOYS Ti-Mo-W	2016	U.P.B. Sci. Bull., Series B	78	3	161 171	0
TOMA Cristina-Mădălina, GHICA Valeriu-Gabriel, BUZATU Mihai, PETRESCU Mircea Ionuț, Iacob Gheorghe, ANTONIAC Vasile Iulian, COTRUȚ Mihai Cosmin, VEGLIO Francesco	Recovery of Active Cathode Material Containing Co and Li From Waste Li-Ion Batteries	2016	ROMAT 6th Conference on Materials Science and technologies, 09-12th nov. 2016			118	
Csaki, I., Karlsdottir, S.N., Serghiuță, S., Popescu, G., Buzatu, M., Geambazu, L.E., Manea, C.A	Toward ensuring total working safety of the metal products by testing them with automated PA and Cobra system	2016	ROMAT 6th Conference on Materials Science and technologies, 09-12th nov. 2017			98	
Gabriel Valeriu GHICA, Mihai BUZATU, Ionuț Mircea PETRESCU, Gheorghe IACOB, Augustin SEMENESCU, Tünde Anna KOVACS-COSKUN	Researches Concerning the Modification of the Alloy AlSi12CuNiMg	2016	ROMAT 6th Conference on Materials Science and technologies, 09-12th nov. 2016, p.103			103	
Adrian IOANA, Florina Eliza ISTRATE, Mihai BUZATU, Mircea Ionuț PETRESCU, Augustin SEMENESCU, Mirela SOHACIU	ANALYSIS OF COLLECTING AND RECYCLING OF SOME	2016	U.P.B. Sci. Bull., Series B	78	2	203 212	0.000
A. Ioana, M. Buzatu A. Semencescu, N. Rawal S. Rai, S.K. Duggal	A Glance at the World Q1	2016	Waste Management	53		I..IV	4.723
G. V. GHICA, M. BUZATU, I. M. PETRESCU, G. IACOB	Alloy 5083 (AlMg4.5Mn0.7Cr0.15) obtained using rapidly solidified master alloys	2015	JOAM	17	5. 6	799 805	0.563

Alexandru GHIBAN, Mihai BUZATU , Brândușa GHIBAN , Sorin CIUCĂ	FRACTOGRAPHIC ASPECTS OF THE DENTAL CoCrMoTi ALLOYS	2015	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	77	4	299 310	0.000
T. BUZATU, GENICA BADANOIU, V. G. GHICA, M.I BUZATU	EXPERIMENTAL RESEARCH ON LEAD EXTRACTION FROM ALKALINE SOLUTIONS BY ELECTROLYSIS	2015	Revista de Chimie	66	8	1147- 1150	1.412
Alexandru Ghiban, Brândușa Ghiban, Cristina Maria Borțun, Nicolae Serban, Mihai Buzatu	Mechanical Behavior for Some Cobalt Alloys	2015	Advanced Materials Research	1114		9 12	0.000
Alexandru GHIBAN, Mihai BUZATU, Cristina Maria BORTUN, Brandusa GHIBAN, Nicolae SERBAN	Laser welding optimization procedure applied to cobalt alloys for removable partial dentures	2015	Advanced Materials Research	1114		272 277	0.000
Alexandru Ghiban, Brândușa Ghiban, Cristina Maria Bortun, Mihai Buzatu	Structural Analysis of the Laser Welding Co-Cr-Mo-(Ti) Alloys for Removable Partial Dentures	2015	Key Engineering Materials, 638 (2015), p91-97	638		91 97	0.000
Mihai Buzatu, Emilia Talpoș, Mircea Ionuț Petrescu, Gabriel Valeriu Ghica	WATER-JACKET LEAD SLAG THOROUGH CHARACTERIZATION OF IN VIEW OF VALORIZING IT AS A STRUCTURAL MATERIAL	2015	EEMJ				1.258
Traian Buzatu, Mircea Ionuț Petrescu, Valeriu Gabriel Ghica, Mihai Buzatu, and Gheorghe Iacob	Processing oxidic waste of lead-acid batteries in order to recover lead Q3	2015	Asia-Pacific Journal of Chemical Engineering	10		125 132	1.238
TRAIAN BUZATU, VALERIU GABRIEL GHICA, MIHAI BUZATU, GHEORGHE IACOB	Solubilisation Kinetics of the Lead Hydroxide in Acetic Acid, (Bucharest), 66, No. 2, 2015, p.284-289, FI=0.677 Q3	2015	REV. CHIM.	66	2	284 289	1.412
Buzatu, T., Talpoș, E., Petrescu, M.I., Ghica, V.G., Iacob, G., Buzatu, M.	Utilization of granulated lead slag as a structural material in roads constructions Q3	2015	Journal of Material Cycles and Waste Management	17	4	707 717	1.693
Gheorghe Iacob, Valeriu Gabriel Ghica, Mihai Buzatu, Traian Buzatu, Mircea Ionuț Petrescu	Studies on wear rate and micro-hardness of the Al/Al ₂ O ₃ /Gr hybrid composites produced via powder metallurgy Q1	2015	Composites part b	69	2	603 611	4.723
ALEXANDRU GHIBAN1, BRANDUSA GHIBAN, CRISTINA MARIA BORTUN, MIHAI BUZATU	Structural Investigations in CoCrMo(Ti) Welded Dental Alloys Q3	2014	REV. CHIM.	65	11	1314 1318	1.412
Ștefan Alexandru ADAM, Mihai BUZATU, Mircea Ionuț PETRESCU	THERMOELECTRIC POWER IN LIQUID COMPOSITIONS RICHER IN S THAN TL2S SEMICONDUCTOR COMPOUND	2014	U.P.B. Sci. Bull., Series A	76	4	227 238	0.365
Bădănoiu, G., Buzatu, T., Ghica, V.G., Buzatu, M., Iacob, G., Petrescu, I.M.	Study of PbSO ₄ solubilisation in NaOH solution, for the treatment of oxide-sulphate pastes obtained from dismembered lead-acid batteries	2014	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	76	1	209 218	0.000
Buzatu, M., Moldovan, P., Vonica, D., Semenescu, A., Iacob, G.	Mathematical modeling of the filtration process of aluminum melts	2014	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	76	2	213 224	0.000
Buzatu, M., Săceanu, S., Petrescu, M.I., Ghica, G.V., Buzatu, T.	Recovery of zinc and manganese from spent batteries by reductive leaching in acidic media Q1	2014	Journal of Power Sources	247		612 617	6.945

Adam, S.A., Buzatu, M., Petrescu, M.I.	Thermoelectric power for liquid TL-S alloys correlated to the phase diagram	2014	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	76	3	181 194	0.000
Ghica, V.G., Bizatu, M., Iacob, G., Petrescu, M.I.	Electron microscopy researches on the microstructure of Inconel 718 alloy	2014	Revista de Chimie	65	1	105 109	1.412
Badanoiu, G., Buzatu, T., Buzatu, M., Butu, M.	Study concerning PbO solubility in NaOH solution for the treatment of sulfate-oxide pastes obtained from dismantling used lead-acid batteries	2013	Revista de Chimie	64	9	1004 1010	1.412
Buzatu, Gabriela Popescu, Ionela Birloaga, Simona Saceanu	Study concerning the recovery of zinc and manganese from spent batteries by hydrometallurgical processes Q1	2013	Waste Management	33	6	699 705	4.723
Buzatu, M., Săceanu, S., Ghica, V.G., Iacob, G., Buzatu, T.	Simultaneous recovery of Zn and MnO ₂ from used batteries, as raw materials, by electrolysis Q1	2013	Waste Management	33	8	1764 1769	4.723
Iacob, G., Popescu, G., Buzatu, M.	Studies regarding technological properties of Al/Al ₂ O ₃ /Gr hybrid composites	2013	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	75	2	117 126	0.000
Săceanu, S., Ciurdaș, M., Popescu, G., Buzatu, M.	Complex characterisation of spent household batteries with Zn and Mn content for recovering of nonferrous metals	2013	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	75	2	141 154	0.000
Talpoș, E., Buzatu, M., Predescu, C.	Chemical and structural assays and analysis of the leaching behaviour and acid draining potential of granulated lead slag	2013	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	75	2	155 166	0.000
Birloaga, I., Ida De Michelis, Buzatu, Veglio, F	Review analysis with some experimental results in the characterization of waste printed circuit boards	2013	Metalurgia International	XVII	12	19 23	0.310
Birloaga, I., De Michelis, I., Ferella, F., Buzatu, M., Vegliò, F.	Study on the influence of various factors in the hydrometallurgical processing of waste printed circuit boards for copper and gold recovery Q1	2013	Waste Management	33	4	935 941	4.723
Talpoș, E., Buzatu, M., Predescu, C.	Chemical and structural assays and analysis of the leaching behaviour and acid draining potential of slowly cooled lead slag	2013	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	75	1	157 168	0.000
Popescu, G., Iacob, G., Buzatu, M.	Structural evolution and morphological changes of Al/Al ₂ O ₃ /Gr composites	2013	Metalurgia International	18	SP EC. 1	104 107	0.310
Birloaga, I., Ida De Michelis, Buzatu, Veglio, F	Review analysis with some experimental results in the characterization of waste printed circuit boards	2013	Metalurgia International	20	4	312 318	0.310
Talpos, E; Buzatu, M	SUITABILITY OF AIR-COOLED LEAD SLAG FOR VALORISATION	2013	Metalurgia International	18	4	28 31	0.310
Talpos, E; Buzatu, M	SUITABILITY OF GRANULATED LEAD SLAG FOR VALORISATION	2013	Metalurgia International	18	sp. 1	22 27	0.310
Ușurelu-Cristea, A., Popescu, G., Dumitru, M., Soare, V., Buzatu, M.	Obtaining of AlMgMnCr wrought alloy by alloying with AlMn nanostructured master alloy	2013	Metalurgia International	18	sp. 1	100 103	0.310

Ghica, Buzatu	Solubilization Kinetics of Lead Hydroxide Obtained from Sulfated-oxide Waste from Lead-acid Battery, in Acetic Acid in the Presence of Urea	2013	REV. CHIM	64	2	169 173	0.810
Ghica, Buzatu	Cementation with Iron in Solutions of Lead Acetate in a Two-step Process	2013	REV. CHIM	64	6	579	1.412
Buzatu, s.a.	OBTAINING OF AlMgMnCr WROUGHT ALLOY BY ALLOYING WITH AlMn NANOSTRUCTURED MASTER ALLOY	2013	Metalurgia International	18	sp. 1	100 103	0.310
Iacob, G., Popescu, G., Miculescu, F., Buzatu, M.	Obtaining and characterization of Al/Al ₂ O ₃ /Gr composites by mechanical alloying	2012	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	74	2	221 230	0.000
- Iacob, Popescu, Buzatu	The characterization and compacting of the Al/A ₂ O ₃ /Gr composite powder through powder metallurgy	2012	Academy of Romanian scientists proceedings, 24-25 mai	4	1	67 75	0.000
Uşurelu-Cristea, A., Popescu, G., Buzatu, M., Truşcă, R.	Nanocrystalline Al-Mn master alloys obtained by mechanical alloying	2012	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	74	3	125 134	0.000
Badanoiu, G., Buzatu	Structural and physico-chemical analysis of waste from used lead-acid batteries	2012	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	74	1	246 254	0.000
Badanoiu, G., Saceanu, S., Buzatu	Reciclarea – Cheia Dezvoltării Durabile	2012	INFOMEDIU EUROPA Revista de mediu si economie	7	4	10 12	0.000
Buzatu	Physical methods for processing electronic and electrical equipment waste for nonferrous metals recovery	2012	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	74	4	227 239	0.000
Saceanu, S., Ghica, Buzatu	Separarea fizica a componentelor bateriilor uzate in vederea valorificarii metalelor neferoase	2012	Revista de turnătorie		3	2 6	1.412
Ghica, Dimitriu, Antoniac, Buzatu	Mechanical tests performed on welded, joints made of titanium alloys	2012	Journal of Materials Science and Technologies	20	4	312 318	1.161
Bîrloagă Ionela, Buzatu, Matei Ecaterina	Physical methods for processing electronic and electrical equipment waste for nonferrous metals recovery	2011	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	73	4	227 239	0.000
Ghica, G.V., Buzatu	Recovery of titanium waste	2011	NDT Days 2011, 13-17 iunie 2011				0.000
Bîrloagă Ionela, Buzatu	A contribution to the recovery of polymetallic concentrates from components of electronic waste	2011	The eight international congress in materials science and engineering ISSIM 2011, 26–29 May 2011 Iaşi–Romania	LVII	2	115 121	0.000
Buzatu, Bîrloagă Ionela	Nonferrous metals recovery from oxidic subproducts obtained from waste electrical equipment	2011	The eight international congress in materials science and engineering ISSIM 2011, 26–29 May 2011 Iaşi–Romania	LVII	2	255 262	0.000
Buzatu	Mathematical modeling of the process of cementation of the lead acetate solution with iron	2011	U.P.B. Sci. Bull., Series B	73	4	184 193	0.000
Badanoiu, G., Saceanu, S., Buzatu	Consumul de plumb creste odata cu economia	2011	INFOMEDIU EUROPA	72	6	40 42	0.000

Moldovan, P., Butu, M., Popescu, G., Buzatu, M., Usurelu, E., Soare, V., Mitrica, D.	Thermodynamics of interactions in Al-K2TiF6-KBF 4 system	2010	Revista de Chimie	61	9	828 832	1.412
Constantin, Luminita Ortansa; Buzatu, Mihai; Ghiban, Brandusa	EFFECTS OF THE LONG TERM EXPOSURE ON THE SURFACE OF ARTIFACTS	2009	Metalurgia International	14	4	32 35	1.412
Constantin, Luminita Ortansa; Buzatu, Mihai; Ghiban, Brandusa	EXPERIMENTAL RESEARCHES CONCERNING THE METALLIC MATERIAL CORROSION OF PUBLIC MONUMENTS	2009	Metalurgia International	14	4	36 38	0.310
Buzatu, M., Milea, N.B.	Recycling the liquid crystal displays	2008	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	70	4	93 102	0.000
Ghica, G.V., Buzatu, M.	Tensile strength of Cu-Cr alloy at elevated temperature	2008	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	70	2	55 60	0.000
Buzatu, M., Moldovan, P., Bojin, D., Butu, M., Juhasz, I., Pop, E.	Characterization of the products and by-products obtained in the electrolytic refining of copper using scraps	2008	Revista de Chimie	59	6	664 668	1.412
Buzatu, M., Ghica, V.G.	Study of solubility of hydrogen in titanium [Studii privind solubilitatea hidrogenului în titan]	2006	Revista de Chimie	57	11	1135 1137	1.412
Buzatu, M., Ghica, V.G., Pârvan, I.	Corrosion behaviour of Ti alloys and their welded joints in saline media [Comportarea la coroziune în mediu salin a aliajelor de titan și a îmbinărilor sudate]	2006	Revista de Chimie	57	10	1041 1046	1.412
Popescu, G., Petrescu, N., Buzatu, M.	Tribological properties of hybrid composites AlSi7Mg/SiC(p)/graphite(9)	2000	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	62	2	101 110	0.000
Buzatu, M., Zsigmond, M., Buzatu, R.	Influence of Zr on the properties of Mg-Base alloys	1999	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	61	3.. 4	153 162	0.000
Buzatu, M., Buzatu, R., Zsigmond, M., Apostolescu, I., Stroe, R.	The Mo and Al influences on the Ti corrosion (I)	1999	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	61	3.. 4	257 264	0.000
Buzatu, M., Taloi, D., Zsigmond, M.	Determination of the thermodynamic functions for Cu-Al alloys	1999	UPB Scientific Bulletin, Series B: Chemistry and Materials Science	61	3.. 4	207 220	0.000
Ienciu, M., Moldovan, P., Panait, N., Buzatu, M., Fazakas, Rodica, Cristea, Lidia, Botoran, P.	Studies Concerning the Continuous Filtration and Degassing of Aluminum Alloys for the Aeronautical Industry.	1982	Metalurgia Bucuresti	34	5	256 262	0.310
Ienciu, M., Panait, N., Taloi, D., Buzatu, M.	New Fields of Application of Al-Based Superconducting Materials. [NOI DOMENII DE UTILIZARE A MATERIALELOR SUPRACONDUCTOARE PE BAZA DE ALUMINIU.]	1977	Cercet Metal	18		623 635	0.000
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