

Anexa 1. FIȘA DE AUTOEVALUARE GENERALĂ CONFORM STANDARDELOR UNIVERSITĂȚII

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
I. ACTIVITATE A DE CERCETARE (70%)	1. Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i> cu factor de impact	786,699
	2. Articole științifice publicate <i>in extensor</i> în reviste indexate <i>Web of Science</i> fără factor de impact	3,538
	3. Articole științifice publicate <i>in extenso</i> în reviste indexate BDI	11,250
	5. Cărți științifice publicate (doar prima ediție)	200,000
	9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	620,805
	10. Contracte de cercetare în mediul de afaceri și sectorul public	-
	11. Brevete	-
	12. Citări și recenzii ale lucrărilor științifice	6147,346
	13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)	85,000
	14. Profesor/cercetător invitat la universități/institute de cercetare	50,000
	15. Editor/Membru în Editorial Board & Advisory Board	-
	16. Premii internaționale obținute printr-un process de selecție	136,666
	17. Premii ale Academiei Române	
	18. Alte premii naționale ale instituțiilor culturale	
	19. Participări la manifestări științifice	190,000
TOTAL I		8231,304
II. ACTIVITATE A DIDACTICĂ (30%)	1. Tratatate și manuale universitare	-
	2. Proiecte didactice (înființare/dotare laboratoare licență, master, săli workshop, biblioteci proprii facultăților, departamentelor, laboratoarelor și grupurilor de cercetare)	-
	3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	-
	4. Organizare de aplicații și practică de specialitate	10,000
TOTAL II		10,000
TOTAL I+II=		<u>8241,304</u>

Data: 14. Mai 2019

Semnatura:



CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
I. ACTIVITATE A DE CERCETARE (70%)	1. Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i> cu factor de impact	(60 puncte x factor de impact + 25) / număr autori
	1. <u>Loredana Brinza</u> , Hong Phuc Vu, Mariana Neamtu, Liane G Benning, 2019, Experimental and simulation results of the adsorption of Mo and V onto ferrihydrite, 9, Article number: 1365 <i>Scientific Reports</i> , (IF=4,122; AIS= 1,356; Q1)	(60x4,122+25)/4= 68,08
	2. <u>Loredana Brinza</u> , Kalotina Geraki, Iuliana G. Breaban, Mariana Neamtu, 2019, Zn adsorption onto Irish Fucus vesiculosus: Biosorbent uptake capacity and atomistic mechanism insights. <i>Journal of Hazardous Materials</i> , 365: p. 252-260 (IF= 6,434; AIS= 1,182; Q1)	(60x6,434+25)/4= 102,76
	3. <u>Loredana Brinza</u> , Hong P. Vu, Samuel Shaw, J. Fred W. Mosselmans, Liane G. Benning, 2015, Effect of molybdenum and vanadium on the hydrothermal crystallization of hematite from ferrihydrite at seawater pH and ionic strength - an in situ EDXRD and XAS study, <i>Crystal Growth and Design</i> , accepted; (IF= 3,972; AIS= 0,777; Q1);	(60x3,972+25)/5= 52,664
	4. <u>Loredana Brinza</u> , Frederick J. W. Mosselmans, Paul F. Schofield, Erica Donner, Enzo Lombi, Mark E. Hodson, 2014, Can earthworm-secreted calcium carbonate immobilise Zn in contaminated soils?, <i>Soil Biology and Biochemistry</i> , 74, 1-10, DOI: 10.1016/j.soilbio.2014.01.012; (IF=4,926; AIS=1,403, Q1)	(60x4,926+25)/6= 53,426
	5. <u>L. Brinza</u> , P. F. Schofield, M. E. Hodson, S. Weller, K. Ignatyev, K. Geraki, P. D. Quinn, J. F. W. Mosselmans, 2014, Combining μ XANES and μ XRD mapping to analyse the heterogeneity in calcium carbonate granules excreted by the earthworm <i>Lumbricus terrestris</i> <i>Journal of Synchrotron Radiation</i> , 01/2014, 21, 235-41; DOI:10.1107/S160057751303083X, (IF=3,232; AIS=1,078, Q1)	(60x3,232+25)/8= 26,74
	6. Hong Phuc Vu, Samuel Shaw, <u>Loredana Brinza</u> , Liane G Benning, 2013, Partitioning of Pb (II) during goethite and hematite crystallisation: implication for Pb transport in natural systems, 2013 <i>Applied Geochemistry</i> , 39, 119-128; DOI:10.1016/j.apgeochem.2013.10.001, (IF= 3,088, AIS=0,773, Q2);	(60x3,088+25)/4= 52,57
	7. <u>Loredana Brinza</u> , Paul D. Quinn, Paul F. Schofield, Frederick J. W. Mosselmans, Mark E. Hodson, 2012, Incorporation of strontium in earthworm-secreted calcium carbonate granules produced in strontium-amended and strontium-bearing soil, <i>Geochimica et Cosmochimica Acta</i> , 113 21-37, DOI: 10.1016/j.gca.2013.03.011, (IF= 4,690, AIS= 1,751, Q1);	(60x4,690+25)/5= 61,28
	8. Rob Raiswell, Hong Phuc Vu, <u>Loredana Brinza</u> , Liane Benning, (2010), The determination of Fe in ferrihydrite by ascorbic acid extraction: methodology, dissolution kinetics and loss of solubility with age	(60x3,57+25)/4= 59,8

	and de-watering, Chemical Geology , Vol 278, 1-2, 70-79 doi:10.1016/j.chemgeo.2010.09.002, (IF= 3,57, AIS=1,560, Q1);	
	9. Vu Hong Phuc, Shaw Samuel, <u>Brinza Loredana</u> , Benning Liane G., (2010), The crystallization of hematite (α -Fe ₂ O ₃) under alkaline condition: the effects of Pb" Crystal Growth and Design , Vol 10, No 4, 1544–1551, DOI: 10.1021/cg900782g, (IF= 3,972; AIS= 0,777; Q1);	(60x3,972+25)/4=59,83
	10. <u>Loredana Brinza</u> , Charlotta A. Nygard, Matthew J. Dring, Liane G. Benning, Maria Gavrilescu, (2009), Cadmium tolerance and adsorption by the marine brown alga <i>Fucus vesiculosus</i> from the Irish Sea and the Bothnian Sea, Bioresource Technology , Vol. 100, No 5, 1727-1733, doi:10.1016/j.biortech.2008.09.041 (IF= 5,807, AIS= 0,973, Q1);	(60x5,807+25)/5=74,68 4
	11. , <u>Loredana Brinza</u> , Liane G. Benning, Peter J. Statham, (2008), Adsorption studies of Mo and V onto ferrihydrite, Mineralogical Magazine , Vol. 72, No1, 107–110; doi:10.1180/minmag.2008.072.1.385, (IF= 1,774, AIS= 0,476, Q3);	(60x1,774+25)/3=34,81 3
	12. <u>Loredana Brinza</u> , Matthew J. Dring, Maria Gavrilescu, (2007), Marine micro and macro algal species as biosorbents for heavy metals treatment - review, Environmental Engineering and Management Journal , Vol. 6, No. 3, 237-251, (IF= 1,334, AIS=0,086, Q3);	(60x1,334+25)/3=35,01 3
	13. Simona Pintilie, <u>Loredana Brinza</u> , Camelia Betianu, Lucian Vasile Pavel, Florina Ungureanu, Maria Gavrilescu, (2007), Modelling and simulation of heavy metals transport in water and sediments, Environmental Engineering and Management Journal , Vol. 6, No. 2, 153-161, (IF= 1,334, AIS=0,086, Q3);	(60x1,334+25)/6=17,50 6
	14. <u>Loredana Brinza</u> , Matthew J. Dring, Maria Gavrilescu, (2005), Biosorption of Cu (2+) ions from aqueous solution by- <i>Enteromorpha</i> sp, Environmental Engineering and Management Journal , Vol.4, No.1, 41-51, FI: (IF= 1,334, AIS=0,086, Q3);	(60x1,334+25)/3=35,01 3
	15. <u>Loredana Brinza</u> , Maria Gavrilescu, (2003), pH Effect on the Biosorption of Cu (2+) from Aqueous Solution by <i>Saccharomyces Cerevisiae</i> , Environmental Engineering and Management Journal , Vol.2, No.3, 243-254, (IF= 1,334, AIS=0,086, Q3);	(60x1,334+25)/2=52,52
	TOTAL 1	786,699
	2. Articole științifice publicate in extensor în reviste indexate Web of Science fără factor de impact	20 puncte / număr autori
	1. Mark E Hodson, Stuart Black, <u>Loredana Brinza</u> , Daniel Carpenter, Denise C. Lambkin, J. Fred W Mosselmans, Barbara Palumbo-Roe, Paul F Schofield, Tom Sizmur, Emma A Versteegh, 2014, Biology as an agent of chemical and mineralogical change in soil, Procedia Earth and Planetary	20/10=2,000

	Science . 10, 114 – 117,	
2.	Sofia Diaz-Moreno, M. Amboage, R. Boada-Romero, <u>L. Brinza</u> , G. Cibir, A. Dent, A. Freeman, T. Geraki, S. Hayama, F. Mosselmans, S. Parry, P. Quinn and S. Ramos (2012), X-Ray Absorption Spectroscopy at Diamond Light Source: Three Complementary Beamlines to Deliver a Comprehensive Service, XAS Research Review , 3,	20/13= 1,538
	TOTAL 2	3,538
	3. Articole științifice publicate <i>in extenso</i> în reviste indexate BDI	15 puncte / număr autori
	1. Camelia Betianu, <u>Loredana Brinza</u> , Vasile Lucian Pavel, Maria Gavrilăscu, (2007) Partition and sorption of heavy metals to soils, Analele USAMV, vol. 50, seria Agronomie , Editura „Ion Ionescu de la Brad”, Iași, 2007, ISSN 1454-7414, FI: CNCSIS (B+)	15/4 = 3,750
	2. <u>Loredana Brinza</u> , Maria Gavrilăscu, Studies of Heavy Metal Recovery by Biosorption, (2003), Bulletin of the Polytechnic Institute of Iasi , Tomul XLVII (LII), fasc. 1B, <i>Chemistry and Chemical Engineering</i> , 250-256 ISSN: 0254 – 7104, FI: CNCSIS (B+)	15/2 = 7,500
	TOTAL 3	11,250
	4. Articole științifice publicate <i>in extenso</i> în volumele conferințelor	indexate ISI: 30 puncte / număr autori indexate în BDI: 15 puncte/ număr autori alte categorii: 5 puncte / număr autori
	5. Cărți științifice publicate (doar prima ediție)	edituri academice internaționale: 100 puncte la 100 pagini / număr autori alte edituri internaționale: 70 puncte la 100 pagini / număr autori edituri academice naționale: 50 puncte la 100 pagini / număr autori alte edituri naționale:

		20 puncte la 100 pagini / număr autori
	1. Loredana Brinza, 2010, <u>Interactions of molybdenum and vanadium with iron nanoparticles</u> , University of Leeds, United Kingdom, White Rose Publisher, ISBN: 978-0-85731-019-4, (http://etheses.whiterose.ac.uk/1082/)	200,000
	TOTAL 5	200,000
	6. Cărți științifice traduse și publicate în edituri din străinătate	100 puncte la 100 pagini / număr autori
	7. Coordonarea și editarea de volume, traduceri și antologii	edituri academice internaționale: 60 puncte / număr autori alte edituri internaționale: 40 puncte / număr autori edituri academice naționale: 30 puncte / număr autori alte edituri naționale: 15 puncte / număr autori
	8. Articole publicate în dicționare și enciclopedii	edituri academice internaționale: 30 puncte / număr autori alte edituri internaționale: 20 puncte / număr autori edituri academice naționale: 15 puncte / număr autori alte edituri naționale: 5 puncte / număr autori

	<p>9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)</p>	<p>contracte internaționale – director: 100 puncte pentru fiecare 100.000 Euro contracte internaționale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare contracte naționale – director: 50 puncte pentru fiecare 500.000 lei contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare</p>
	<p>1. UEFSCDI, Programul 1 – Dezvoltarea sistemului național de cercetare-dezvoltare, Subprogram 1.2 – Performanță instituțională - Proiecte de finanțare a excelenței în CDI, "Dezvoltarea capacității de inovare și creșterea impactului cercetării de excelență la UAIC" finanțat de Ministerul Cercetării și Inovării prin Contract nr. 34PFE/19.10.2018, Visiting researcher at the University of Oxford and Diamond Light Source Science and Innovation Campus, UK (March-May2019)</p>	<p>12190 lei*50pct/500000/xnr pers=1,22/x</p>
	<p>2. Science & Technology Facilities Council (STFC) grant ref no. SP20316-1, 2018, for synchrotron research at Diamond Light Source, UK Synchrotron facility at beamline i18-Microfocus spectroscopy: Gold distribution and speciation in geo-settings at mining sites; Dr. Loredana Brinza – principal investigator, Dr Adriana Matamorros Velosa, Claudia Nadejde and Prof. Dr. Mariana Neamtu– team members, ca 32130 GBP (~44018 E), Oct 2018</p>	<p>44018*100/100000 = 44,018</p>
	<p>3. Science & Technology Facilities Council (STFC), grant ref no SP15771, 2017, for research at the Diamond Light Source, UK Synchrotron facility at beam line i18-Microfocus spectroscopy: Microscopic and spectroscopic investigation of Zn uptake by algae,: Dr. Loredana Brinza Tepes (PI), Dr. Tina Geraki and Prof. Liane G. Benning – equivalent of 45000GBP (~ 61648E) – principal investigator</p>	<p>61648*100/100000 = 61,648</p>
	<p>4. Science & Technology Facilities Council (STFC) grant ref no SP5906-1, 2013 for research at the Diamond Light Source, UK Synchrotron facility at beam line B18- Core XAS – Pb and Zn XAS in iron based minerals, Prof. Mark E Hodson-PI, Prof. Fred Mosselmans, David Hughes, Dr. Loredana Brinza,</p>	<p>15412*100/100000 /5 = 15,415</p>

	Dr. Liz Shaw, ca 11250 GBP (~15412 E), 26 June 2013 – team member.	
5.	Science & Technology Facilities Council (STFC) grant no SP5906-1 for research at the Diamond Light Source, UK Synchrotron facility at beam line B18- Core XAS – Pb and Zn XAS in iron based minerals, Prof. Mark E Hodson-PI, Prof. Fred Mosselmans, David Hughes, Dr. Loredana Brinza, Dr. Liz Shaw, ca 11250 GBP (~15412 E), 20 March 2013 – team member.	$15412 \times 100 / 100000 / 5 =$ 15,415
6.	Science & Technology Facilities Council (STFC) grant no NT3894-1, 2013 for research at the Diamond Light Source, UK Synchrotron facility at beam line i18-Microfocus spectroscopy – The effect of Mg and P on the mineralogy of calcium carbonate bio mineralized granules: a micro spatial characterization by s-XRD and s-Ca XANES, Dr. Loredana Brinza-PI, Prof. Fred Mosselmans, Dr. Paul F. Scofield, Prof. Mark E. Hodson, ca. 32130 GBP (~44018 E), 23-25 May 2013, principal investigator.	$44018 \times 100 / 100000 =$ 44,018
7.	Science & Technology Facilities Council (STFC) research grant no RcaH R18, 3 months access to Research Complex at Harwell, UK to investigate “Microscopic and spectroscopic investigation of biomineralized calcium carbonates polymorphs” Dr. Loredana Brinza-PI, Prof. Fred Mosselmans, 15.09.2012-15.12.2012–principal investigator	NA
8.	Science & Technology Facilities Council (STFC) grant CM-5712-5, 2012 for in house research at the Diamond Light Source, UK Synchrotron facility to test improvements to s-XRD technique at the beam line i18-Microfocus spectroscopy, Prof. Fred Mosselmans, Dr. Loredana Brinza, Dr.Tina Geraki, Dr. Konstantin Ignatiev, ca 11250 GBP (~15412 E), December 2012– team member.	$15412 \times 100 / 100000 / 4 =$ 19,268
9.	Science & Technology Facilities Council (STFC) grant No SP7755 for research at the Diamond Light Source, UK Synchrotron facility to carry out XAS and s-XRD experiments on “Ca-XANES maps and synchrotron diffraction on earthworms biomineralized calcium carbonates granules “at the beam line i18-Microfocus spectroscopy, Prof. Fred Mosselmans –PI, Loredana Brinza, Dr. Paul F. Schofield; Prof. Mark E Hodson, ca. 45000 GBP (~61650 E), 20-24 th September 2012– team member.	$61650 \times 100 / 100000 / 4 =$ 15,415
10.	French Société civile grant no EC-870 for 4 days beamtime at the ESRF, France to carry out research on “Se-XAS in UK and China Se-rich shells” at the beamline ID22. Prof. Liane G Benning –PI, Dr Loredana Brinza, Dr Samwel Allsorn, ca. 51300 E 22-26 th June 2012 – team member	$51300 \times 100 / 100000 / 3 =$ 17,100

11. Science & Technology Facilities Council (STFC) grant No NT5731-1 for 3 days beam time at the Diamond Light Source, UK Synchrotron facility to carry out XAS experiments on “Zn and Cu sequestration in earthworm excreted calcium carbonates granules: elemental XRF maps, Ca, Zn and Cu XAS “ at the beam line i18-Microfocus spectroscopy, Dr. Loredana Brinza-PI, Prof. Fred Mosselmans; Dr. Paul F. Schofield; Dr. Paul D. Quinn, Prof. Mark E Hodson, ca 32130 GBP (~44018 E), 20-24 th February 2012– principal investigator.	$44018 \times 100 / 100000 = \mathbf{44,018}$
12. Australian Synchrotron grant No AS121/XFM/4559 for 3 days beamtime at the Australian Synchrotron Facility to carry out elemental XRF, Zn and Cu-XANES mapping on “Metal incorporation in earthworm-secreted calcium carbonate granules”, Dr. Erica Donner-PI, Dr. Enzo Lombi, Prof. Fred Mosselmans; Dr. Paul D. Quinn; Dr. Paul F. Schofield; Dr. Mark E Hodson, ca 57600\$ (~39492 E), 2-6 th February 2012 – team member;	$39492 \times 100 / 100000 / 6 = \mathbf{6,582}$
13. Science & Technology Facilities Council (STFC) grant No NT2123-1, 2011 for research at the Diamond Light Source, UK Synchrotron facility to carried our XAS experiments on “Zn sequestration in earthworm excreted calcium carbonates granules“ at the beam line i18-Microfocus spectroscopy, Dr. Loredana Brinza-PI, Prof. Fred Mosselmans, Dr. Paul D. Quinn; Dr. Paul F. Schofield; Prof. Mark E Hodson, ca 32130 GBP (~44018 E), May 2011,– principal investigator;	$32130 \times 100 / 100000 = \mathbf{32,130}$
14. Science & Technology Facilities Council (STFC) grant No SP6744-1, 2011 for research at the Diamond Light Source, UK Synchrotron facility to carried our XAS experiments on “Selenium in shales: where and who is the bad guy?” Prof. Liane G Benning (PI), Adriana Matamoros Velosa, Dr. Loredana Brinza, 53550 GBP (~73363 E), 25-31 May 2011; team member;	$73363 \times 100 / 100000 / 3 = \mathbf{24,454}$
15. Science & Technology Facilities Council (STFC) grant No CM-1946-2 (2065-3), 2011 for research at the Diamond Light Source, UK Synchrotron facility to carried out XAS experiments on “Incorporation of V into iron oxyhydroxides” at the beam line i18-Microfocus spectroscopy, Dr. Loredana Brinza –PI; Prof. Fred Mosselmans, Dr. Tina Geraki, ca 11250 GBP (~15412 E), 4 August 2011– principal investigator;	$15412 \times 100 / 100000 = \mathbf{15,412}$
16. Science & Technology Facilities Council (STFC) grant No NT2000, 2011 for research at the Diamond Light Source, UK Synchrotron facility to carried out XAS experiments on “Incorporation of Sr into earthworm secreted calcium carbonate” at the beam line i18-Microfocus spectroscopy, Prof. Fred Mosselmans-PI; Dr. Loredana Brinza; Dr. Paul D. Quinn; Dr. Paul F. Schofield; Prof. Mark E Hodson, ca 32130 GBP (~44018 E), -5-8 th February 2011– team member as research associate;	$44018 \times 100 / 100000 / 5 = \mathbf{8,804}$

17. AMASE 09 (Arctic Mars Analog Svalbard Expedition 2009) grant founded by NASA (National Aeronautics and Space Administration) and JPL (Jet Propulsion Lab), Hans Amundsen (Expedition Leader Norway), Andrew Steele (Science Leader – Carnegie Institution of Washington), Marilyn Fogel (Management team – Carnegie Institution of Washington), Pan Conrad (Management team) and Liane Benning (Management team – University of Leeds, UK (2009), 2.22M US \$ (~1995695 E), – postdoc collaborator based at the Earth and Biosphere Institute and School of Earth and Environment at the University of Leeds (March-May 2010) (total 35 team members and collaborators: http://www.lpi.usra.edu/meetings/abscicon2010/pdf/5674.pdf)	1995695*100/100000/35= 57,019
18. UK Natural Environment Research Council 'Weathering Science Consortium' NE/C004566/1 Biologically-Mediated Weathering of Minerals from Nanometre Scales to Environmental Systems, 2006-2011, Members: Prof. Liane G. Benning (PI), Prof. Bruce Yardley, Prof. Rik Brydson, Dr. Steve Bonneville, Andy Bray, Loredana Brinza; at University of Leeds , 364214 GBP (~498973 E), – L. B. collaborator as research fellow at Leeds with Prof. Liane G. Benning, March-May 2009,	498973*100/100000/6= 83,1621
19. Emeritus Fellowship funded by Leverhulme Trust; Bioavailable nanoparticulate iron in icebergs, Prof. Rob Raiswell –PI, Dr. Loredana Brinza, Dr. Hong Phuc Vu; 2007-2009, ca 22000GBP (~30140 E), - team member as research associate, Jan-Feb 2009;	30140*100/100000/3= 10,046
20. Council for the Central Laboratory of the Research Councils (CCLRC) grant no 50115 for beamtime at 16.4 time-resolved Energy Dispersive-X-Ray Diffraction beamline at Synchrotron Radiation Source (SRS) Daresbury Laboratory, UK 3 days to carry out research on “ In situ hydrothermal mineral transformation of iron oxyhydroxides”, Prof. Liane G. Benning – PI, Loredana Brinza, Hong Phuc Vu, 2008, ca 18000 GBP (~24660 E), - team member as research fellow	24600*100/100000/3= 8,220
21. Council for the Central Laboratory of the Research Councils (CCLRC) grant no 47113 on 15.1 Dilute spectroscopy beamline at UK synchrotron, Daresbury Laboratory, UK 3 days to carry out research on “Pb-XAS in iron oxynhydroxides”, Prof. Liane G. Benning, Loredana Brinza, Hong Phuc Vu, 2007, ca 18000 GBP (~24660 E), - team member as research fellow	24660*100/100000/3= 8,220
22. Council for the Central Laboratory of the Research Councils (CCLRC) grant no 47113 on 15.1 Dilute spectroscopy beamline at UK synchrotron, Daresbury Laboratory, UK 3 days to carry out research on “Mo-XAS in iron oxynhydroxides”, Prof. Liane G. Benning, Hong Phuc Vu, Loredana Brinza, 2007, ca 18000 GBP (~24660 E), - team member as research fellow	24660*100/100000/3= 8,220

	23. European Community under the Sixth Framework (FP6), Marie Curie Actions Early-Stage Training (EST) Fellowships; grant name BIOTRACS (Bio-transformation of trace elements in aquatic systems) working on "The interaction of trace metals and iron-based nanoparticles in contrasting marine settings" contract number MEST-CT-2004-514262, 2220111 E; Oct 2005 – Dec 2008 – team member as research fellow from 27 members; see website: http://cordis.europa.eu/result/rcn/50263_en.html or http://www.noc.soton.ac.uk/BIOTRACS/about.html	2220111*100/100000/27= 82,222
	24. Marie Curie Individual fellowship at the University of Leeds, Leeds, United Kingdom funded by the European Community under the Fifth Framework (FP5): EU Marie Curie BIOASSESS "Biodiversity assessment and conservation science" Grant Reference Number EVK2-CT-2000-57122, 285000 E, Feb 2005 – April 2005 – team member as research fellow; see web: http://cordis.europa.eu/project/rcn/72350_en.html	Lipsa numarului total de membri si colaboratori implica necuantificarea temporara a acestui grant:285/?
	25. Marie Curie Training Site fellowship at the Queen's University of Belfast, Belfast, Northern Ireland, United Kingdom funded by the European Community under the Fifth Framework (FP5): EU Marie Curie Action, "Marine macroalgae : physiological and biochemical ecology, molecular, phylogeny, and aquaculture" Grant Reference Number HPMP-CT- 2001-00268; 240000 E; April 2004- Jan 2005 – team member as research fellow. Se web: http://cordis.europa.eu/project/rcn/64248_en.html	Lipsa numarului total de membri si colaboratori implica necuantificarea temporara a acestui grant: 240/?
	Granturi și contracte în țară 26. National Council for Scientific Research in Higher Education, Modeling and simulating processes for liquid fluxes depollution, regarding property transfer. GRANT CNCSIS, tip A, contract 33557/2003, Tema 21, cod CNCSIS 316, PI: prof. dr. eng. Maria Gavrilescu, 6750 RON, - team member as PhD	Lipsa numarului total de membri si colaboratori implica necuantificarea temporara a acestui grant: 6.7/?
	27. National Council for Scientific Research in Higher Education, Bioremediation of environmental polluted media using chemical engineering and biotechnologies specific processes. GRANT CNCSIS, tip A, contract 40222/2003, Tema 13, cod CNCSIS 774 PI: prof. dr. eng. Matei Macoveanu, 8250 RON,- team member as PhD.	Lipsa numarului total de membri si colaboratori implica necuantificarea temporara a acestui grant: 8.2/?
	TOTAL 9	620,805
	10. Contracte de cercetare în mediul de afaceri și sectorul public	organizații internaționale: 100 puncte pentru fiecare

		100.000 Euro firme multinaționale: 100 puncte pentru fiecare 100.000 Euro firme naționale: 50 puncte pentru fiecare 500.000 Euro organizații administrative naționale: 40 puncte pentru fiecare 500.000 Euro alte organizații publice de nivel național: 30 puncte pentru fiecare 500.000 Euro
	11. Brevete	internaționale: 100 puncte / număr de autori naționale: 30 puncte / număr autori
	12. Citări și recenzii ale lucrărilor științifice	Reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare Reviste de specialitate din țară: (5+10 x factor de impact) / număr autori, pe ntru fiecare citare monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare monografii academice din țară: 25 puncte / număr autori, pentru fiecare citare
	Citări: 274 conform Thomson, Web of Science Core Collection Database și 442 conform Google H index: 10 (WOS); 12 (Google)	6147,346 (vezi anexa de calcul citari)
	Recenzii pentru	

	<ul style="list-style-type: none"> • Journal of Environmental Management; • Environmental Engineering and Management Journal; • Bioresource Technology; • Desalinization; • Archives of Microbiology; • Langmuir • Industrial and Engineering Chemical Research 	
	TOTAL 12	6147,346
	13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)	străinătate: 25 puncte pentru fiecare activitate țară: 10 puncte pentru fiecare activitate
	Manifestari internationale	25
	1. <u>Loredana Brinza</u> Advanced synchrotron μ -XAS, μ -XRF and μ -XRD techniques applied to environmental mineralogy research, Research in Progress Meeting, Durham, UK, 25 September 2014 (keynote speaker)	
	2. <u>Loredana Brinza</u> , Maria Gavrilescu, Matthew Dring, Biosorption Cu (II) and Cr (VI) by dead <i>Fucus vesiculosus</i> , University of Minho, September 25, 2005, Portugal - short communication;	25
	3. <u>Loredana Brinza</u> , Otilia Brinza, Maria Gavrilescu, Liane G. Benning, Matthew J. Dring, Heavy metals biosorption by marine brown algae: <i>Ascophyllum nodosum</i> , <i>Fucus vesiculosus</i> , <i>Sargassum muticum</i> , <i>Laminaria digitata</i> , , University of Minho, September 25, 2005, Portugal - short communication;	25
	Manifestari din tara	10
	4. <u>Loredana Brinza</u> , Synchrotron XAS, μ -XRF and ED-XRD applied in biogeochemistry research, National Institute of Material Physics, Magurele, Romania, 22 January, 2014 (lecture), pentru confirmare si detalii contactati: Dr. C MTeodorescu la teodorescu@infim.ro	
	TOTAL 13	85
	14. Profesor/cercetător invitat la universități/institute de cercetare	străinătate: 25 puncte pentru fiecare activitate țară: 10 puncte pentru fiecare activitate

1. Marie Curie Individual fellowship at the University of Leeds, Leeds, United Kingdom funded by the European Community under the Fifth Framework (FP5): EU Marie Curie BIOASSESS "Biodiversity assessment and conservation science" Grant Reference Number EVK2-CT-2000-57122, 285000 E, Feb 2005 – April 2005 – team member as research fellow; see web: http://cordis.europa.eu/project/rcn/72350_en.html	25
2. Marie Curie Training Site fellowship at the Queen's University of Belfast, Belfast, Northern Ireland, United Kingdom funded by the European Community under the Fifth Framework (FP5): EU Marie Curie Action, "Marine macroalgae : physiological and biochemical ecology, molecular, phylogeny, and aquaculture" Grant Reference Number HPMP-CT- 2001-00268; 240000 E; April 2004- Jan 2005 – team member as research fellow. Se web: http://cordis.europa.eu/project/rcn/64248_en.html	25
TOTAL 14	50
15. Editor/Membru în <i>Editorial Board & Advisory Board</i>	-reviste cotate <i>Web of Science</i> : editor, 30 puncte pentru fiecare revistă membru, 20 puncte pentru fiecare revistă -reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă
16. Premii internaționale obținute printr-un proces de selecție	100 puncte / categorie / număr personae
1. Prized participation to International Symposium Present Environment and Sustainable Development: <u>Loredana Brinza</u> , Carmen-Madalina Cismasiu, Ioan Ardelean, Madalina Paiu, Georgiana Bulai, Iuliana-Gabriela Breaban.: Microbial noble metals bioleaching: in vitro preliminary results for future environmental friendly dissolution techniques, 2-4th June 2017, Iasi, Romania – prized poster	100/6= 16,666
1. Prized participation to Diamond Light Source Synchrotron User Meeting: <u>Loredana Brinza</u> , J. Fred W. Mosselmans, Paul F. Schofield, Paul D. Quinn and Mark E. Hodson, Earthworms immobilise Sr within bio-synthesised calcium carbonate granules, Synchrotron User Meeting 7-8th September 2011 - prized	20

	poster;	
	2. Research Student Publication Prize competition awarded letters of commendation sent by the Head of School of Earth and Environmental, University of Leeds, February 2011	100
	TOTAL 16	136,666
	17. Premii ale Academiei Române	50 puncte / categorie / număr persoane
	18. Alte premii naționale ale instituțiilor culturale	20 puncte / categorie / număr persoane
	19. Participări la manifestări științifice internaționale: președinte comitet organizare/consiliu științific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate naționale: președinte comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate	

	<p>Raportor la manifestari internationale (10 puncte pentru fiecare activitate)</p> <ol style="list-style-type: none"> 1. <u>Loredana Brinza</u>, Hong Phuc Vu, Mariana Neamtu, Liane G. Benning Mo and V adsorption onto ferrihydrite: experimental vs. simulation, MINSOC-EMG: Research in Progress Meeting 9th June 2016, School of Earth Sciences, Wills Memorial Building, University of Bristol, UK 2. Mark E Hodson, Stuart Black, <u>Loredana Brinza</u>, Daniel Carpenter, Denise C. Lambkin, J. Fred W Mosselmans, Barbara Palumbo-Roe, Paul F Schofield, Tom Sizmur, Emma A Versteegh, 2014, Biology as an agent of chemical and mineralogical change in soil, Geochemistry of the Earth's surface GES-10, Paris, France, 18-23 August, 2014, oral presentation; http://ges10.web-events.net 3. <u>Loredana Brinza</u>, J. Fred W. Mosselmans, Paul F. Schofield, Erica Donner, Enzo Lombi, Mark E. Hodson, Zn immobilization by <i>Lumbricus terrestris</i> calcium carbonate biomineralized granules, Goldschmidt 2013, 25-30th August 2013, Florence, Italy – oral presentation 4. <u>Loredana Brinza</u>, J. Fred W. Mosselmans Paul F. Schofield, Paul D. Quinn, Mark E. Hodson, Qualitative and quantitative approaches of strontium incorporation into earthworm bio mineralized calcium carbonates granules, Diamond Light Source Science Away Day, Sheepdrove Eco Conference Centre, Lambourne, UK, 10th June 2013, short communication. 5. J. Fred W. Mosselmans, <u>Loredana Brinza</u>, Paul F. Schofield, Sophie Weller, Konstantin Ignatyev, Tina Geraki, Mark E. Hodson, New developments in micro-X-ray diffraction and XANES mapping at Diamond's I18 beamline as applied to the mineralogy of earthworm granules, Minerals for Life, 17-18th June 2013, Edinburgh, UK, oral presentation 6. <u>Loredana Brinza</u>, J. Fred W. Mosselmans, Paul F.Schofield, Erica Donner, Enzo Lombi, David Paterson, Paul D. Quinn, Tina Geraki, Mark E Hodson, Sr, Cu and Zn incorporation in earthworm synthesised calcium carbonate granules - a μXAS and μS-XRF investigation, EMC2012, 2-6th September 2012, Frankfurt, Germany - oral presentation; 7. <u>Loredana Brinza</u>, J. Fred W. Mosselmans, Paul F. Schofield, Erica Donner, Enzo Lombi, David Paterson, Paul D. Quinn Tina Geraki and Mark E. Hodson, Metals incorporation in earthworm-secreted calcium carbonate granules, Diamond Light Source Science Away Day 2012, Sheepdrove Eco Conference Centre, Lambourne, UK – June 2012, - poster 8. <u>Loredana Brinza</u>, J. Fred W. Mosselmans, Paul F. Schofield, Paul D. Quinn and Mark E. Hodson, Earthworms immobilise Sr within bio-synthesised calcium carbonate granules, Synchrotron User Meeting 7-8 September 2011 - prized poster; 9. <u>Loredana Brinza</u>, J. Fred W. Mosselmans, Paul F. Schofield, Paul D. Quinn and Mark E. Hodson, Strontium incorporation into carbonate granules secreted by earthworms. Mineralogical Magazine, 75 581 Goldschmidt 2011 Conference, 14-19 August 2011, Prague - oral presentation; 10. <u>Loredana Brinza</u>, Liane G. Benning, Peter J. Statham, Mo and V biosorption onto ferrihydrite, 'Global Biogeochemical Cycles - A Leeding View' Symposium, August 27-29, 2008, Leeds, United Kingdom – poster; 11. <u>Loredana Brinza</u>, Liane G. Benning, Peter J. Statham, Biosorption studies of Mo and V onto ferrihydrite, Geochemistry of the Earth's Surface (GES 8), August 18–22, 2008, Natural History Museum, London, 	180
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	<p>United Kingdom – oral presentation;</p> <p>12. <u>Loredana Brinza</u>, Sam Shaw, Liane G. Benning, The effect of molybdenum on the transformation kinetics of ferrihydrite to hematite: An <i>in situ</i> ED-XRD approach (oral) Goldschmidt 2008 - "From sea to sky", July 13-18, 2008, Vancouver, Canada - oral presentation;</p> <p>13. <u>Loredana Brinza</u>, Sam Shaw, Liane G. Benning, Peter J. Statham, <i>In situ</i> ED-XRD kinetic studies of ferrihydrite transformation to hematite; molybdenum effect and partitioning, Environmental Mineralogy Group of the Mineralogical Society Research in Progress Meeting, May 1, 2008, The Natural History Museum, London, United Kingdom – oral presentation;</p> <p>14. <u>Loredana Brinza</u>, Liane. G. Benning, Peter. J. Statham, Characterisation of Mo and V interactions with ferrihydrite as an analogue for deep-sea hydrothermal plumes processes, Goldschmidt 2007- "atoms to planet", August 20-24, Cologne, Germany; - poster</p> <p>15. <u>Loredana Brinza</u>, Liane. G. Benning, Peter. J. Statham, The mechanism of molybdenum uptake by ferrihydrite and its fate during the transformation to hematite, Frontiers in Mineral Sciences, June 26-28, 2007, Cambridge, United Kingdom – oral presentation;</p> <p>16. <u>Loredana Brinza</u>, Maria Gavrilescu, Matthew Dring, Biosorption Cu (II) and Cr (VI) by dead <i>Fucus vesiculosus</i>, University of Minho, September 25, 2005, Portugal - short communication;</p> <p>17. <u>Loredana Brinza</u>, Otilia Brinza, Maria Gavrilescu, Liane G. Benning, Matthew J. Dring, Heavy metals biosorption by marine brown algae: <i>Ascophyllum nodosum</i>, <i>Fucus vesiculosus</i>, <i>Sargassum muticum</i>, <i>Laminaria digitata</i>, , University of Minho, September 25, 2005, Portugal - short communication;</p> <p>18. <u>Loredana Brinza</u>, Matthew J. Dring, Maria Gavrilescu, Ability of different algal species to take up heavy metals from wastewater, Annual Meeting of British Phycological Society, University of Birmingham, January 5-7, 2005, United Kingdom – poster;</p>	
	<p>Raportor la manifestari nationale (2 puncte pentru fiecare activitate)</p> <p>1. <u>Loredana Brinza</u>, Carmen-Madalina Cismasiu, Ioan Ardelean, Madalina Paiu, Georgiana Bulai, Iuliana-Gabriela Breaban.: Microbial noble metals bioleaching: in vitro preliminary results for future environmental friendly dissolution techniques, 2-4th June 2017, Iasi, Romania</p> <p>2. <u>Loredana Brinza</u>, Maria Gavrilescu, Biotechnologies in environmental protection: soil remediation and water treatment biotechnologies applicable for heavy metals depollution. The Days of Faculty of Chemical Engineering and Environmental Protection; November 15-16, 2007, Iasi, Romania;</p> <p>3. Otilia Brinza, <u>Loredana Brinza</u>, Liane G. Benning, Maria Gavrilescu, Studies regarding biosorption on heavy metals on marine algae, Conference of "Gh. Asachi" Technical University Iasi - November 15, 2005, Iasi, Romania – oral presentation;</p> <p>4. <u>Loredana Brinza</u>, Matthew Dring, Maria Gavrilescu, Biosorption of Cu (2+) ions from aqueous solution by <i>Enteromorpha</i> sp, 2nd International Conference on Environmental Engineering and Management, Faculty of Industrial Chemistry, Department of Environmental Engineering Iasi, September 23-36, 2004, Iasi, Romania - poster;</p> <p>5. <u>Loredana Brinza</u>, Maria Gavrilescu, Studies on Heavy Metal Removal by Biosorption -, 3rd Conference of Faculty of Industrial Chemistry "90 Years of Chemical Engineering Education in Iasi", November 2002,</p>	10

	Iasi, Romania – poster.	
	TOTAL 19	190
TOTAL I		8231,304
II. ACTIVITATE A DIDACTICĂ (30%)	1. Tratatate și manuale universitare	30 puncte la 100 pagini / număr de autori
	2. Proiecte didactice (înfăințare/dotare laboratoare licență, master, săli workshop, biblioteci proprii facultăților, departamentelor, laboratoarelor și grupurilor de cercetare)	40 puncte pentru fiecare activitate
	3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	10 puncte pentru fiecare activitate
	4. Organizare de aplicații și practică de specialitate	5 puncte pentru fiecare activitate
	1. University of Leeds, School of Earth Science, Laborator "Geochemical modelling" pentru studenti la Master, 2008-2009.	5
	2. Universitatea Tehnică Gh. Asachi Iasi, Facultatea de Chimie Industrială, Laborator IPCB cu studentii anului 3 la Ingineria Mediului, 2002-2003	5
	TOTAL 4	10
TOTAL II		10
TOTAL I+II=		<u>8241,304</u>

Anexa. Calcul punctaj pentru citări ale lucrărilor științifice

Dr. Loredana Brînză Țepeș

Lucrări științifice				
1. Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i> cu factor de impact	Nr citari conform Web of Sciance si Scopus	Nr autori	IF	Punctaj
1. Loredana Brinza, Hong P. Vu, Samuel Shaw, J. Fred W. Mosselmans, Liane G. Benning, 2015, Effect of molybdenum and vanadium on the hydrothermal crystallization of hematite from ferrihydrite - an in situ EDXRD and XAS study, Crystal Growth and Design	14 citări			(10+20*IF)/nr autori
	1. Title: Ferrihydrite transformation under the impact of humic acid and Pb: kinetics, nanoscale mechanisms, and implications for C and Pb dynamics, Author(s): Lu, Y (Lu, Yang); Hu, SW (Hu, Shiwen); Wang, ZM (Wang, Zimeng); Ding, Y (Ding, Yang); Lu, GN (Lu, Guining); Lin, Z (Lin, Zhang); Dang, Z (Dang, Zhi); Shi, ZQ (Shi, Zhenqing), Source: ENVIRONMENTAL SCIENCE-NANO Volume: 6 Issue: 3 Pages: 747-762 DOI: 10.1039/c8en01327f Published: MAR 1 2019, Accession Number: WOS:000461449900021	8	6,087	16,4675
	2. Title: Experimental and simulation results of the adsorption of Mo and V onto ferrihydrite, Author(s): Brinza, L (Brinza, Loredana); Vu, HP (Hong Phuc Vu); Neamtu, M (Neamtu, Mariana); Benning, LG (Benning, Liane G.), Source: SCIENTIFIC REPORTS Volume: 9 Article Number: 1365 DOI: 10.1038/s41598-018-37875-y Published: FEB 4 2019, Accession Number: WOS:000457616300253	4	4,122	23,11
	3. Title: The interfacial reactivity of arsenic species with green rust sulfate (GR(SO ₄)), Author(s): Perez, JPH (Perez, Jeffrey Paulo H.); Freeman, HM (Freeman, Helen M.); Schuessler, JA (Schuessler, Jan A.); Benning, LG (Benning, Liane G.), Source: SCIENCE OF THE TOTAL ENVIRONMENT Volume: 648 Pages: 1161-1170 DOI: 10.1016/j.scitotenv.2018.08.163 Published: JAN 15 2019, Accession Number: WOS:000447805500108,	4	4,61	25,55
	4. Title: Stability of hydrous ferric oxide nanoparticles encapsulated inside porous matrices: Effect of solution and matrix phase, Author(s): Pan, BJ (Pan, Bingjun); Chen, D (Chen, Du); Zhang, HC (Zhang, Huichun); Wu, JY (Wu, Jiayu); He, F (He, Feng); Wang, JD (Wang, Jiade); Chen, JM (Chen, Jianmeng), Source: CHEMICAL ENGINEERING JOURNAL Volume: 347 Pages: 870-876 DOI: 10.1016/j.cej.2018.04.130 Published: SEP 1 2018 , Accession Number: WOS:000432884900086	7	6,735	20,671
	5. Title: Iron Vacancies Accommodate Uranyl Incorporation into Hematite, Author(s): McBriarty, ME (McBriarty, Martin E.); Kerisit, S (Kerisit, Sebastien); Bylaska, EJ (Bylaska, Eric J.); Shaw, S (Shaw, Samuel); Morris, K (Morris, Katherine); Ilton, ES (Ilton, Eugene S.), Source: ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 52 Issue: 11 Pages: 6282-6290 DOI: 10.1021/acs.est.8b00297 Published: JUN 5 2018, Accession Number: WOS:000434892900022	6	6,653	23,843
	6. Title: Hematite (alpha-Fe ₂ O ₃) - A potential Ce ⁴⁺ carrier in red mud, Author(s): Bolanz, RM (Bolanz, Ralph M.); Kiefer, S (Kiefer, Stefan); Gottlicher, J (Goettlicher, Joerg); Steininger, R	4	4,61	25,55

	(Steininger, Ralph), Source: SCIENCE OF THE TOTAL ENVIRONMENT Volume: 622 Pages: 849-860 DOI: 10.1016/j.scitotenv.2017.12.043 Published: MAY 1 2018, Accession Number: WOS:000426349000087			
	<u>7.</u> Title: The distribution of dissolved and particulate Mo and V along the US GEOTRACES East Pacific Zonal Transect (GP16): The roles of oxides and biogenic particles in their distributions in the oxygen deficient zone and the hydrothermal plume, Author(s): Ho, P (Ho, Peng); Lee, JM (Lee, Jong-Mi); Heller, MI (Heller, Maija I.); Lam, PJ (Lam, Phoebe J.); Shiller, AM (Shiller, Alan M.), Source: MARINE CHEMISTRY Volume: 201 Pages: 242-255 DOI: 10.1016/j.marchem.2017.12.003, Published: APR 20 2018, Accession Number: WOS:000430901500018,	5	3,337	15,348
	<u>8.</u> Leiviska, Tiina; Khalid, Muhammad Kamran; Sarpola, Arja; Tanskanen, Juha 2017, Removal of vanadium from industrial wastewater using iron sorbents in batch and continuous flow pilot systems, JOURNAL OF ENVIRONMENTAL MANAGEMENT, 190, 231-242,	4	4,005	22,525
	<u>9.</u> Katrin Schulz, Roman Schmack, Hagen,W. Klemm, Anke Kabelitz, Thomas Schmidt, Franziska Emmerling, Ralph Kraehnert 2017 , Mechanism and Kinetics of Hematite Crystallization in Air: Linking Bulk and Surface Models via Mesoporous Films with Defined Nanostructure, CHEMISTRY OF MATERIALS 9 (4), 1724-1734;	7	9,89	29,685
	<u>10.</u> Liang Cao, Zhao-Xia Jiang, Yong-Hua Du, Xin-Mao Yin, Shi-Bo Xi, Wen Wen, Andrew P. Roberts, Andrew T. S. Wee, Yi-Min Xiong, Qing-Song Liu, and Xing-Yu Gao, 2017 , Origin of Magnetism in Hydrothermally Aged 2-Line Ferrihydrite Suspensions, ENVIRONMENTAL SCIENCE & TECHNOLOGY, 51 (5), 2643-2651;	11	6,653	13,005
	<u>11.</u> Juan Diego Rodriguez-Blanco, Karina K. Sand, Liane G. Benning, 2017 , ACC and Vaterite as Intermediates in the Solution-Based Crystallization of CaCO ₃ , 93-111	3		16,666
	<u>12.</u> Kristina M. Peterson, Peter J. Heaney, Jeffrey E. Post, 2016 , A kinetic analysis of the transformation from akaganeite to hematite: An in situ time-resolved X-ray diffraction study, CHEMICAL GEOLOGY, 444, 27-36,	3	3,57	27,133
	<u>13.</u> Soumya Das, Joseph Essilfie-Dughan, M. Jim Hendry, 2016 , Sequestration of molybdate during transformation of 2-line ferrihydrite under alkaline conditions, APPLIED GEOCHEMISTRY 73, 70-80,	3	3,088	23,92
	<u>14.</u> Francisco, PCM; Sato, T; Otake, T; Kasama, T, 2016, Kinetics of Fe ³⁺ mineral crystallization from ferrihydrite in the presence of Si at alkaline conditions and implications for nuclear waste disposal, American Mineralogist, 101/9-10, 2057-2069,	4	2,645	15,725

	15. Kreissl, Stefan; Bolanz, Ralph; Goettlicher, Joerg; Steininger, Ralph; Tarassov, Mihail; Markl, Gregor, 2016, Structural incorporation of W6+ into hematite and goethite: A combined study of natural and synthetic iron oxides developed from precursor ferrihydrite and the preservation of ancient fluid compositions in hematite, AMERICAN MINERALOGIST, 101/12, 2701-2715 I	6	2,645	10,480
2. Mark E Hodson, Stuart Black, <u>Loredana Brinza</u> , Daniel Carpenter, Denise C. Lambkin, J. Fred W Mosselmans, Barbara Palumbo-Roe, Paul F Schofield, Tom Sizmur, Emma A Versteegh, 2014, Biology as an agent of chemical and mineralogical change in soil, Procedia Earth and Planetary Science , 10, 114 – 117	2 citări			
	1. Title: Review and outlook for agromineral research in agriculture and climate mitigation, Author(s): Zhang, GR (Zhang, Guanru); Kang, JT (Kang, Jinting); Wang, TX (Wang, Tianxing); Zhu, C (Zhu, Chen), Source: SOIL RESEARCH Volume: 56 Issue: 2 Pages: 113-122 DOI: 10.1071/SR17157 Published: 2018 ,	4	1,591	10,455
	2. Cunha, L; Brown, GG; Stanton, DWG; Da Silva, E; Hansel, FA; Jorge, G; McKey, D; Vidal-Torrado, P; Macedo, RS; Velasquez, E; James, SW; Lavelle, P; Kille, P, 2016, Soil Animals and Pedogenesis: The Role of Earthworms in Anthropogenic Soil, Soil Science, 181/3-4, 110-125,	13	1,387	2,903
3. <u>Loredana Brinza</u> , Frederick J. W. Mosselmans, Paul F. Schofield, Erica Donner, Enzo Lombi, Mark E. Hodson, 2014, Can earthworm-secreted calcium carbonate immobilise Zn in contaminated soils?, Soil Biology and Biochemistry , 74, 1-10, DOI: 10.1016/j.soilbio.2014.01.012	11 citări			
	1. Elliston, T., Oliver, I.W. 2019, Ecotoxicological assessments of biochar additions to soil employing earthworm species Eisenia fetida and Lumbricus terrestris, Environmental Science and Pollution Research	2	2,8	33
	2. Title: The effect of earthworm and arbuscular mycorrhizal fungi on availability and chemical distribution of Zn, Fe and Mn in a calcareous soil, Author(s): Dehghanian, H (Dehghanian, H.); Halajnia, A (Halajnia, A.); Lakzian, A (Lakzian, A.); Astaraei, AR (Astaraei, A. R.), Source: APPLIED SOIL ECOLOGY Volume: 130 Pages: 98-103 DOI: 10.1016/j.apsoil.2018.06.002 Published: SEP 2018	4	2,916	17,08
	3. Title: Statoliths of the whelk Buccinum undatum: a novel age determination tool, Author(s): Hollyman, PR (Hollyman, P. R.); Leng, MJ (Leng, M. J.); Chenery, SRN (Chenery, S. R. N.); Laptikhovsky, VV (Laptikhovsky, V. V.); Richardson, CA (Richardson, C. A.), Source: MARINE ECOLOGY PROGRESS SERIES Volume: 598 Pages: 261-272 DOI: 10.3354/meps12119 Published: JUN 28 2018	5	2,276	11,104
	4. Title: Effects of red earthworms (Eisenia fetida) on leachability of lead minerals in soil, Author(s): Kavehei, A (Kavehei, Armin); Hose, GC (Hose, Grant C.); Gore, DB (Gore, Damian B.), Source: ENVIRONMENTAL POLLUTION Volume: 237 Pages: 851-857 DOI: 10.1016/j.envpol.2017.11.021 Published: JUN 2018	3	4,358	32,386

	5. Versteegh E.A.A., Black S., Hodson M.E., 2017, Carbon isotope fractionation between amorphous calcium carbonate and calcite in earthworm-produced calcium carbonate, APPLIED GEOCHEMISTRY, 78	3	3,088	23,92
	6. Wang, H; Wang, X-J; Wang, W.-S; Chen, J; Zhao, J-F, 2016, Modeling and optimization of struvite recovery from wastewater and reusing from heavy metals mobilization in contaminated soils, JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY	5	2,587	12,348
	7. Du, YJ; Wei, ML; Reddy, KR; Wu, HL, 2016, Effect of carbonation on leachability, strength and microstructural characteristics of KMP binder stabilized Zn and Pb contaminated soils. CHEMOSPHERE, 144, : 1033-1042 DOI: 0.1016/j.chemosphere.2015.09.082,	4	4,427	24,635
	8. Richardson, JB; Gorres, JH; Jackson, BP; Friedland, AJ, 2015, Trace metals and metalloids in forest soils and exotic earthworms in northern New England, USA, Soil Biology & Biochemistry 85, 190-198 DOI: 10.1016/j.soilbio.2015.03.001	4	4,926	27,13
	9. Hodson, ME; Benning, LG; Demarchi, B; Penkman, KEH; Rodriguez-Blanco, JD; Schofield, PF; Versteegh, EAA, 2015, Biomineralisation by earthworms - an investigation into the stability and distribution of amorphous calcium carbonate, GEOCHEMICAL TRANSACTIONS, 16	7	1,727	6,362
	10. Aghababaei, F; Raiesi, F; Fiosseinpur, A, 2014, The influence of earthworm and mycorrhizal co-inoculation on Cd speciation in a contaminated soil, Source: SOIL BIOLOGY & BIOCHEMISTRY Volume: 78 Pages: 21-29 DOI: 10.1016/j.soilbio.2014.06.010	3	4,926	36,173
	11. Hodson, ME; Black, S; Brinza, L; Carpenter, D; Lambkin, DC; Mosselmans, JFW; Palumbo-Roe, B; Schofield, PF; Sizmur, T; Versteegh, EAA, Biology as an agent of chemical and mineralogical change in soil, Geochemistry Of The Earth's Surface Ges-10 Book Series: PROCEDIA EARTH AND PLANETARY SCIENCE, Volume: 10 Pages: 114-117 DOI: 10.1016/j.proeps.2014.08.039	10		5,00
4. <u>L. Brinza</u> , P. F. Schofield, M. E. Hodson, S. Weller, K. Ignatyev, K. Geraki, P. D. Quinn and J. F. W. Mosselmans, 2014, Combining μ XANES and μ XRD mapping to analyse the heterogeneity in calcium carbonate granules excreted by the earthworm <i>Lumbricus terrestris</i> , Journal of Synchrotron Radiation ,	15 citări			
	1 Title: A versatile liquid-jet/sessile droplet system for operando studies of reactions in liquid dispersions and solutions by X-ray absorption spectroscopy, Author(s): Chang, SY (Chang, S. -Y.); Kathyola, TA (Kathyola, T. A.); Willneff, EA (Willneff, E. A.); Willis, CJ (Willis, Colin John); Wilson, P (Wilson, P.); Dowding, PJ (Dowding, P. J.); Cibi, G (Cibi, G.); Kroner, AB (Kroner, A. B.); Shotton, EJ (Shotton, E. J.); Schroeder, SLM (Schroeder, S. L. M.), Source: REACTION CHEMISTRY & ENGINEERING Volume: 4 Issue: 4 Pages: 679-687 DOI: 10.1039/c8re00207j Published: APR 1 2019	10	4,641	10,282
	2 Title: Evaluating Synchrotron-Based Scanning Laue Microdiffraction for Mineralogy Mapping in Heterogeneous Samples, Author(s): Hamilton, JG (Hamilton, Jordan G.); Reid, JW (Reid, Joel W.); Feng, RF (Feng, Renfei); Peak, D (Peak, Derek), Source: ACS EARTH AND SPACE CHEMISTRY Volume: 2 Issue: 11 Pages: 1161-1167 DOI:	4		12,5

01/2014, 21, 235-41; DOI:10.1107/S160057751303083X	10.1021/acsearthspacechem.8b00063 Published: NOV 2018					
	3	Title: The Spectroscopy Village at Diamond Light Source, Author(s): Diaz-Moreno, S (Diaz-Moreno, Sofia); Amboage, M (Amboage, Monica); Basham, M (Basham, Mark); Boada, R (Boada, Roberto); Bricknell, NE (Bricknell, Nicolas E.); Cibir, G (Cibir, Giannantonio); Cobb, TM (Cobb, Thomas M.); Filik, J (Filik, Jacob); Freeman, A (Freeman, Adam); Geraki, K (Geraki, Kalotina); Gianolio, D (Gianolio, Diego); Hayama, S (Hayama, Shusaku); Ignatyev, K (Ignatyev, Konstantin); Keenan, L (Keenan, Luke); Mikulska, I (Mikulska, Iuliia); Mosselmans, JFW (Mosselmans, J. Frederick W.); Mudd, JJ (Mudd, James J.); Parry, SA (Parry, Stephen A.), Source: JOURNAL OF SYNCHROTRON RADIATION Volume: 25 Special Issue: SI Pages: 998-1009 DOI: 10.1107/S1600577518006173 Part: 4 Published: JUL 2018	18	3,232	4,146	
	4	Title: Calcium-mediated stabilisation of soil organic carbon, Author(s): Rowley, MC (Rowley, Mike C.); Grand, S (Grand, Stephanie); Verrecchia, EP (Verrecchia, Eric P.), Source: BIOGEOCHEMISTRY Volume: 137 Issue: 1-2 Pages: 27-49 DOI: 10.1007/s10533-017-0410-1 Published: JAN 2018 , Accession Number: WOS:000423362600003	3	3,265	25,1	
	5	Versteegh, EAA; Black, S; Hodson, ME, 2017, Carbon isotop fractionation between amorphous calcium carbonate and calcite in earthworm produced calcium carbonate, APPLIED GEOCHEMISTRY, 78	3	3,088	23,92	
	6	Grunwaldt H S; Zimina A; Göttlicher J; Grunwaldt J-D, 2016, Study of the relation between Mg content and dissolution kinetics of natural lime stone using μ XRF, μ XRD and μ XAS, JOURNAL OF PHYSICS CONFERENCE SERIES 712(1):012144	4		12,5	
	7	Johnson-Maynard Jodi L.; Strawn Daniel G., 2016, Linking Physical and Biogeochemical Properties and Processes in the Drilosphere, SOIL SCIENCE, 181(3/4):126-132	2	1,387	18,87	
	8	Mosselmans, J.Fred Willem; Pearce, C.I., Bower, William; Pattrick, Richard A D; Price, Stephen W. T.; Beale Andrew; Sims Adam; Barrio Laura, 2016, Microscopic X-ray imaging techniques applied to mineral systems and catalyst particles, DOI: 10.1346/CMS-WLS-21.6				
	9	Monarumit, N; Noirawee, N; Phlayrahan, A; Promdee, K; Won-In, K; Satitkune, S, 2016, Structural Analysis of Freshwater-Cultured Pearls with Different Lustres Using the Extended X-Ray Absorption Fine Structure Technique, JOURNAL OF APPLIED SPECTROSCOPY, 83/2, 298-301, DOI: 10.1007/s10812-016-0285-2 Published: MAY 2016	6	0,611	3,703	
	10	Xu, N; Wang, YL; Xu, XT; Liu, C; Qian, JC; Feng, G, 2016, Mechanisms and Applications of the Synthesized Fusiform Aragonite for the Removal of High Concentration of Phosphate, WATER AIR AND SOIL POLLUTION, 227/2, DOI: 10.1007/s11270-016-2757-7	6	1,769	7,563	
	11	Kittiphop Promdee, 2015, Identification of High-Luster and Lusterless Freshwater-Cultured Pearls by X-Ray Absorption Spectroscopy, JOURNAL OF APPLIED SPECTROSCOPY,	1	0,611	22,22	
12	Hodson, ME; Benning, LG; Demarchi, B; Penkman, KEH; Rodriguez-Blanco, JD; Schofield, PF; Versteegh, EAA, 2015, Biomineralisation by earthworms - an investigation into the stability and distribution of amorphous calcium carbonate, GEOCHEMICAL	7	1,727	6,362		

	TRANSACTIONS, 16, DOI: 10.1186/s12932-015-0019-z Published: APR 28,			
	13 Grafe, M; Klauber, C; Gan, B; Tappero, RV, 2014, Synchrotron X-ray microdiffraction (mu XRD) in minerals and environmental research, Powder Diffraction, 29, S64-S72 DOI: 10.1017/S0885715614001031	4	0,519	5,095
	14 Schofield, PF; Smith, AD; Scholl, A; Doran, A; Covey-Crump, SJ; Young, AT; Ohldag, H, 2014, Chemical and oxidation-state imaging of mineralogical intergrowths: The application of X-ray photo-emission electron microscopy (XPEEM), COORDINATION CHEMISTRY REVIEWS, 277/31-43, DOI: 10.1016/j.ccr.2014.02.006	7	14,499	42,854
	15 West, M; Ellis, AT; Potts, PJ; Streli, C; Vanhoof, C; Wobrauschek, P, 2014, 2014 Atomic Spectrometry Update - a review of advances in X-ray fluorescence spectrometry, JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY, 29/9, 1516-1563, DOI: 10.1039/c4ja90038c	6	3,608	13,693
	16 Hodson, ME; Black, S; Brinza, L; Carpenter, D; Lambkin, DC; Mosselmans, JFW; Palumbo-Roe, B; Schofield, PF; Sizmur, T; Versteegh, EAA, 2014, Biology as an agent of chemical and mineralogical change in soil, Geochemistry Of The Earth's Surface Ges-10 Book Series: Procedia Earth and Planetary Science, Volume: 10 Pages: 114-117 DOI: 10.1016/j.proeps.2014.08.039	10		5,00
5. Phuc Vu, Samuel Shaw, <u>Loredana Brinza</u> , Liane G Benning, 2013, Partitioning of Pb (II) during goethite and hematite crystallisation: implication for Pb transport in natural systems, 2013 Applied Geochemistry , 39, 119-128; DOI:10.1016/j.apgeochem.2013.10.001	17 citări			
	1 Title: Characterization of goethite-fulvic acid composites and their impact on the immobility of Pb/Cd in soil, Author(s): Liu, QJ (Liu, Qianjun); Li, X (Li, Xiang); Tang, JP (Tang, Jiepeng); Zhou, YM (Zhou, Yangmei); Lin, QT (Lin, Qintie); Xiao, RB (Xiao, Rongbo); Zhang, M (Zhang, Min), Source: CHEMOSPHERE, Volume: 222 Pages: 556-563 DOI: 10.1016/j.chemosphere.2019.01.171 Published: MAY 2019	7	4,427	14,07
	2 Title: The interfacial reactivity of arsenic species with green rust sulfate (GR(SO ₄)), Author(s): Perez, JPH (Perez, Jeffrey Paulo H.); Freeman, HM (Freeman, Helen M.); Schuessler, JA (Schuessler, Jan A.); Benning, LG (Benning, Liane G.), Source: SCIENCE OF THE TOTAL ENVIRONMENT Volume: 648 Pages: 1161-1170 DOI: 10.1016/j.scitotenv.2018.08.163 Published: JAN 15 2019	4	4,61	25,55
	3 Title: Pb-210 and Po-210 in Geological and Related Anthropogenic Materials: Implications for Their Mineralogical Distribution in Base Metal Ores, Author(s): Cook, NJ (Cook, Nigel J.); Ehrig, KJ (Ehrig, Kathy J.); Rollog, M (Rollog, Mark); Ciobanu, CL (Ciobanu, Cristiana L.); Lane, DJ (Lane, Daniel J.); Schmandt, DS (Schmandt, Danielle S.); Owen, ND (Owen, Nicholas D.); Hamilton, T (Hamilton, Toby); Grano, SR (Grano, Stephen R.), Source: MINERALS Volume: 8 Issue: 5 Article Number: 211 DOI: 10.3390/min8050211 Published: MAY 2018	9	1,835	5,188
	4 Title: Mechanisms of Se(IV) Co-precipitation with Ferrihydrite at Acidic and Alkaline Conditions and Its Behavior during Aging, Author(s): Francisco, PCM (Francisco, Paul Clarence M.); Sato, T (Sato, Tsutomu); Otake, T (Otake, Tsubasa); Kasama, T (Kasama, Takeshi); Suzuki, S	7	6,653	20,437

	(Suzuki, Shinichi); Shiwaku, H (Shiwaku, Hideaki); Yaita, T (Yaita, Tsuyoshi), Source: ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 52 Issue: 8 Pages: 4817-4826 DOI: 10.1021/acs.est.8b00462 Published: APR 17 2018			
5	Cuss, CW; Grant-Waver, I; Shotyk, W; 2017, AF4-ICPMS with 300 da membrane to resonve Metal Bearing "coloids"< 1kDa, Optimization, Fractogram Deconvolution and Advanced Quality Control, ANALYTICAL CHEMISTRY,	3	6,042	43,613
6	Georgiev, P; Groudev, S; Spasova, I; Nicolova M; 2017, Transport of radionuclides and heavy metals during clean up of cinnamonic soil, JOURNAL OF GEOCHEMICAL EXPLORATION, 174	4	2,858	16,79
7	Segura, FR; Nunes, EA; Paniz, FP; Paulelli, ACC; Rodrigues, GB; Braga, GUL; Pedreira, WD; Barbosa, F; Cerchiaro, G; Silva, FF; Batista, BL, 2016, Potential risks of the residue from Samarco's mine dam burst (Bento Rodrigues, Brazil), ENVIRONMENTAL POLLUTION, 218, 813-825 DOI: 10.1016/j.envpol.2016.08.005	11	4,358	8,832
8	Trueman, BF; Gagnon, GA, 2016, A new analytical approach to understanding nanoscale lead-iron interactions in drinking water distribution systems, JOURNAL OF HAZARDOUS MATERIALS, 311, 151-157, DOI: 10.1016/j.jhazmat.2016.03.001	2	6,434	69,34
9	Tiberg, C; Kumpiene, J; Gustafsson, JP; Marsz, A; Persson; Mench, M; Kleja, DB, 2016, Immobilization of Cu and As in two contaminated soils with zero-valent iron - Long-term performance and mechanisms, APPLIED GEOCHEMISTRY, 67, 144-152 DOI: 10.1016/j.apgeochem.2016.02.009,	7	3,088	10,251
10	Li, L; Song, WJ; Deng, CN; Zhang, DY; Al-Misned, FA; Mortuza, MG; Gadd, GM; Pan, XL , 2016, Effects of pH and Salinity on Adsorption of Hypersaline Photosynthetic Microbial Mat Exopolymers to Goethite: A Study Using a Quartz Crystal Microbalance and Fluorescence Spectroscopy, GEOMICROBIOLOGY JOURNAL, 33/3-4-Special Issue, 332-337, DOI: 10.1080/01490451.2015.1052120	8	1,433	4,832
11	Sanderson, P; Naidu, R; Bolan, N; Lim, JE; Ok, YS , 2015, Chemical stabilisation of lead in shooting range soils with phosphate and magnesium oxide: Synchrotron investigation, Journal Of Hazardous Materials, 299, 395-403, DOI: 10.1016/j.jhazmat.2015.06.056,	5	6,434	27,736
12	Brinza, L; Vu, HP; Shaw, S; Mosselmans, JFW; Benning, LG, 2015, Effect of Mo and V on the Hydrothermal Crystallization of Hematite from Ferrihydrite: An in Situ Energy Dispersive X-ray Diffraction and X-ray Absorption Spectroscopy Study, CRYSTAL GROWTH & DESIGN, 15/10, 4768-4780, DOI: 10.1021/acs.cgd.5b00173	5	3,972	17,888
13	Pedrot, M; Dia, A; Davranche, M; Gruau, G, 2015, Upper soil horizons control the rare earth element patterns in shallow groundwater, GEODERMA, 239, 84-96, DOI: 10.1016/j.geoderma2014.09.023	4	3,74	21,2
14	Peng, Y; Yang, WQ; Wang, B; Zhang, HL; Yue, KL; Wu, FZ, 2015, Heavy metal output and content of headwater streams in an alpine forest in the upper reaches of the yangtze river,	6	0,673	3,91

	FRESENIUS ENVIRONMENTAL BULLETIN,24/1, 132-138			
	15 Vu, HP; Moreau, JW, 2015, Thiocyanate adsorption on ferrihydrite and its fate during ferrihydrite transformation to hematite and goethite, CHEMOSPHERE, 119, 987-993, DOI: 10.1016/j.chemosphere.2014.09.019	2	4,427	49,27
	16 Title: Formation of secondary hematite and its role in attenuation of contaminants at mine tailings: review and comparison of sites in Zambia and Namibia, Author(s): Sracek, O (Sracek, Ondra), Source: FRONTIERS IN ENVIRONMENTAL SCIENCE Volume: 2 Article Number: 64 DOI: 10.3389/fenvs.2014.00064 Published: 2015			
	17 Marshall, TA; Morris, K; Law, GTW ; Livens, FR; Mosselmans, JFW; Bots, P; Shaw, S, 2014, Incorporation of Uranium into Hematite during Crystallization from Ferrihydrite, ENVIRONMENTAL SCIENCE & TECHNOLOGY, 48/7, 3724-3731, DOI: 10.1021/es500212a	7	6,653	20,437
6. Loredana Brinza, Paul D. Quinn, Paul F. Schofield, Frederick J. W. Mosselmans, Mark E. Hodson, 2012, Incorporation of strontium in earthworm-secreted calcium carbonate granules produced in strontium-amended and strontium-bearing soil, Geochimica et Cosmochimica Acta , 113 21-37, DOI: 10.1016/j.gca.2013.03.011,	14 citări			
	1 Title: Mechanism of boron incorporation into calcites and associated isotope fractionation in a steady-state carbonate-seawater system, Author(s): Wang, YJ (Wang, Yi-Jing); Wei, HZ (Wei, Hai-Zhen); Jiang, SY (Jiang, Shao-Yong); van de Ven, TGM (van de Ven, Theo G. M.); Ling, BP (Ling, Bao-Ping); Li, YC (Li, Yin-Chuan); Lin, YB (Lin, Yi-Bo); Guo, Q (Guo, Qi), Source: APPLIED GEOCHEMISTRY Volume: 98 Pages: 221-236 DOI: 10.1016/j.apgeochem.2018.09.013 Published: NOV 2018	8	3,088	8,97
	2 Littlewood, JL (Littlewood, Janice L.); Shaw, S (Shaw, Samuel); Peacock, CL (Peacock, Caroline L.); Bots, P (Bots, Pieter.); Trivedi, D (Trivedi, Divyesh); Burke, IT (Burke, Ian T.) 2017, Mechanisms of enhancing strontium uptake into calcite via an amorphous calcium carbonate crystallization pathways, CRYSTAL GROWTH & DESIGN,	6	3,972	14,906
	3 Versteegh E.A.A., Black S., Hodson M.E., 2017, Carbon isotope fractionation between amorphous calcium carbonate and calcite in earthworm-produced calcium carbonate, APPLIED GEOCHEMISTRY, 78,	3	3,088	23,92
	4 Katsikini, M, 2016, Detailed spectroscopic study of the role of Br and Sr in coloured parts of the Callinectes sapidus crab claw, JOURNAL OF STRUCTURAL BIOLOGY, 195/1, 1-10, DOI: 10.1016/j.jsb.2016.05.	1	3,433	78,66
	5 Carvalho, RM; dos Santos, JA; Silva, JAS; do Prado, TG; da Fonseca, AF; Chaves, ES; Frescura, VLA, 2015, Determination of metals in Brazilian soils by inductively coupled plasma mass spectrometry, ENVIRONMENTAL MONITORING AND ASSESSMENT,187/8, DOI: 10.1007/s10661-015-4769-y	7	1,804	6,582
	6 Li, ZY; Linares, RV; Bucs, S; Aubry, C; Ghaffour, N; Vrouwenvelder, JS; Amy, G, 2015, Calcium carbonate scaling in seawater desalination by ammonia-carbon dioxide forward osmosis: Mechanism and implications, JOURNAL OF MEMBRANE SCIENCE, 481, 36-43 DOI: 10.1016/j.memsci.2014.12.055,	7	6,578	20,222

	7	Hodson, ME; Benning, LG; Demarchi, B; Penkman, KEH; Rodriguez-Blanco, JD; Schofield, PF; Versteegh, EAA, 2015, Biomineralisation by earthworms - an investigation into the stability and distribution of amorphous calcium carbonate, GEOCHEMICAL TRANSACTIONS, 16, DOI: 10.1186/s12932-015-0019-z,	7	1,727	6,362
	8	Burke, IT; Mosselmans, JFW; Shaw, S; Peacock, CL; Benning, LG; Coker, VS, 2015, Impact of the Diamond Light Source on research in Earth and environmental sciences: current work and future perspectives, PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES, 373/ 2036, DOI:10.1098/rsta.2013.0151,	6	2,748	10,826
	9	Rodriguez-Tovar, FJ; Martin-Peinado, FJ, 2014, Lateral and vertical variations in contaminated sediments from the Tinto River area (Huelva, SW Spain): Incidence on tracer activity and implications of the palaeontological approach, PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGIA, 414, 426-437, DOI: 10.1016/j.palaeo.2014.09.022,	2	2,375	28,75
	10	Brinza, L; Schofield, PF; Mosselmans, JFW; Donner, E; Lombi, E; Paterson, D; Hodson, ME, 2014, Can earthworm-secreted calcium carbonate immobilise Zn in contaminated soils?, SOIL BIOLOGY & BIOCHEMISTRY, 74, 1-10 DOI: 10.1016/j.soilbio.2014.01.012	7	4,926	15,502
	11	Andersson, MP; Sakuma, H; Stipp, SLS, 2014, Strontium, Nickel, Cadmium, and Lead Substitution into Calcite, Studied by Density Functional Theory, LANGMUIR, 30-21, 6129-6133, DOI: 10.1021/la500832u,	3	3,789	28,593
	12	Versteegh, EAA; Black, S; Hodson, ME, 2014, Environmental controls on the production of calcium carbonate by earthworms, SOIL BIOLOGY & BIOCHEMISTRY, 70, 159-161 DOI: 10.1016/j.soilbio.2013.12.013	3	4,926	36,173
	13	Hodson, ME; Black, S; Brinza, L; Carpenter, D; Lambkin, DC; Mosselmans, JFW; Palumbo-Roe, B (Palumbo-Roe, Barbara); Schofield, PF; Sizmur, T; Versteegh, EAA, 2014, Biology as an agent of chemical and mineralogical change in soil, Geochemistry Of The Earth's Surface GES-10, Book Series: PROCEDIA EARTH AND PLANETARY SCIENCE,10,114-117 DOI: 10.1016/j.proeps.2014.08.039			
7.	Rob Raiswell, Hong Phuc Vu, Loredana Brinza, Liane Benning, (2010), The determination of Fe in		51 citări		
	1	Title: The shelf-to-basin iron shuttle in the Black Sea revisited, Author(s): Lenstra, WK (Lenstra, W. K.); Hermans, M (Hermans, M.); Seguret, MJM (Seguret, M. J. M.); Witbaard, R (Witbaard, R.); Behrends, T (Behrends, T.); Dijkstra, N (Dijkstra, N.); van Helmond,	13	3,57	6,261

ferrihydrite by ascorbic acid extraction: methodology, dissolution kinetics and loss of solubility with age and de-watering, Chemical Geology , Vol 278, 1-2, 70-79 doi:10.1016/j.chemgeo.2010.09.002		NAGM (van Helmond, N. A. G. M.); Kraal, P (Kraal, P.); Laan, P (Laan, P.); Rijkenberg, MJA (Rijkenberg, M. J. A.); Severmann, S (Severmann, S.); Teaca, A (Teaca, A.); Slomp, CP (Slomp, C. P.), Source: CHEMICAL GEOLOGY Volume: 511 Pages: 314-341 DOI: 10.1016/j.chemgeo.2018.10.024 Published: APR 20 2019			
	2	Title: Reductive dissolution of As(V)-bearing Fe(III)-precipitates formed by Fe(II) oxidation in aqueous solutions, Author(s): Voegelin, A (Voegelin, Andreas); Senn, AC (Senn, Anna-Caterina); Kaegi, R (Kaegi, Ralf); Hug, SJ (Hug, Stephan J.), Source: GEOCHEMICAL TRANSACTIONS Volume: 20 Article Number: 2 DOI: 10.1186/s12932-019-0062-2 Published: MAR 22 2019	4	1,727	11,135
	3	Title: Evolution of the reactive surface area of ferrihydrite: time, pH, and temperature dependency of growth by Ostwald ripening, Author(s): Hiemstra, T (Hiemstra, Tjisse); Mendez, JC (Mendez, Juan C.); Li, JY (Li, Jiayu), Source: ENVIRONMENTAL SCIENCE-NANO Volume: 6 Issue: 3 Pages: 820-833 DOI: 10.1039/c8en01198b Published: MAR 1 2019	3	6,087	43,913
	4	Title: Impact of natural re-oxygenation on the sediment dynamics of manganese, iron and phosphorus in a euxinic Baltic Sea basin, Author(s): Hermans, M (Hermans, Martijn); Lenstra, WK (Lenstra, Wytze K.); van Helmond, NAGM (van Helmond, Niels A. G. M.); Behrends, T (Behrends, Thilo); Egger, M (Egger, Matthias); Seguret, MJM (Seguret, Marie J. M.); Gustafsson, E (Gustafsson, Erik); Gustafsson, BG (Gustafsson, Bo G.); Slomp, CP (Slomp, Caroline P.), Source: GEOCHIMICA ET COSMOCHIMICA ACTA Volume: 246 Pages: 174-196 DOI: 10.1016/j.gca.2018.11.033 Published: FEB 1 2019	9	4,69	11,533
	5	Title: Iron in Glacial Systems: Speciation, Reactivity, Freezing Behavior, and Alteration During Transport, Author(s): Raiswell, R (Raiswell, Robert); Hawkings, J (Hawkings, Jon); Eisenousy, A (Eisenousy, Amira); Death, R (Death, Ros); Tranter, M (Tranter, Martyn); Wadham, J (Wadham, Jemma), Source: FRONTIERS IN EARTH SCIENCE Volume: 6 Article Number: UNSP 222 DOI: 10.3389/feart.2018.00222 Published: DEC 11 2018	6		8,333
	6	Title: Biolabile ferrous iron bearing nanoparticles in glacial sediments, Author(s): Hawkings, JR (Hawkings, Jon R.); Benning, LG (Benning, Liane G.); Raiswell, R (Raiswell, Rob); Kaulich, B (Kaulich, Burkhard); Araki, T (Araki, Tohru); Abyaneh, M (Abyaneh, Majid); Stockdale, A (Stockdale, Anthony); Koch-Muller, M (Koch-Mueller, Monika); Wadham, JL (Wadham, Jemma L.); Tranter, M (Tranter, Martyn), Source: EARTH AND PLANETARY SCIENCE LETTERS Volume: 493 Pages: 92-101 DOI: 10.1016/j.epsl.2018.04.022 Published: JUL 1 2018	10	4,581	10,162
	7	Title: AN EVALUATION OF SEDIMENTARY MOLYBDENUM AND IRON AS PROXIES FOR PORE FLUID PALEOREDOX CONDITIONS, Author(s): Hardisty, DS (Hardisty, Dalton S.); Lyons, TW (Lyons, Timothy W.); Riedinger, N (Riedinger, Natascha); Isson, TT (Isson, Terry T.); Owens, JD (Owens, Jeremy D.); Aller, RC (Aller, Robert C.); Rye, DM (Rye, Danny M.); Planavsky, NJ (Planavsky, Noah J.); Reinhard, CT (Reinhard, Christopher T.); Gill, BC (Gill,	13	3,893	6,758

	Ben C.); Masterson, AL (Masterson, Andrew L.); Asael, D (Asael, Dan); Johnston, DT (Johnston, David T.), Source: AMERICAN JOURNAL OF SCIENCE Volume: 318 Issue: 5 Pages: 527-556 DOI: 10.2475/05.2018.04 Published: MAY 2018			
8	Title: Nontronite as natural source and growth template for (nano)maghemite [γ -Fe ₂ O ₃] and (nano)Wustite [Fe _{1-x} O], Author(s): Cervini-Silva, J (Cervini-Silva, Javiera); Palacios, E (Palacios, Eduardo); Gomez-Vidales, V (Gomez-Vidales, Virginia), Source: APPLIED CLAY SCIENCE Volume: 156 Pages: 178-186 DOI: 10.1016/j.clay.2018.02.009 Published: MAY 2018	3	3,641	27,606
9	Title: Mineralogical characteristics of sediments and heavy metal mobilization along a river watershed affected by acid mine drainage, Author(s): Xie, YY (Xie, Yingying); Lu, GN (Lu, Guining); Yang, CF (Yang, Chengfang); Qu, L (Qu, Lu); Chen, MQ (Chen, Meiqin); Guo, CL (Guo, Chuling); Dang, Z (Dang, Zhi), Source: PLOS ONE Volume: 13 Issue: 1 Article Number: e0190010 DOI: 10.1371/journal.pone.0190010 Published: JAN 5 2018	7	2,766	9,331
10	Title: Iron Mineralogy and Speciation in Clay-Sized Fractions of Chinese Desert Sediments, Author(s): Lu, WY (Lu, Wanyi); Zhao, WC (Zhao, Wancang); Balsam, W (Balsam, William); Lu, H (Lu, Huayu); Liu, P (Liu, Pan); Lu, ZL (Lu, Zunli); Ji, JF (Ji, Junfeng), Source: JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES Volume: 122 Issue: 24 Pages: 13458-13471 DOI: 10.1002/2017JD027733 Published: DEC 27 2017	7	3,38	11,085
11	Title: Determination of Cr(III) solids formed by reduction of Cr(VI) in a contaminated fractured bedrock aquifer: Evidence for natural attenuation of Cr(VI), Author(s): Zhao, JJ (Zhao, Jiujiang); Al, T (Al, Tom); Chapman, SW (Chapman, Steven W.); Parker, BL (Parker, Beth L.); Mishkin, KR (Mishkin, Katherine R.); Cutt, D (Cutt, Diana); Wilkin, RT (Wilkin, Richard T.), Source: CHEMICAL GEOLOGY Volume: 474 Pages: 1-8 DOI: 10.1016/j.chemgeo.2017.10.004 Published: DEC 10 2017	7	3,57	11,628
12	Bligh, Mark W.; Maheshwari, Pradeep; Waite, T. David, 2017, Formation, reactivity and aging of amorphous ferric oxides in the presence of model and membrane bioreactor derived organics, WATER RESEARCH, 124, 341-352	3	7,051	50,34
13	Herzog, S.D., Persson, P., Kritzberg, E.S., 2017, Salinity Effects on Iron Speciation in Boreal River Waters, ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 51 (17), pp. 9747-9755. DOI: 10.1021/acs.est.7b02309	3	6,653	47,686
14	Wehrmann, L.M., Riedinger, N., Brunner, B., Kamysny, A., Hubert, C.R.J., Herbert, L.C., Brüchert, V., Jørgensen, B.B., Ferdelman, T.G., Formolo, M.J., (2017), Iron-controlled oxidative sulfur cycling recorded in the distribution and isotopic composition of sulfur species in glacially influenced fjord sediments of west Svalbard, CHEMICAL GEOLOGY, 466, 678-695. DOI: 10.1016/j.chemgeo.2017.06.013,	10	3,57	8,14
15	Klar, J.K., Homoky, W.B., Statham, P.J., Birchill, A.J., Harris, E.L., Woodward, E.M.S., Silburn, B., Cooper, M.J., James, R.H., Connelly, D.P., Chever, F., Lichtschlag, A., Graves, C., (2017) Stability of dissolved and soluble Fe(II) in shelf sediment pore waters and	13	3,265	5,7923

	release to an oxic water column, BIOGEOCHEMISTRY, 135 (1-2), pp. 49-67. DOI: 10.1007/s10533-017-0309-x,			
16	Tao, J., Ma, W., Zhu, M., Li, T., Yang, R.,(2017) Characterization of iron diagenesis in marine sediments using refined iron speciation and quantized iron(III)-oxide reactivity: a case study in the Jiaozhou Bay, China, ACTA OCEANOLOGICA SINICA, 36 (7), pp. 48-55. DOI: 10.1007/s13131-016-1083-2,	5	0,728	4,912
17	Monien, D., Monien, P., Brünjes, R., Widmer, T., Kappenberg, A., Silva Busso, A.A., Schnetger, B., Brumsack, H.-J. (2017),Meltwater as a source of potentially bioavailable iron to Antarctica waters, ANTARCTIC SCIENCE, 29 (3), pp. 277-291, DOI: 10.1017/S095410201600064X,	8	1,394	4,735
18	Phillips, S.C., Johnson, J.E., Clyde, W.C., Setera, J.B., Maxbauer, D.P., Severmann, S., Riedinger, N., (2017) Rock magnetic and geochemical evidence for authigenic magnetite formation via iron reduction in coal-bearing sediments offshore Shimokita Peninsula, Japan (IODP Site C0020), GEOCHEMISTRY, GEOPHYSICS, GEOSYSTEMS, 18 (6), pp. 2076-2098., DOI: 10.1002/2017GC006943,	7	2,981	9,945
19	Riedinger, N., Brunner, B., Krastel, S., Arnold, G.L., Wehrmann, L.M., Formolo, M.J., Beck, A., Bates, S.M., Henkel, S., Kasten, S., Lyons, T.W., (2017) Sulfur cycling in an iron oxide-dominated, dynamic marine depositional system: The argentine continental margin, FRONTIERS IN EARTH SCIENCE, 5, art. no. 33, DOI: 10.3389/feart.2017.00033	11		4,54
20	Thibault de Chanvalon, A., Mouret, A., Knoery, J., Geslin, E., Péron, O., Metzger, E., (2016) Manganese, iron and phosphorus cycling in an estuarine mudflat, Loire, France, JOURNAL OF SEA RESEARCH, 118, pp. 92-102., DOI: 10.1016/j.seares.2016.10.004	6	1,729	7,43
21	Thibault de Chanvalon, A.; Metzger, E.; Mouret, A.; Knoery, J; Chiffolleau, J. -F; Brach-Papa, C., 2016, Particles transformation in estuaries: Fe, Mn and REE signatures through the Loire Estuary, JOURNAL OF SEA RESEARCH, 118, Special Issue, 103-112,	6	1,729	7,43
22	Hopwood, M.J., Connelly, D.P., Arendt, K.E., Juul-Pedersen, T., Stinchcombe, M.C., Meire, L., Esposito, M., Krishna, R., (2016) Seasonal changes in Fe along a glaciated Greenlandic fjord, FRONTIERS IN EARTH SCIENCE, 4, art. no. 15, DOI: 10.3389/feart.2016.00015,			
23	Najem, T; Langley, S; Fortin, D, 2016, A comparison of Fe(III) reduction rates between fresh and aged biogenic iron oxides (BIOS) by Shewanella putrefaciens CN32, CHEMICAL GEOLOGY, 439, 1-12, DOI: 10.1016/j.chemgeo.2016.06.006	3	3,57	27,133
24	Hardisty, DS; Riedinger, N; Planavsky, NJ; Asael, D; Andren, T; Jorgensen, BB; Lyons, TW, 2016, A Holocene History Of Dynamic Water Column Redox Conditions In The Landsort Deep, Baltic Sea, AMERICAN JOURNAL OF SCIENCE, 316/8, 713-745, DOI: 10.2475/08.2016.01	7	3,893	12,551
25	Herraiz-Borreguero, L; Lannuzel, D; van der Merwe, P; Treverrow, A; Pedro, JB, 2016, Large flux of iron from the Amery Ice Shelf marine ice to Prydz Bay, East Antarctica,	5	2,711	12,844

	JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS, 121/8, 6009-6020, DOI: 10.1002/2016JC011687			
26	Markussen, TN; Elberling, B; Winter, C; Andersen, TJ, 2016, Flocculated meltwater particles control Arctic land-sea fluxes of labile iron, SCIENTIFIC REPORTS, 6, DOI: 10.1038/srep24033,	4	4,122	23,11
27	Macchia, A; Ruffolo, SA; Rivaroli, L; La Russa, MF, 2016, The Treatment Of Iron-Stained Marble: Toward A "Green" Solution, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, 7/1, 323-332,	4		12,5
28	Henkel, S; Kasten, S; Poulton, SW; Staubwasser, M, 2016, Determination of the stable iron isotopic composition of sequentially leached iron phases in marine sediments, CHEMICAL GEOLOGY, 421, 93-102 DOI: 10.1016/j.cheingeo.2015.12.003,	4	3,57	20,35
29	Hawkings, J; Wadham, J; Tranter, M; Telling, J; Bagshaw, E; Beaton, A; Simmons, SL; Chandler, D; Tedstone, A; Nienow, P, 2016, The Greenland Ice Sheet as a hot spot of phosphorus weathering and export in the Arctic, GLOBAL BIOGEOCHEMICAL CYCLES, 30/2, DOI: 10.1002/2015GB005237	10	4,457	9,914
30	Raiswell, R; Hawkings, JR; Benning, LG; Baker, AR; Death, R; Samuel, AA Mahowald, N; Krom, MD; Poulton, SW; Wadham, J; Tranter, M, 2016, Potentially bioavailable iron delivery by iceberg-hosted sediments and atmospheric dust to the polar oceans, BIOGEOSCIENCES, 13/13, 3887-3900, DOI: 10.5194/bg-13-3887-2016	11	3,441	7,165
31	Senn, AC; Kaegi, R; Hug, SJ; Hering, JG; Mangold, S; Voegelin, A, 2015, Composition and structure of Fe(III)-precipitates formed by Fe(II) oxidation in water at near-neutral pH: Interdependent effects of phosphate, silicate and Ca, GEOCHIMICA ET COSMOCHIMICA ACTA, 162, 220-246, DOI: 10.1016/j.gca.2015.04.032,	6	4,69	17,3
32	Friedrich, AJ ; Beard, BL; Rosso, KM; Scherer, MM; Spicuzza, MJ; Valley, JW; Johnson, CM, 2015, Low temperature, non-stoichiometric oxygen-isotope exchange coupled to Fe(II)-goethite interactions, GEOCHIMICA ET COSMOCHIMICA ACTA, 160, 38-54, DOI: 10.1016/j.gca.2015.03.029	7	4,69	14,828
33	Queroue, F; Sarthou, G; Planquette, HF; Bucciarelli, E; Chever, F; van der Merwe, P; Lannuzel, D; Townsend, AT; Cheize, M; Blain, S; d'Ovidio, F; Bowie, AR, 2015, High variability in dissolved iron concentrations in the vicinity of the Kerguelen Islands (Southern Ocean), BIOGEOSCIENCES, 12/12, 3869-3883, DOI: 10.5194/bg-12-3869-2015,	12	3,441	6,568
34	van der Merwe, P ; Bowie, AR; Queroue, F; Armand, L; Blain, S; Chever, F; Davies, D; Dehairs, F; Planchon, F; Sarthou, G; Townsend, AT; Trull, TW, 2015, Sourcing the iron in the naturally fertilised bloom around the Kerguelen Plateau: particulate trace metal dynamics, BIOGEOSCIENCES, 12/3, 739-755. DOI: 10.5194/bg-12-739-2015,;	12	3,441	6,568
35	Nielsen, SS; Kjeldsen, P; Hansen, HCB; Jakobsen, R, 2014, Transformation of natural ferrihydrite aged in situ in As, Cr and Cu contaminated soil studied by reduction kinetics,	4	3,088	17,94

	APPLIED GEOCHEMISTRY, 51, 293-302, DOI: 10.1016/j.apgeochem.2014.10.014,			
36	Hawkings, JR; Wadham, JL; Tranter, M; Raiswell, R; Benning, LG; Statham, PJ; Tedstone, A; Nienow, P; Lee, K; Telling, J, 2014, Ice sheets as a significant source of highly reactive nanoparticulate iron to the oceans, NATURE COMMUNICATIONS, 5, DOI: 10.1038/ncomms4929,	10	12,353	25,706
37	Friedrich, AJ; Beard, BL; Scherer, MM; Johnson, CM, 2014, Determination of the Fe(II)(aq)-magnetite equilibrium iron isotope fractionation factor using the three-isotope method and a multi-direction approach to equilibrium, EARTH AND PLANETARY SCIENCE Letters, 391, 77-86, DOI: 10.1016/j.epsl.2014.01.032	4	4,581	25,405
38	Hopwood, MJ; Statham, PJ ; Tranter, M; Wadham, JL, 2014, Glacial flours as a potential source of Fe(II) and Fe(III) to polar waters, BIOGEOCHEMISTRY, 118/1-3, 443-452, DOI: 10.1007/s10533-013-9945-y	4	3,441	19,705
39	Zhu, MX; Chen, LJ; Yang, GP; Fan, CQ; Li, T, 2014, Kinetic characterization on reductive reactivity of iron(III) oxides in surface sediments of the East China Sea and the influence of repeated redox cycles: Implications for microbial iron reduction, APPLIED GEOCHEMISTRY, 42, 16-26, DOI: 10.1016/j.apgeochem.2014.01.001	5	3,088	14,352
40	Riedinger, N; Formolo, MJ; Lyons, TW; Henkel, S; Beck, A; Kasten, S , 2014, An inorganic geochemical argument for coupled anaerobic oxidation of methane and iron reduction in marine sediments, GEOBIOLOGY, 12/2, 172-181 DOI: 10.1111/gbi.12077	6	4,158	15,526
41	Vallina, B; Rodriguez-Blanco, JD; Brown, AP; Benning, LG; Blanco, JA, 2014, Enhanced magnetic coercivity of alpha-Fe ₂ O ₃ obtained from carbonated 2-line ferrihydrite, JOURNAL OF NANOPARTICLE RESEARCH, 16/3, DOI: 10.1007/s11051-014-2322-5	5	2,127	10,508
42	Chen, LJ (Chen, Liang-Jin); Zhu, MX (Zhu, Mao-Xu); Yang, GP (Yang, Gui-Peng); Huang, XL (Huang, Xiang-Li), 2013, Reductive Reactivity of Iron(III) Oxides in the East China Sea Sediments: Characterization by Selective Extraction and Kinetic Dissolution, PLOS ONE, 8/11, DOI: 10.1371/journal.pone.0080367	4	2,766	16,33
43	Moon, EM; Peacock, CL, 2012, Adsorption of Cu(II) to ferrihydrite and ferrihydrite-bacteria composites: Importance of the carboxyl group for Cu mobility in natural environments, GEOCHIMICA ET COSMOCHIMICA ACTA, 92, 203-219, DOI: 10.1016/j.gca.2012.06.012	2	4,69	51,9
44	Shi, ZB; Krom, MD; Jickells, TD; Bonneville, S; Carslaw, KS; Mihalopoulos, N; Baker, AR; Benning, LG, 2012, Impacts on iron solubility in the mineral dust by processes in the source region and the atmosphere: A review, AEOLIAN RESEARCH, 5, 21-42, DOI: 10.1016/j.aeolia.2012.03.001	8	2,346	7,115
45	Lam, PJ; Ohnemus, DC ; Marcus, MA, 2012, The speciation of marine particulate iron adjacent to active and passive continental margins, GEOCHIMICA ET COSMOCHIMICA ACTA, 80, 108-124, DOI: 10.1016/j.gca.2011.11.044	3	4,69	34,6

	46	Raiswell, R; Canfield, DE, 2012, The iron biogeochemical cycle past and present, GEOCHEMICAL PERSPECTIVES, 1/1, 1-220 DOI: 10.7185/geochempersp.1.1	2	4,000	45
	47	Bligh, MW; Waite, TD, 2011, Formation, reactivity, and aging of ferric oxide particles formed from Fe(II) and Fe(III) sources: Implications for iron bioavailability in the marine environment, GEOCHIMICA ET COSMOCHIMICA ACTA, 75/24, 7741-7758 DOI: 10.1016/j.gca.2011.10.013,	2	4,69	51,9
	48	Raiswell, R, 2011, Iceberg-hosted nanoparticulate Fe in the Southern Ocean: Mineralogy, origin, dissolution kinetics and source of bioavailable Fe, DEEP-SEA RESEARCH PART II-TOPICAL STUDIES IN OCEANOGRAPHY, 58/11-12, 1364-1375, DOI: 10.1016/j.dsr2.2010.11.011	1	2,451	59,02
	49	Shaw, TJ; Raiswell, R; Hexel, CR; Vu, HP; Moore, WS; Dudgeon, R; Smith, KL, 2011, Input, composition, and potential impact of terrigenous material from free-drifting icebergs in the Weddell Sea, DEEP-SEA RESEARCH PART II-TOPICAL STUDIES IN OCEANOGRAPHY, 58/11-12, 1376-1383, DOI: 10.1016/j.dsr2.2010.11.012	7	2,451	8,431
	50	Raiswell, R, 2011, Iron Transport from the Continents to the Open Ocean: The Aging-Rejuvenation Cycle, Elements, 7/2, 101-106, DOI: 10.2113/gselements.7.2.101,	1	4,329	96,58
	51	Shi, Z; Bonneville, S ; Krom, M.D; Carslaw, K.S; Jickells, T.D; Baker, AR Benning, L.G, 2011, Iron dissolution kinetics of mineral dust at low pH during simulated atmospheric processing, ATMOSPHERIC CHEMISTRY AND PHYSICS, 11/3, 995-1007, DOI: 10.5194/acp-11-995-2011	7	5,509	17,168
8. Vu Hong Phuc, Shaw Samuel, <u>Brinza Loredana</u> , Benning Liane G., (2010), Crystallization of hematite (a-Fe ₂ O ₃) under alkaline condition: the effect of Pb" Crystal Growth and Design , Vol 10, No 4, 1544–1551, DOI: <u>10.1021/cg900782g</u> ,	21 citari				
	1.	Title: Synthesis of U-Pb doped hematite using a hydrated ferric oxide approach, Author(s): Courtney-Davies, L (Courtney-Davies, Liam); Ciobanu, CL (Ciobanu, Cristiana L.); Richardson, MW (Richardson, Marcus W.); Prosser, N (Prosser, Ned); Verdugo-Ihl, M (Verdugo-Ihl, Max); Wade, BP (Wade, Benjamin P.); Gilbert, SE (Gilbert, Sarah E.); Ehrig, KJ (Ehrig, Kathy J.); Cook, NJ (Cook, Nigel J.), Source: JOURNAL OF CRYSTAL GROWTH Volume: 513 Pages: 48-57 DOI: 10.1016/j.jcrysgr.2019.02.053 Published: MAY 1 2019	9	1,742	4,982
	2.	Title: U(VI) sorption during ferrihydrite formation: Underpinning radioactive effluent treatment, Author(s): Winstanley, EH (Winstanley, Ellen H.); Morris, K (Morris, Katherine); Abrahamsen-Mills, LG (Abrahamsen-Mills, Liam G.); Blackham, R (Blackham, Richard); Shaw, S (Shaw, Samuel), Source: JOURNAL OF HAZARDOUS MATERIALS Volume: 366 Pages: 98-104 DOI: 10.1016/j.jhazmat.2018.11.077 Published: MAR 15 2019	5	6,434	27,736
	3.	Title: Ferrihydrite transformation under the impact of humic acid and Pb: kinetics, nanoscale mechanisms, and implications for C and Pb dynamics, Author(s): Lu, Y (Lu, Yang); Hu, SW (Hu, Shiwen); Wang, ZM (Wang, Zimeng); Ding, Y (Ding, Yang); Lu, GN (Lu, Guining); Lin, Z (Lin, Zhang); Dang, Z (Dang, Zhi); Shi, ZQ (Shi, Zhenqing), Source: ENVIRONMENTAL SCIENCE-NANO Volume: 6 Issue: 3 Pages: 747-762 DOI: 10.1039/c8en01327f Published:	8	6,087	16,467

	MAR 1 2019			
	4. Title: Identification of Bernalite Transformation and Tridentate Arsenate Complex at Nano-goethite under Effects of Drying, pH and Surface Loading, Author(s): Han, J (Han, Junho); Ro, HM (Ro, Hee-Myong), Source: SCIENTIFIC REPORTS Volume: 8 Article Number: 8369 DOI: 10.1038/s41598-018-26808-4 Published: MAY 30 2018	2	4,122	46,22
	5. Peterson, Kristina M.; Heaney, Peter J.; Post, Jeffrey E, 2016, A kinetic analysis of the transformation from akaganeite to hematite: An in situ time-resolved X-ray diffraction study, CHEMICAL GEOLOGY, 444 Pages: 27-36,	3	3,57	27,133
	6. Bots, P; Shaw, S; Law, GTW; Marshall, TA; Mosselmans, JFW; Morris, K, 2016, Controls on the Fate and Speciation of Np(V) During Iron (Oxyhydr)oxide Crystallization, ENVIRONMENTAL SCIENCE & TECHNOLOGY 50/7, 3382-3390, DOI: 10.1021/acs.est.5b05571,	6	6,653	23,843
	7. Bayle, M; de Vivies, P; Memet, JB; Foy, E; Dillmann, P; Neff, D, 2016, Corrosion product transformations in alkaline baths under pressure and high temperature: The sub-critical stabilisation of marine iron artefacts stored under atmospheric conditions, MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, 67/2, 190-199, DOI: 10.1002/maco.201508257,	6	1,259	5,863
	8. Brinza, L; Vu, HP; Shaw, S; Mosselmans, JFW; Benning, LG, 2015, Effect of Mo and V on the Hydrothermal Crystallization of Hematite from Ferrihydrite: An in Situ Energy Dispersive X-ray Diffraction and X-ray Absorption Spectroscopy Study, CRYSTAL GROWTH & DESIGN, 15/10,4768-4780 DOI: 10.1021/acs.cgd.5b00173	5	3,975	17,9
	9. Burke, IT; Mosselmans, JFW; Shaw, S; Peacock, CL; Benning, LG; Coker, VS, 2015, Impact of the Diamond Light Source on research in Earth and environmental sciences: current work and future perspectives, PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES, 373/ 2036, DOI:10.1098/rsta.2013.0151,	6	2,748	10,826
	10. Vu, HP; Moreau, JW, 2015, Thiocyanate adsorption on ferrihydrite and its fate during ferrihydrite transformation to hematite and goethite, CHEMOSPHERE, 119, 987-993 DOI: 10.1016/j.chemosphere.2014.09.019	2	4,427	49,27
	11. Zhou, GH; Chang, JB; Cui, SM; Pu, HH; Wen, ZH; Chen, JH, 2014, Real-Time, Selective Detection of Pb ²⁺ in Water Using a Reduced Graphene Oxide/Gold Nanoparticle Field-Effect Transistor Device, ACS APPLIED MATERIALS & INTERFACES, 6/21 19235-19241, DOI: 10.1021/am505275a	6	8,097	28,656
	12. Das, S; Hendry, MJ, 2014, Characterization of hematite nanoparticles synthesized via two different pathways, JOURNAL OF NANOPARTICLE RESEARCH, 16/8, DOI: 10.1007/s11051-014-2535-7	2	2,127	26,27

	13. Marshall, TA; Morris, K; Law, GTW; Livens, FR; Mosselmans, JFW; Bots, P; Shaw, S, 2014, Incorporation of Uranium into Hematite during Crystallization from Ferrihydrite, ENVIRONMENTAL SCIENCE & TECHNOLOGY, 48/ 7, 3724-3731 DOI: 10.1021/es500212a	7	6,653	20,437
	14. Obonyo, E.A., Kamseu, E., Lemougna, P.N., Tchamba, A.B.; Melo, U.C., Leonelli, C. , 2014, A sustainable approach for the geopolymerization of natural iron-rich aluminosilicate materials, Sustainability (Switzerland), 6(9), pp. 5535-5553,	6	2,075	8,583
	15. Vallina, B; Rodriguez-Blanco, JD; Brown, AP; Benning, LG; Blanco, JA, 2014, Enhanced magnetic coercivity of alpha-Fe ₂ O ₃ obtained from carbonated 2-line ferrihydrite, JOURNAL OF NANOPARTICLE RESEARCH, 16/3, DOI: 10.1007/s11051-014-2322-5	5	2,127	10,508
	16. Vu, HP; Shaw, S; Brinza, L; Benning, LG, 2013, Partitioning of Pb(II) during goethite and hematite crystallization: Implications for Pb transport in natural systems, APPLIED GEOCHEMISTRY, 39, 119-128 DOI: 10.1016/j.apgeochem.2013.10.001	4	3,088	17,94
	17. Stawski, TM ; Benning, LG., 2013, SAXS in Inorganic and Bioinspired Research, Edited by: Yoreo JJD, RESEARCH METHODS IN BIOMINERALIZATION SCIENCE, Book Series: METHODS IN ENZYMOLOGY, 532, 95-127, DOI: 10.1016/B978-0-12-416617-2.00005-9,	2	1,984	24,84
	18. Yang, S; Xu, YY; Sun, YQ; Zhang, GY, Gao, DZ, 2012, Size-controlled synthesis, magnetic property, and photocatalytic property of uniform alpha-Fe ₂ O ₃ nanoparticles via a facile additive-free hydrothermal route, CRYSTENGCOMM, 14/23, 7915-7921, DOI: 10.1039/c2ce25929j,	5	3,304	15,216
	19. Mohapatra, M; Behera, D; Layek, S; Anand, S; Verma, HC; Mishra, BK , 2012, Influence of Ca Ions on Surfactant Directed Nucleation and Growth of Nano Structured Iron Oxides and Their Magnetic Properties, CRYSTAL GROWTH & DESIGN, 12/1, 18-28 DOI: 10.1021/cg201124c	6	3,792	14,306
	20. Xu, YY; Yang, S; Zhang, GY; Sun, YQ; Gao, DZ; Sun, YX, 2011, Uniform hematite alpha-Fe ₂ O ₃ nanoparticles: Morphology, size-controlled hydrothermal synthesis and formation mechanism, MATERIALS LETTERS, 65/ 12,1911-1914 DOI: 10.1016/j.matlet.2011.03.085,	6	2,687	10,623
9. Loredana Brinza, Charlotta A. Nygard, Matthew J. Dring, Liane G. Benning, Maria Gavrilescu, (2009), Cadmium tolerance and adsorption by the marine brown alga Fucus vesiculosus from the Irish	21. Pienack, N; Bensch, W, 2011, In-Situ Monitoring of the Formation of Crystalline Solids, ANGEWANDTE CHEMIE-INTERNATIONAL Edition, 50/9, 2014-2034, DOI: 10.1002/anie.201001180,	2	12,102	126,02
	47 citări			
	1. Title: Study of the Bioaccumulation of UO ₂ ²⁺ onto the Green Microalgae Botryococcus braunii Using Response Surface Methodology, Author(s): Celik, F (Celik, Fatih); Aslani, MAA (Aslani, Mahmoud Ali Asker); Can, SS (Can, Safak Seyhaneyildiz) Source: TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES Volume: 19 Issue: 7 Pages: 593-604 DOI: 10.4194/1303-2712-v19_7_06 Published: JUL 2019	3	0,482	6,546
	2. Title: Zn adsorption onto Irish Fucus vesiculosus: Biosorbent uptake capacity and atomistic mechanism insights, Author(s): Brinza, L (Brinza, Loredana); Geraki, K (Geraki, Kalotina);	4	6,434	34,67

Sea and the Bothnian Sea, Bioresource Technology, Vol. 100, No 5, 1727-1733, doi:10.1016/j.biortech.2008.09.041	Breaban, JG (Breaban, Juliana G.); Neamtu, M (Neamtu, Mariana), Source: JOURNAL OF HAZARDOUS MATERIALS Volume: 365 Pages: 252-260 DOI: 10.1016/j.jhazmat.2018.11.009 Published: MAR 5 2019			
	3. Title: Simultaneous removal of trace elements from contaminated waters by living Ulva lactuca, Author(s): Henriques, B (Henriques, Bruno); Teixeira, A (Teixeira, Ana); Figueira, P (Figueira, Paula); Reis, AT (Reis, Ana T.); Almeida, J (Almeida, Joana); Vale, C (Vale, Carlos); Pereira, E (Pereira, Eduarda), Source: SCIENCE OF THE TOTAL ENVIRONMENT Volume: 652 Pages: 880-888 DOI: 10.1016/j.scitotenv.2018.10.282 Published: FEB 20 2019	7	4,61	14,6
	4. Sahu, C., Pandey, P.K., Khan, F., Pandey, M. , 2018, Biosorptive removal of cadmium by tinospora cordifolia (Wild giloy), WATER ENVIRONMENT RESEARCH, 90(6), pp. 554-562	4	0,825	6,625
	5. Title: Removal of Methylene Blue, Malachite Green and Rhodamine B in a Ternary System by Pistachio Hull; Application of Wavelet Neural Network Modeling and Doehlert Design, Author(s): Tabaraki, R (Tabaraki, Reza); Nateghi, A (Nateghi, Ashraf), Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY RESEARCH Volume: 5 Issue: 1 Pages: 143-157 Published: WIN-SPR 2018	2		25
	6. Title: Copper removal by filamentous and yeast-like morphologies of Mucor indicus: surface characterization and biosorption mechanism, Author(s): Behnam, S (Behnam, Sanaz); Karimi, K (Karimi, Keikhosro); Zamani, A (Zamani, Akram); Mehrabani-Zeinabad, A (Mehrabani-Zeinabad, Arjomand), Source: DESALINATION AND WATER TREATMENT Volume: 114 Pages: 221-231 DOI: 10.5004/dwt.2018.22357 Published: MAY 2018	4	1,383	9,415
	7. J. Costa, GB; Simioni, C; Pereira, DT; Ramlov, F; Maraschin, M; Chow, F; Horta, PA; Bouzon, ZL; Schmidt, EC, Costa, Giulia B.; Simioni, Carmen; Pereira, Debora T.; Ramlov, Fernanda; Maraschin, Marcelo; Chow, Fungyi; Horta, Paulo A.; Bouzon, Zenilda L.; Schmidt, Eder C., 2017, The brown seaweed Sargassum cymosum: changes in metabolism and cellular organization after long-term exposure to cadmium, PROTOPLASMA, 254/2, 817-837, IF=2,87	18	2,457	3,285555556
	8. J. Henriques, B; Lopes, CB; Figueira, P; Rocha, LS; Duarte, AC; Vale, C; Pardal, MA; Pereira, E.; Henriques, Bruno; Lopes, Claudia B.; Figueira, Paula; Rocha, Luciana S.; Duarte, Armando C.; Vale, Carlos; Pardal, Miguel A.; Pereira, Eduarda, 2017, Bioaccumulation of Hg, Cd and Pb by Fucus vesiculosus in single and multi-metal contamination scenarios and its effect on growth rate, CHEMOSPHERE, 171, 208-222,	8	4,427	12,3175
	9. B. Hlihor, RM; Apostol, LC; Gavrilescu, M. Anjum, NA; Gill, SS; Tuteja, N. 2017, Environmental Bioremediation by Biosorption and Bioaccumulation: Principles and Applications, 2017, Enhancing Cleanup Of Environmental Pollutants, Vol 1, Biological Approaches	6		8,333
	10. Korenkova, Lucia; Urik, Martin, 2017, Biosorbents, in Book Biomaterials As Adsorbents For Metal(Loid) Water Pollutants - A Review edited by Korenkova, L; Urik, M, Pages: 12-36	2		25

11. Costa, Giulia Burle; Simioni, Carmen; Ramlov, Fernanda; Maraschinb Marcelo; Chowc Fungyi; Bouzona L. Zenilda; Schmidt C. Éder, 2017, Effects of manganese on the physiology and ultrastructure of Sargassum cymosum, ENVIRONMENTAL AND EXPERIMENTAL BOTANY, 133, 24-34 ,	7	3,666	11,902
12. Bhargava, A., 2017, Biosorption (Book Chapter), Biotechnology: Recent Trends and Emerging Dimensions, pp. 1-18	1		50
13. Mangal, V; Zhu, Y; Shi, YX; Gueguen, C, 2016, Assessing cadmium and vanadium accumulation using diffusive gradient in thin-films (DGT) and phytoplankton in the Churchill River estuary, Manitobal, CHEMOSPHERE, 163, 90-98 DOI: 10.1016/j.chemosphere.2016.08.008	4	4,427	24,635
14. Jurelevicius, D., Alvarez, V.M., Seldin, L., 2016, Bioremediation (Book Chapter), Molecular Diversity of Environmental Prokaryotes, pp. 327-339	3		16,666
15. Uslu, H; Datta, D; Azizian, S, 2016, Separation of chromium (VI) from its liquid solution using new montmorillonite supported with amine based solvent, JOURNAL OF MOLECULAR LIQUIDS, 215, 449-453, DOI: 10.1016/j.molliq.2016.01.023.	3	4,513	33,42
16. Dhanik, J., Kumar, S., 2016, Low cost cuscute based adsorbent for removal of iron from its aqueous solution, ASIAN JOURNAL OF CHEMISTRY, 28(9), pp. 2077-2081	2	0,355	8,55
17. Costa, GB; de Felix, MRL; Simioni, C; Ramlov, F; Oliveira, ER; Pereira, DT; Maraschin, M; Chow, FY; Horta, PA; Lalau, CM; da Costa, CH; Matias, WG; Bouzon, ZL; Schmidt, EC, 2016, Effects of copper and lead exposure on the ecophysiology of the brown seaweed Sargassum cymosum, PROTOPLASMA, 253/1,111-125 DOI: 10.1007/s00709-015-0795-4	14	2,457	4,2242
18. Schmidt, EC; Felix, MRD; Polo, LK ; Kreusch, MG ; Pereira, DT; Costa, GB; Simioni, C; Martins, RD; Latini, A; Chow, F; Ramlov, F; Pereira, A; Maraschin, M; Ouriques, LC; Steiner, N; Bouzon, ZL, 2015, Influence of cadmium and salinity in the red alga Pterocladia capillacea: cell morphology, photosynthetic performance and antioxidant systems, BRAZILIAN JOURNAL OF BOTANY, 38/4, 737-749, DOI: 10.1007/s40415-015-0183-5	16	0,779	1,598
19. Zhang, AQ ; Xu, T; Zou, HX; Pang, QY, 2015, Comparative proteomic analysis provides insight into cadmium stress responses in brown algae Sargassum fusiforme, AQUATIC TOXICOLOGY, 163, 1-15, DOI: 10.1016/j.aquatox.2015.03.018,	4	3,884	21,92
20. Hlihor, RM; Diaconu, M; Leon, F ; Curteanu, S; Tavares, T; Gavrilescu, M, 2015, Experimental analysis and mathematical prediction of Cd(II) removal by biosorption using support vector machines and genetic algorithms, NEW BIOTECHNOLOGY, 32/3, 358-368, DOI: 10.1016/j.nbt.2014.08.003	6	3,733	14,11
21. Apostol, LC; Smaranda, C; Diaconu, M; Gavrilescu, M, 2015, Preliminary ecotoxicological evaluation of erythrosin b and its photocatalytic degradation products, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 14/2, 465-471	4	1,334	9,17

22. Keskin, NOS; Celebioglu, A; Sarioglu, OF; Ozkan, AD; Uyar, T; Tekinay, T, 2015, Removal of a reactive dye and hexavalent chromium by a reusable bacteria attached electrospun nanofibrous web, RSC ADVANCES, 5/106, 86867-86874 DOI: 10.1039/	6	2,936	11,453
23. Majid, Noraishah A.; Ramli, Nur Syazila; Phang, Ing Chia, 2015, Pelargonium radula as a plant bioindicator in monitoring mercury in drinking water, JURNAL TEKNOLOGI, 77/ 24, 29-34 ,	3		16,666
24. Hlihor, RM; Bulgariu, L; Sobariu, DL ; Diaconu, M; Tavares, T; Gavrilesu, M, 2014, recent advances in biosorption of heavy metals: support tools for biosorption equilibrium, kinetics and mechanism, REVUE ROUMAINE DE CHIMIE, 59/6-7, 527-538	6	0,37	2,9
25. Cobas, M ; Sanroman, MA; Pazos, M, 2014, Box-Behnken methodology for Cr (VI) and leather dyes removal by an eco-friendly biosorbent: F-vesiculosus, BIORESOURCE TECHNOLOGY, 160, 166-174 DOI: 10.1016/j.biortech.2013.12.125	3	5,807	42,046
26. Jaafarzadeh, N ; Teymouri, P; Babaei, AA; Alavi, N; Ahmadi, M, 2014, Biosorption of Cadmium (II) from Aqueous Solution by NaCl-Treated Ceratophyllum Demersum, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 13/4, 763-773,	5	1,334	7,336
27. San, NO; Celebioglu, A; Tumtas, Y; Uyar, T; Tekinay, T, 2014, Reusable bacteria immobilized electrospun nanofibrous webs for decolorization of methylene blue dye in wastewater treatment, RSC ADVANCES, 4/61, 32249-32255 DOI: 10.1039/c4ra04250f	5	2,936	13,744
28. Hurd, CL; Harrison, PJ; Bischof, K; Lobban, CS, Book Author(s): Hurd, CL; Harrison, PJ; Bischof, K; Lobban, CS, 2014, Seaweed Ecology and Physiology Second Edition Preface, Seaweed Ecology and Physiology, 2nd Edition, DOI: 10.1017/CBO9781139192637,	4		12,50
29. Muthusamy, S; Venkatachalam, S; Jeevamani, PMK; Rajarathinam, N, 2014, Biosorption of Cr(VI) and Zn(II) ions from aqueous solution onto the solid biodiesel waste residue: mechanistic, kinetic and thermodynamic studies, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 21/1, 593-608 DOI: 10.1007/s11356-013-1939-8,	4	2,8	16,5
30. Pavel, VL; Sobariu, DL; Diaconu, M; Statescu, F; Gavrilesu, M, 2013, Effects Of Heavy Metals On Lepidium Sativum Germination And Growth, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 12/4, 727-733,	5	1,334	7,336
31. Ghaedi, M; Hajati, S; Barazesh, B; Karimi, F; Ghezelbash, G, 2013, Saccharomyces cerevisiae for the biosorption of basic dyes from binary component systems and the high order derivative spectrophotometric method for simultaneous analysis of Brilliant green and Methylene blue, JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, 19/1, 227-233 DOI: 10.1016/j.jiec.2012.08.006,	5	4,841	21,364
32. Singanan, M., Peters, E., 2013, Removal of toxic heavy metals from synthetic wastewater using a novel biocarbon technology, JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, 1(4), pp. 884-890	2		25,000

	33. Cankilic, MY; Karabacak, RB; Tay, T; Kivanc, M , 2013, Sorption of lead ions from aqueous solution onto Enterococcus faecium biomass, WATER SCIENCE AND TECHNOLOGY, 68/7, 1550-1555 DOI: 10.2166/wst.2013.398	4	1,247	8,735
	34. Bulgariu, L; Lupea, M; Bulgariu, D; Rusu, C; Macoveanu, M, 2013, Equilibrium Study Of Pb(II) And Cd(II) Biosorption From Aqueous Solution On Marine Green Algae Biomass, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 12/1, 183-190,	5	1,334	7,336
	35. Bulgariu, L; Hlihor, RM; Bulgariu, D; Gavrilescu, M, 2012, Sorptive Removal of Cadmium(II) Ions from Aqueous Solution by Mustard Biomass, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL 11/11, 1969-1976,	4	1,334	9,17
	36. Fertu, DIT; Gavrilescu, M, 2012, Application of natural zeolites as sorbents in the clean-up of aqueous streams, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 11/4, 867-878	2	1,334	18,34
	37. Lupea, M; Bulgariu, L; Macoveanu, M, 2012, Biosorption of Cd(II) from Aqueous Solution on Marine Green Algae Biomass, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 11/3, 607-615,	3	1,334	12,226
	38. Strady, E; Schafer, J; Baudrimont, M; Blanc, G, 2011, Tracing cadmium contamination kinetics and pathways in oysters (Crassostrea gigas) by multiple stable Cd isotope spike experiments, ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, 74/4, 600-606 DOI: 10.1016/j.ecoenv.2010.10.020,	4	3,974	22,37
	39. Jafari, N., Senobari, Z., Pahlavani, M. , 2011, Copper (II) biosorption from aqueous solutions by green algae Cladophora glomerata (L.) Kütz, International Journal on Algae, 13(3), pp. 223-233	3		16,666
	40. Caliman, FA; Robu, BM; Smaranda, C; Pavel, VL; Gavrilescu, M, 2011, Soil and groundwater cleanup: benefits and limits of emerging technologies, CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, 13/2, 241-268 DOI: 10.1007/s10098-010-0319-z,	5	2,343	11,372
	41. Gao, JF; Zhang, Q; Su, K; Wang, JH, 2010, Competitive biosorption of Yellow 2G and Reactive Brilliant Red K-2G onto inactive aerobic granules: Simultaneous determination of two dyes by first-order derivative spectrophotometry and isotherm studies, BIORESOURCE TECHNOLOGY, 101/15, 5793-5801, DOI: 10.1016/j.biortech.2010.02.091	4	5,807	31,535
	42. Li, JT; Duan, HN; Li, SP; Kuang, JL; Zeng, Y; Shu, WS, 2010, Cadmium pollution triggers a positive biodiversity-productivity relationship: evidence from a laboratory microcosm experiment, JOURNAL OF APPLIED ECOLOGY, 47/4, 890-898, DOI: 10.1111/j.1365-2664.2010.01818.x,	6	5,742	20,806
	43. Gavrilescu, M, 2010, Biosorption in Environmental Remediation, Edited by: Fulekar MH, Bioremediation Technology: Recent Advances, 35-99,	1		50
	44. Agunbiade, FO (Agunbiade, Foluso O.); Olu-Owolabi, BI (Olu-Owolabi, Bamidele I.); Adebowale, KO (Adebowale, Kayode O.), 2009, Phytoremediation potential of Eichornia	3	5,807	42,0466666

	crassipes in metal-contaminated coastal water, Bioresource Technology, 100/19, 4521-4526, DOI: 10.1016/j.biortech.2009.04.011,			7
	45. Lucaci, D; Duta, A, 2009, Adsorption of Cu ²⁺ On White Poplar and Oak Sawdust, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 8/4, 871-876	2	1,334	18,34
	46. Apostol, LC; Gavrilescu, M, 2009, Application of Natural Materials as Sorbents for Persistent Organic Pollutants, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 8/2, 243-252	2	1,334	18,34
	47. Hlihor, RM; Gavrilescu, M, 2009, Removal of Some Environmentally Relevant Heavy Metals Using Low-Cost Natural Sorbents, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 8/2, 353-372	2	1,334	18,34
10. Loredana Brinza, Liane G. Benning, Peter J. Statham, (2008), Adsorption studies of Mo and V onto ferrihydrite, Loredana Brinza, Liane G. Benning, Peter J. Statham, (2008), Adsorption studies of Mo and V onto ferrihydrite, Mineralogical Magazine, Vol. 72, No1, 107–110; doi:10.1180/minmag.2008.072.1.385,	30 citări			
	1. Title: Redox chemistry of vanadium in soils and sediments: Interactions with colloidal materials, mobilization, speciation, and relevant environmental implications - A review, Author(s): Shaheen, SM (Shaheen, Sabry M.); Alessi, DS (Alessi, Daniel S.); Tack, FMG (Tack, Filip M. G.); Ok, YS (Ok, Yong Sik); Kim, KH (Kim, Ki-Hyun); Gustafsson, JP (Gustafsson, Jon Petter); Sparks, DL (Sparks, Donald L.); Rinklebe, J (Rinklebe, Joerg), Source: ADVANCES IN COLLOID AND INTERFACE SCIENCE Volume: 265 Pages: 1-13 DOI: 10.1016/j.cis.2019.01.002 Published: MAR 2019	8	7,346	19,615
	2. Title: Vanadium geochemistry in the biogeosphere -speciation, solid-solution interactions, and ecotoxicity, Author(s): Gustafsson, JP (Gustafsson, Jon Petter), Source: APPLIED GEOCHEMISTRY Volume: 102 Pages: 1-25 DOI: 10.1016/j.apgeochem.2018.12.027 Published: MAR 2019	1	3,088	71,760
	3. Title: Removal of critical metals from waste water by zero-valent iron, Author(s): Vollprecht, D (Vollprecht, Daniel); Krois, LM (Krois, Lisa-Marie); Sedlazeck, KP (Sedlazeck, Klaus Philipp); Muller, P (Mueller, Peter); Mischitz, R (Mischitz, Robert); Olbrich, T (Olbrich, Tobias); Pomberger, R (Pomberger, Roland), Source: JOURNAL OF CLEANER PRODUCTION Volume: 208 Pages: 1409-1420 DOI: 10.1016/j.jclepro.2018.10.180 Published: JAN 20 2019	7	5,651	17,574
	4. Title: Competitive adsorption and desorption of arsenate, vanadate, and molybdate onto the low-cost adsorbent materials alum water treatment sludge and bauxite, Author(s): Hua, T (Hua, Tao); Haynes, RJ (Haynes, Richard J.); Zhou, YF (Zhou, Ya-Feng), Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 25 Issue: 34 Special Issue: SI Pages: 34053-34062 DOI: 10.1007/s11356-018-3301-7 Published: DEC 2018	3	2,8	22,000
	5. Title: Potential use of two filter media in constructed wetlands for simultaneous removal of As, V and Mo from alkaline wastewater - Batch adsorption and column studies, Author(s): Hua, T (Hua, T.); Haynes, RJ (Haynes, R. J.); Zhou, YF (Zhou, Y. -F.), Source: JOURNAL	3	4,005	30,033

	OF ENVIRONMENTAL MANAGEMENT Volume: 218 Pages: 190-199 DOI: 10.1016/j.jenvman.2018.04.038 Published: JUL 15 2018			
<u>6.</u>	Wendler, B., Ivashechkin, P., Robeck, B., Weil, G., Kozariszczuk, M., 2018, Selective removal of dissolved heavy metals and fluoride from industrial process waters by means of adsorption (Part 2) [Selektive entfernung von gelösten schwermetallen sowie fluonid aus industriellen prozesswässern mittels adsorption (Teil 2)], Galvanotechnik, 109(6), pp. 1252-1264	5		10
<u>7.</u>	Title: The distribution of dissolved and particulate Mo and V along the US GEOTRACES East Pacific Zonal Transect (GP16): The roles of oxides and biogenic particles in their distributions in the oxygen deficient zone and the hydrothermal plume, Author(s): Ho, P (Ho, Peng); Lee, JM (Lee, Jong-Mi); Heller, MI (Heller, Maija I.); Lam, PJ (Lam, Phoebe J.); Shiller, AM (Shiller, Alan M.), Source: MARINE CHEMISTRY Volume: 201 Pages: 242-255 DOI: 10.1016/j.marchem.2017.12.003 Published: APR 20 2018	3	3,337	25,580
<u>8.</u>	Title: Evaluating Ferrous Chloride for Removal of Chromium From Ion-Exchange Waste Brines, Author(s): Homan, NP (Homan, Nathaniel P.); Green, PG (Green, Peter G.); Young, TM (Young, Thomas M.), Source: JOURNAL AMERICAN WATER WORKS ASSOCIATION Volume: 110 Issue: 4 Special Issue: SI Pages: E43-E54 DOI: 10.5942/jawwa.2018.110.0022 Published: APR 2018	3	0,599	7,327
<u>9.</u>	Title: Molybdenum (Mo) stable isotopic variations as indicators of Mo attenuation in mine waste-rock drainage, Author(s): Skierszkan, EK (Skierszkan, E. K.); Stockwell, JS (Stockwell, J. S.); Dockrey, JW (Dockrey, J. W.); Weis, D (Weis, D.); Beckie, RD (Beckie, R. D.); Mayer, KU (Mayer, K. U.), Source: APPLIED GEOCHEMISTRY Volume: 87 Pages: 71-83 DOI: 10.1016/j.apgeochem.2017.10.008 Published: DEC 2017	6	3,088	11,960
<u>10.</u>	Bolanz, Ralph M.; Grauer, Christoph; Cooper, Rebecca E; Gottlicher, J; Steininger, R; Perry, S; Kusel, K; 2017, Incorporation of molybdenum(VI) in akaganeite (beta-FeOOH) and the microbial reduction of Mo-akaganeite by Shewanella loihica PV-4, CRYSTENGCOMM, 19/41, 6189-6198	7	3,304	10,869
<u>11.</u>	Smedley, Pauline L.; Kinniburgh, David G., 2017, Molybdenum in natural waters: A review of occurrence, distributions and controls: APPLIED GEOCHEMISTRY, 84, 387-432,	2	3,088	35,880
<u>12.</u>	Gao, B ; Gao, L; Zhou, Y ; Xu, DY; Zhao, XJ, 2017, Evaluation of the dynamic mobilization of vanadium in tributary sediments of the Three Gorges Reservoir after water impoundment, JOURNAL OF HYDROLOGY, 551 Special Issue: SI, 92-99,	5	3,727	16,908
<u>13.</u>	Larsson, Maja A.; Hadialhejazi, Golshid; Gustafsson Jon Petter 2017, Vanadium sorption by mineral soils: Development of a predictive model, CHEMOSPHERE , 168, 925-932;	3	4,427	32,847
<u>14.</u>	Larsson, Maja A.; Persson, Ingmar; Sjoestedt, Carin; Gustafsson, Jon Petter., 2017, Vanadate complexation to ferrihydrite: X-ray absorption spectroscopy and CD-MUSIC modelling, ENVIRONMENTAL CHEMISTRY, 14/ 3, 141-150,	4	2,923	17,115

<u>15.</u>	Pieczara, Gabriela; Rzepa, Grzegorz, 2016, The Effect Of Si Content On Ferrihydrite Sorption Capacity For Pb(II), Cu(II), Cr(VI), And P(V), ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 15/9 , 2095-2107	2	1,334	18,340
<u>16.</u>	Breit, George N., 2016, Resource Potential for Commodities in Addition to Uranium in Sandstone-Hosted Deposits, in RARE EARTH AND CRITICAL ELEMENTS IN ORE DEPOSITS, Edited by: Verplanck, PL; Hitzman, MW, Book Series: Reviews in Economic Geology, 18, 323-337,	1		50
<u>17.</u>	Neveu, M; Poret-Peterson, AT; Anbar, AD; Elser, JJ, 2016, Ordinary stoichiometry of extraordinary microorganisms, GEOBIOLOGY, 14/1, 33-53 DOI: 10.1111/gbi.12153,	4	4,158	23,290
<u>18.</u>	Huang, J; Huang, F; Evans, L; Glasauer, S, 2015, Vanadium: Global (bio)geochemistry, CHEMICAL GEOLOGY, 417,: 68-89, DOI: 10.1016/j.chemgeo.2015.09.019,	4	3,57	20,350
<u>19.</u>	Veeramani, H; Eagling, J ; Jamieson-Hanes, JH; Kong, LY; Ptacek, CJ; Blowes, DW, 2015, Zinc Isotope Fractionation as an Indicator of Geochemical Attenuation Processes, ENVIRONMENTAL SCIENCE & TECHNOLOGY LETTERS, 2/11, 314-319 DOI: 10.1021/acs.estlett.5b00273	6	5,869	21,230
<u>20.</u>	Brinza, L; Vu, HP; Shaw, S; Mosselmans, JFW; Benning, LG, 2015, Effect of Mo and V on the Hydrothermal Crystallization of Hematite from Ferrihydrite: An in Situ Energy Dispersive X-ray Diffraction and X-ray Absorption Spectroscopy Study, CRYSTAL GROWTH & DESIGN, 15/10, 4768-4780, DOI: 10.1021/acs.cgd.5b00173	4	3,972	22,360
<u>21.</u>	Hu, YD; Neil, C; Lee, B; Jun, YS, 2013, Control of Heterogeneous Fe(III) (Hydr)oxide Nucleation and Growth by Interfacial Energies and Local Saturations, ENVIRONMENTAL SCIENCE & TECHNOLOGY, 47/16, 9198-9206, DOI: 10.1021/es401160g	4	6,653	35,765
<u>22.</u>	Jacobson, KH; Kuech, TR; Pedersen, JA, 2013, Attachment of Pathogenic Prion Protein to Model Oxide Surfaces, ENVIRONMENTAL SCIENCE & TECHNOLOGY, 47/13, 6925-6934, DOI: 10.1021/es3045899	3	6,653	47,687
<u>23.</u>	Rout, K; Mohapatra, M; Anand, S, 2012, 2-Line ferrihydrite: synthesis, characterization and its adsorption behaviour for removal of Pb(II), Cd(II), Cu(II) and Zn(II) from aqueous solutions, DALTON TRANSACTIONS, 41/11, 3302-3312, DOI: 10.1039/c2dt11651k	3	4,099	30,660
<u>24.</u>	Kashiwabara, T; Takahashi, Y; Tanimizu, M; Usui, A, 2011, Molecular-scale mechanisms of distribution and isotopic fractionation of molybdenum between seawater and ferromanganese oxides, GEOCHIMICA ET COSMOCHIMICA ACTA, 75/19, 5762-5784, DOI: 10.1016/j.gca.2011.07.022	4	4,69	25,950
<u>25.</u>	Moller, T; Bagchi, D; Sylvester, P, 2011, Field pilot evaluations of iron oxide-based arsenic adsorption media, JOURNAL AMERICAN WATER WORKS ASSOCIATION, 103/1, 93,	3	0,599	7,327
<u>26.</u>	Österlund, H., Email Author, Chlot, S., Faarinen, M., Widerlund, A., Rodushkin, I., Ingri, J., Baxter, D.C. 2010, Simultaneous measurements of As, Mo, Sb, V and W using a ferrihydrite diffusive gradients in thin films (DGT) device, Analytica Chimica Acta, 682(1-2), pp. 59-65	7	5,123	16,065

	<u>27.</u> Zhou, Y.-F., XIE, Y., Zhou, L.-X., 2010, Formation and environmental implications of iron-enriched precipitates derived from natural neutralization of acid mine drainage, ENVIRONMENTAL SCIENCE, 31(6), pp. 1581-1588	3		16,66
	<u>28.</u> Noubactep, C; Care, S, 2010, Dimensioning metallic iron beds for efficient contaminant removal, CHEMICAL ENGINEERING JOURNAL, 163/3, 454-460, DOI: 10.1016/j.cej.2010.07.051,	2	6,735	72,350
	<u>29.</u> Noubactep, C; Schoner, A, 2010, Metallic Iron: Dawn of A New Era Of Drinking Water Treatment Research?, FRESENIUS ENVIRONMENTAL BULLETIN, 19/8A, 1661-1668,	2	0,673	11,730
	<u>30.</u> Gerke, TL; Scheckel, KG; Schock, MR, 2009, Identification and Distribution of Vanadinite (Pb-5(V5+O4)(3)Cl in Lead Pipe Corrosion By-Products, ENVIRONMENTAL SCIENCE & TECHNOLOGY, 43/2 4412-4418, DOI: 10.1021/es900501t,	3	6,653	47,687
11. Loredana Brinza, Matthew J. Dring, Maria Gavrilescu, (2007), Marine micro and macro algal species as biosorbents for heavy metals treatment - review, Environmental Engineering and Management Journal, Vol. 6, No. 3, 237-251,	63 citări			
	1. Salama, E.-S.; Roh, H.-S; Dev, S., Khan, M.Ad, Abou-Shana, R.A.I., Chang, S.W., Jeon, B.-H. 2019, Algae as a green technology for heavy metals removal from various wastewater, WORLD JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY, 35(5),75	7	2,1	7,428
	2. Zhang, X.-M., Bi, S.-J., Su, H., Guo, R., Liu, H.-Y., 2019, Adsorption characteristics of Sargassum fusiforme on cadmium ion in water environment, Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals, 29(1), pp. 211-221	5		10
	3. Title: Zn adsorption onto Irish Fucus vesiculosus: Biosorbent uptake capacity and atomistic mechanism insights, Author(s): Brinza, L (Brinza, Loredana); Geraki, K (Geraki, Kalotina); Breaban, JG (Breaban, Juliana G.); Neamtu, M (Neamtu, Mariana), Source: JOURNAL OF HAZARDOUS MATERIALS Volume: 365 Pages: 252-260 DOI: 10.1016/j.jhazmat.2018.11.009 Published: MAR 5 2019	4	6,434	34,670
	4. Title: Comparative studies on growth and Pb(II) removal from aqueous solution by Nostoc muscorum and Anabaena variabilis, Author(s): Abd El-Hameed, MM (Abd El-Hameed, Mona M.); Abuarab, ME (Abuarab, Mohamed E.); Mottaleb, SA (Mottaleb, Shady Abdel); El-Bahbohy, RM (El-Bahbohy, Reham M.); Bakeer, GA (Bakeer, Gomaa A.), Source: ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 165 Pages: 637-644 DOI: 10.1016/j.ecoenv.2018.08.103 Published: DEC 15 2018	5	3,974	17,896
	5. Title: BIOSORPTION OF CU (II) BY SCENEDESMUS OBLIQUUS: OPTIMIZATION IN PHOVASOLI HAEMOTOCOCCUS MEDIUM, Author(s): Rinanti, A (Rinanti, Astri); Fachrul, MF (Fachrul, Melati Ferianita); Hadisoebroto, R (Hadisoebroto, Rositayanti); Silalahi, MDS (Silalahi, Mawar D. S.), Source: INTERNATIONAL JOURNAL OF GEOMATE Volume: 15 Issue: 52 Pages: 45-52 DOI: 10.21660/2018.52.24521 Published: DEC 2018	4		12,50
	6. Title: Biokinetics of arsenate accumulation and release in Microcystis aeruginosa regulated by common environmental factors: Practical implications for enhanced bioremediation, Author(s): Wang, ZH (Wang, Zhenhong); Luo, ZX (Luo, Zhuangxi); Yan, CZ (Yan,	6	5,651	20,503

	Changzhou); Rosenfeldt, RR (Rosenfeldt, Ricki R.); Seitz, F (Seitz, Frank); Gui, HR (Gui, Herong), Source: JOURNAL OF CLEANER PRODUCTION Volume: 199 Pages: 112-120 DOI: 10.1016/j.jclepro.2018.07.131 Published: OCT 20 2018			
	7. Title: Utilization of Non-Living Microalgae Biomass from Two Different Strains for the Adsorptive Removal of Diclofenac from Water, Author(s): Coimbra, RN (Coimbra, Ricardo N.); Escapa, C (Escapa, Carla); Vazquez, NC (Vazquez, Nadyr C.); Noriega-Hevia, G (Noriega-Hevia, Guillermo); Otero, M (Otero, Marta), Source: WATER Volume: 10 Issue: 10 Article Number: 1401 DOI: 10.3390/w10101401 Published: OCT 2018	5	2,069	10,276
	8. Title: Microalgae: a potential tool for remediating aquatic environments from toxic metals, Author(s): Mantzourou, A (Mantzourou, A.); Navakoudis, E (Navakoudis, E.); Paschalidis, K (Paschalidis, K.); Ververidis, F (Ververidis, F.), Source: INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY Volume: 15 Issue: 8 Pages: 1815-1830 DOI: 10.1007/s13762-018-1783-y Published: AUG 2018	4	2,037	12,685
	9. Title: Biodiesel production from algae grown on food industry wastewater, Author(s): Mureed, K (Mureed, Khadija); Kanwal, S (Kanwal, Shamsa); Hussain, A (Hussain, Azhar); Noureen, S (Noureen, Shamaila); Hussain, S (Hussain, Sabir); Ahmad, S (Ahmad, Shakeel); Ahmad, M (Ahmad, Maqshoof); Waqas, R (Waqas, Rashid), Source: ENVIRONMENTAL MONITORING AND ASSESSMENT Volume: 190 Issue: 5 Article Number: 271 DOI: 10.1007/s10661-018-6641-3 Published: MAY 2018	8	1,804	5,760
	10. Title: Adsorption, kinetic and thermodynamic studies for the biosorption of cadmium onto microalgae Parachlorella sp., Author(s): Dirbaz, M (Dirbaz, Mahboobeh); Roosta, A (Roosta, Aliakbar), Source: JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING Volume: 6 Issue: 2 Pages: 2302-2309 DOI: 10.1016/j.jece.2018.03.039 Published: APR 2018	2		25
	11. Title: Bioremediation by Microalgae: Current and Emerging Trends for Effluents Treatments for Value Addition of Waste Streams, Author(s): Ummalyma, SB (Ummalyma, Sabeela Beevi); Pandey, A (Pandey, Ashok); Sukumaran, RK (Sukumaran, Rajeev K.); Sahoo, D (Sahoo, Dinabandhu), Edited by: Varjani SJ; Parameswaran B; Kumar S; Khare SK, Source: BIOSYNTHETIC TECHNOLOGY AND ENVIRONMENTAL CHALLENGES Book Series: Energy Environment and Sustainability Pages: 355-375 DOI: 10.1007/978-981-10-7434-9_19 Published: 2018	4		12,50
	12. Title: Effects of pH on the growth rate exhibited of the wild-type and Cd-resistant Dictyosphaerium chlorelloides strains, Author(s): Cortes, AA (Cortes, Alondra A.); Sanchez-Fortun, S (Sanchez-Fortun, Sebastian); Garcia, M (Garcia, Martha); Bartolome, MC (Carmen Bartolome, Ma), Source: LIMNETICA Volume: 37 Issue: 2 Pages: 229-238 DOI: 10.23818/limn.37.19 Published: 2018	4	0,736	6,180
	13. Title: Metabolism and removal of anthracene and lead by a B. subtilis-produced biosurfactant, Author(s): Salamat, N (Salamat, Negin); Lamoochi, R (Lamoochi, Razieh); Shahaliyan, F (Shahaliyan, Fatemeh), Source: TOXICOLOGY REPORTS Volume: 5 Pages:	3		16,666

	1120-1123 DOI: 10.1016/j.toxrep.2018.11.004 Published: 2018			
	14. Hassan, Z.U., Ali, S., Rizwan, M., Ibrahim, M.; Nafees, M., Waseem, M., Role of bioremediation agents (bacteria, fungi, and algae) in alleviating heavy metal toxicity (Book Chapter), Probiotics in Agroecosystem, pp. 517-537	6		8,333
	15. Podder, M. S.; Majumder, C. B. , 2017, Prediction of phycoremediation of As(III) and As(V) from synthetic wastewater by Chlorella pyrenoidosa using artificial neural network, APPLIED WATER SCIENCE, 7/7, 3949-3971	2		25
	16. Zarate, A; Florez, J; Angulo, E; Varela-Prieto, L; Infante, C; Barrios, F; Barraza, B; Gallardo, DI; Valdes, J; Zarate, Ana; Florez, July; Angulo, Edgardo; Varela-Prieto, Lourdes; Infante, Cherlys; Barrios, Fredy; Barraza, Beatriz; Gallardo, D. I.; Valdes, Jorge; 2017, Burkholderia tropica as a Potential Microalgal Growth-Promoting Bacterium in the Biosorption of Mercury from Aqueous Solutions, JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY, 27/6, 1138-1149	18	1,65	2,389
	17. Awalina, Harimawan, A., Haryani, G.S., Setiadi, T., "2017, Equilibrium and kinetic modelling of cadmium (II) biosorption by Dried Biomass Aphanothece sp. from aqueous phase, IOP Conference Series: Earth and Environmental Science, 65(1),012018	3		16,666
	18. Mitra, A., Chatterjee, S., Gupta, D.K., 2017, Uptake, transport, and remediation of arsenic by algae and higher plants (Book Chapter), Arsenic Contamination in the Environment: The Issues and Solutions, pp. 145-169	3		16,666
	19. Zhang J., ML; Wang, HX; McDonald, LM; Hu, ZQ; Zhang, Mingliang; Wang, Haixia; McDonald, Louis M.; Hu, Zhenqi, 2017, Competitive Biosorption Of Pb(II), Cu(II), Cd(II) And Zn(II) Using Composted Livestock Waste In Batch And Column Experiments, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL,	8	1,334	4,585
	20. Hlihor RM; Apostol LC; Gavrilescu, M; 2017, Environmental Bioremediation by Biosorption and Bioaccumulation: Principles and Applications, in Enhancing Cleanup Of Environmental Pollutants, Edited by Anjum, NA; Gill, SS; Tuteja, N; Hlihor, Raluca-Maria; Apostol, Laura-Carmen; Gavrilescu, Maria, Vol 1: BIOLOGICAL APPROACHES, 289-315	3		16,666
	21. Korenkova, L; Urik, M; 2017, Biosorbents in Biomaterials As Adsorbents For Metal(Loid) Water Pollutants - A Review; Edited by Korenkova, Lucia; Urik, Martin, Korenkova, L; Urik, M, 12-36	2		25
	22. Majumdar, Dipanwita, 2017, Detoxification of Heavy Metal Ion-Contaminated Drinking Water by Green Technology - A Short Overview, CURRENT GREEN CHEMISTRY, 4/1, 38-44	1		50
	23. Al-Qodah, Z; Al-Shannag, M; Amro, A; Assirey, E; Bob, M; Bani-Melhem, K; Alkasrawi, M, 2017, Impact of surface modification of green algal biomass by phosphorylation on the removal of copper(II) ions from water, TURKISH JOURNAL OF CHEMISTRY,	7	1,377	5,363
	24. Nithya, R., Vinodhini, P.A., Sudha, P.N., Vinoth, J., 2017, Biocomposites and polymer blends for wastewater treatment (Book Chapter), Industrial Applications of Marine	4		12,50

	Biopolymers, pp. 473-500			
	25. Chabukdhara, M., Gupta, S.K., Gogoi, M., 2017, Phycoremediation of heavy metals coupled with generation of bioenergy (Book Chapter) Algal Biofuels: Recent Advances and Future Prospects, pp. 163-188	3		16,666
	26. Ong, S.-T., Ha, S.-T., Keng, P.-S., Lee, S.-L., Hung, Y.-T., 2017, Removal of heavy metals by low-cost adsorption materials (Book Chapter), Handbook of Advanced Industrial and Hazardous Wastes Management, pp. 127-183	5		10
	27. Ong, S.-T., Ha, S.-T., Keng, P.-S., Lee, S.-L., Hung, Y.-T., 2016, Removal of heavy metals by low-cost adsorption materials (Book Chapter) , Remediation of Heavy Metals in the Environment, pp. 127-183	5		10
	28. Badr, S.A., Ashmawy, A.A., El-Sherif, I.Y., Moghazy, R.M., 2016, Non-conventional low-cost biosorbents for adsorption and desorption of heavy metals, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 7(4), pp. 3110-3122	4		12,5
	29. Zinicovscaia, I; Cepoi, L; Chiriac, T; Culicov, OA; Frontasyeva, M; Pavlov, S; Kirkesali, E; Akshintsev, A; Rodlovskaya, E , 2016, Spirulina platensis as biosorbent of chromium and nickel from industrial effluents, DESALINATION AND WATER TREATMENT , 57/24, 11103-11110 DOI: 10.1080/19443994.2015.1042061,	8	1,383	4,708
	30. Xi, Y., Chong, M., Dong, J., Zhu, O., Yang, H., Da, W., 2016, Effects of different concentrations of glucose on some physiological characteristics of Chlorella vulgaris under lead stress, CHINESE JOURNAL OF ENVIRONMENTAL ENGINEERING, 10(5), pp. 2742-2746	6		8,333
	31. Kaliamurthi, Satyavani; Selvaraj, Gurudeeban; Cakmak, Zeynep -Elibol; Cakmak, Turgay, 2016, Production and characterization of spherical thermostable silver nanoparticles from Spirulina platensis (Cyanophyceae), PHYCOLOGIA, 55/5, 568-576,	4	1,798	11,490
	32. Sundaramoorthy, B; Thiagarajan, K; Mohan, S; Mohan, S; Rao, PR; Ramamoorthy, S; Chandrasekaran, R, 2016, Biomass characterisation and phylogenetic analysis of microalgae isolated from estuaries: Role in phycoremediation of tannery effluent, ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS, 14, 92-99 DOI: 10.1016/j.algal.2015.12.016,	7	3,745	12,129
	33. Slaba, Mirosława; Hryniewicz, Katarzyna; Gadd, Geoffrey M., 2016, Heavy Metal Removal by Microbial Cells, in MICROBIAL BIODEGRADATION: FROM OMICS TO FUNCTION AND APPLICATION Edited by: Długonski, J, 197-218	3		16,666
	34. Kearns, J; Turner, A, 2016, An evaluation of the toxicity and bioaccumulation of bismuth in the coastal environment using three species of macroalga, ENVIRONMENTAL POLLUTION, 208, 435-441, DOI: 10.1016/j.envpol.2015.10.011,	2	4,358	48,580
	35. Wang, Y; Wang, S; Xu, PP; Liu, C; Liu, MS; Wang, YL; Wang, CH; Zhang, CH; Ge, Y, 2015, Review of arsenic speciation, toxicity and metabolism in microalgae, REVIEWS IN ENVIRONMENTAL SCIENCE AND BIO-TECHNOLOGY, 14/3, 427-451, DOI:	9	5,716	13,813

	10.1007/s11157-015-9371-9			
	36. Bacsı, I; Novak, Z; Janoszy, M; B-Beres, V; Grigorszky, I; Nagy, SA, 2015, The sensitivity of two Monoraphidium species to zinc: their possible future role in bioremediation, INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 12/8, 2455-2466, DOI: 10.1007/s13762-014-0647-3,	6	2,037	8,457
	37. Narasimhulu, K., Pydi Setty, Y., 2015, Optimization studies on biosorption of Ni(ii) and Cd(ii) from wastewater in a packed bed bioreactor (Book Chapter), Handbook of Research on Uncovering New Methods for Ecosystem Management Through Bioremediation, pp. 367-398	2		25
	38. Thakur, Yashika; Kumar, Mohit; Singh, Sanjeev, 2015, Microbial Biosorption as a Green Technology for Bioremediation of Heavy Metals, RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES Volume: 6 Issue: 3 Pages: 1717-1724 Published: MAY-JUN 2015	3		16,666
	39. Kumar, KS; Dahms, HU; Won, EJ; Lee, JS; Shin, KH, 2015, Microalgae - A promising tool for heavy metal remediation, ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, 113, 329-352 DOI: 10.1016/j.ecoenv.2014.12.019,	5	3,974	17,896
	40. Chaidir, Z., Jesica, S., Zein, R., Munaf, E., 2015, Biosorption of cadmium (II) ion from aqueous solution using living cell and non-living cell microalga Scenedesmus Dimorphus, RESEARCH JOURNAL OF PHARMACEUTICAL, BIOLOGICAL AND CHEMICAL SCIENCES, 6(2), pp. 1972-1780	4		12,5
	41. Kutner, A.; Nesbitt, 2015, V. ALGAL BIOSORPTION - IS IT A VIABLE ALTERNATIVE IN TREATMENT OF RADIOACTIVELY CONTAMINATED EFFLUENTS?, Edited by: Warwick, P, Conference: 12th International Symposium on Nuclear and Environmental Radiochemical Analysis (ERA) Location: Bath, ENGLAND Date: SEP 17-19, 2014, Sponsor(s): AWE; Natl Nucl Lab; RWM, ENVIRONMENTAL RADIOCHEMICAL ANALYSIS V Book Series: Royal Society of Chemistry Special Publications Issue: 351, 122-133,	2		25
	42. Hasani, E; Farnam, M; Asl, SMH; Katal, R; Rastegar, SO, 2015, Batch And Column Removal Of Chromium (Vi) From Aqueous Solution Using Polypyrrole, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 14/1, 17-28	5	1,334	7,336
	43. Hlihor, R.M., Bulgariu, L., Sobariu, D.L., (...), Tavares, T., Gavrilescu, M., 2014, Recent advances in biosorption of heavy metals: Support tools for biosorption equilibrium, kinetics and mechanism, Revue Roumaine de Chimie, 59(6-7), pp. 527-538	6	0,370	2,9
	44. Akbarzadeh, N., Shariati, M., 2014, Aluminum remediation from medium by Dunaliella, Ecological Engineering, 67, pp. 76-79	2	3,023	35,23
	45. Panahi, R., Ebrahimi, M., 2014, Heavy metal remediation by dead plants and algae (Book Chapter), Heavy Metal Remediation: Transport and Accumulation in Plants, pp. 219-234	2		25
	46. Zahra, Naseem; Butt, Yasha Nazir; Alim-Un-Nisa, 2015, Biological and Physiochemical Techniques for the Removal of Zinc from Drinking Water: A Review, PAKISTAN JOURNAL	3		16,666

	OF ANALYTICAL & ENVIRONMENTAL CHEMISTRY Volume: 16 Issue: 2 Pages: 1-10 Published: 2015			
	47. Abdolahpur M F(Monikh, Faze Abdolahpur); Karami, O (Karami, Omid); Hosseini, M (Hosseini, Mehdi); Karami, N (Karami, Naser); Bastami, AA (Bastami, Afshin Abdi); Ghasemi, AF (Ghasemi, Amir Faraz), 2013, The effect of primary producers of experimental aquatic food chains on mercury and PCB153 biomagnification, ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, 94, 112-115 DOI: 10.1016/j.ecoenv.2013.05.013	6	3,974	14,913
	48. Keng, Pei-Sin; Lee, Siew-Ling; Ha, Sie-Tiong; Hung Yung-Tse; Ong, Siew-Teng, 2013, Cheap Materials to Clean Heavy Metal Polluted Waters, GREEN MATERIALS FOR ENERGY, PRODUCTS AND DEPOLLUTION Book Series: Environmental Chemistry for a Sustainable World Volume: 3 Pages: 335-414 Published: 2013	5		10
	49. Sharma, R. K.; Adholeya, Alok; Das, Manab; et al., 2013, Green Materials for Sustainable Remediation of Metals in Water, GREEN MATERIALS FOR SUSTAINABLE WATER REMEDIATION AND TREATMENT Book Series: RSC Green Chemistry Series Issue: 23 Pages: 11-29 Published: 2013	4		12,5
	50. Bulgariu, L; Lupea, M; Bulgariu, D; Rusu, C; Macoveanu, M 2013, equilibrium study of Pb(II) and Cd(II) biosorption from aqueous solution on marine green algae biomass, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 12/1, 183-190	5	1,334	7,336
	51. Lin, H.-S., Huang, W., Qiu, Y., 2013, Biosorption of heavy metal wastewater by moulds, MODERN FOOD SCIENCE AND TECHNOLOGY, 29(6), pp. 1447-1454	3		16,666
	52. Sun, J., Ji, Y., Cai, F., Li, J., 2012, Heavy metal removal through biosorptive pathways (Book Chapter), Advances in Water Treatment and Pollution Prevention, 9789400742048, pp. 95-145	4		12,5
	53. Fertu, DIT; Gavrilescu, M, 2012, Application of Natural Zeolites as Sorbents in the Clean-up of Aqueous Streams, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 11/4, 867-878,	2	1,334	18,340
	54. González, F., Romera, E., Ballester, A., Blázquez, M.L., Muñoz, J.Á., García-Balboa, C., 2011, Algal biosorption and biosorbents (Book Chapter), Microbial Biosorption of Metals, pp. 159-178	6		8,333
	55. Pena-Salamanca, EJ; Rengifo-Gallego, AL; Benitez-Campo, N, 2012, Detoxification Mechanisms of Heavy Metals by Algal-Bacteria Consortia, in Handbook of Marine Macroalgae: Biotechnology and Applied Phycology, Edited by Kim, 441-450, IF=NA	3		16,660
	56. Karaduman, AB; Yamac, M; Pat, Z; Amoroso, MJ; Cuozzo, SA, 2011, lead (II) biosorption by a metal tolerant streptomyces strain, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL,10/11, 1761-17712	5	1,334	7,336

	57. Pilli, S.R., Goud, V.V., Mohanty, K., 2010, Biosorption of cr(vi) from aqueous solutions onto hydrilla verticillata weed: Equilibrium, kinetics and thermodynamic studies, Environmental Engineering and Management Journal, 9(12), pp. 1715-1726	3	1,334	12,227
	58. Wang, J., Chen, C., 2010, Research advances in heavy metal removal by biosorption. Huanjing Kexue Xuebao/Acta Scientiae Circumstantiae, 30(4), pp. 673-701	2		25
	59. Lucaci, D; Duta, A, 2009, Adsorption of Cu ²⁺ on white poplar and oak sawdust, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 8/4, 871-876,	2	1,334	18,340
	60. Wang, JL; Chen, C, 2009, Biosorbents for heavy metals removal and their future, BIOTECHNOLOGY ADVANCES, 27/ 2, 195-226, DOI: 10.1016/j.biotechadv.2008.11.002,	2	11,452	119,520
	61. Hlihor, RM; Gavrilescu, M, 2009, Removal of Some Environmentally Relevant Heavy Metals Using Low-Cost Natural Sorbents, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 8/2, 353-372,	2	1,334	18,340
	62. Chen, C; Wang, JL, 2009, Biosorbents, in Fundamentals and Applications of Biosorption Isotherms, Kinetics and Thermodynamics, Edited by: Liu Y; Wang J, Book Series: Environmental Science Engineering and Technology, 29-80, IF=	2		25
	63. Wang, JL, Chen, C; 2009, Factors influencing biosorption process in Fundamentals and Applications of Biosorption Isotherms, Kinetics and Thermodynamics, Edited by: Liu Y; Wang J, Book Series: Environmental Science Engineering and Technology, 213-229, IF=	2		25
12. Simona Pintilie, Loredana Brinza, Camelia Betianu, Lucian Vasile Pavel, Florina Ungureanu, Maria Gavrilescu, (2007), Modelling and simulation of heavy metals transport in water and sediments, <i>Environmental Engineering and Management Journal</i>, Vol. 6, No. 2, 153-161	15 citări			
	1. Title: AN OVERVIEW ON THE DEVELOPMENT AND PROGRESS OF WATER SUPPLY AND WASTEWATER TREATMENT IN ROMANIA, Author(s): Strungaru, SA (Strungaru, Stefan-Adrian); Nicoara, M (Nicoara, Mircea); Jitar, O (Jitar, Oana); Moglan, I (Moglan, Ioan); Plavan, G (Plavan, Gabriel), Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 18 Issue: 2 Pages: 407-416 Published: FEB 2019	5	1,334	7,336
	2. Title: Evaluation of Health Risks Due to Heavy Metals in a Rural Population Exposed to Atoyac River Pollution in Puebla, Mexico, Author(s): Castresana, GP (Perez Castresana, Gabriela); Roldan, EC (Castaneda Roldan, Elsa); Suastegui, WAG (Garcia Suastegui, Wendy A.); Perales, JLM (Moran Perales, Jose L.); Montalvo, AC (Cruz Montalvo, Abel); Silva, AH (Handal Silva, Anabella), Source: WATER Volume: 11 Issue: 2 Article Number: 277 DOI: 10.3390/w11020277 Published: FEB 2019	6	2,069	8,563
	3. Title: Health Risk Associated with Some Trace and Some Heavy Metals Content of Harvested Rainwater in Yatta Area, Palestine, Author(s): Al-Khatib, IA (Al-Khatib, Issam A.); Arafah, GA (Arafah, Ghadeer A.); Al-Qutob, M (Al-Qutob, Mutaz); Jodeh, S (Jodeh, Shehdeh); Hasan, AR (Hasan, A. Rasem); Jodeh, D (Jodeh, Diana); van der Valk, M (van der Valk, Michael), Source: WATER Volume: 11 Issue: 2 Article Number: 238 DOI: 10.3390/w11020238 Published: FEB 2019	7	2,069	7,340

4.	Mitchell, D.E., Wayne Forsythe, K., Marvin, C.H., Burniston, D.A., 2019, Temporal trends and origins of Lake Erie cadmium contamination in relation to sediment substrate type using multivariate kriging analyses, INTERNATIONAL JOURNAL OF GEOSPATIAL AND ENVIRONMENTAL RESEARCH, 6(1)	4		12,50
5.	Kuriata-Potasznik, A (Kuriata-Potasznik, Angela) ; Szymczyk, S (Szymczyk, Sławomir); Skwierawski, A (Skwierawski, Andrzej) ; Glinska-Lewczuk, K (Glinska-Lewczuk, Katarzyna); Cymes, I (Cymes, Ireneusz), 2016, Heavy Metal Contamination in the Surface Layer of Bottom Sediments in a Flow-Through Lake: A Case Study of Lake Symsar in Northern Poland, WATER, 8/8,	5	2,069	10,276
6.	Preda, C; Vasiliu, I; Bredetean, O; Gabriela, CD; Ungureanu, MC; Leustean, EL; Grigorovici, A; Oprisa, C; Vulpoi, C, 2016, Selenium in the environment: essential or toxic to human health?, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 15/4, 913-921,	9	1,334	4,076
7.	Cartacuzencu, S; Coman, A; Rosu, G; Tincu, R; Lazar, G, 2016, Analysis of hydric erosion produced by the Siret river, Romania during 1989-2008, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 15/3, 537-544	5	1,334	7,336
8.	Sabullah, MK; Sulaiman, MR; Shukor, MS; Yusof, MT; Johari, WLW; Shukor, MY; Syahir, A, 2015, Heavy metals biomonitoring via inhibitive assay of acetylcholinesterase from Periophthalmodon schlosseri, RENDICONTI LINCEI-SCIENZE FISICHE E NATURALI, 26/2, 151-158, DOI: 10.1007/s12210-014-0359-0	7	0,986	4,246
9.	Berkun, M; Aras, E; Akdemir, UO, 2015, Water Runoff, Sediment Transport and Related Impacts in the Southeastern Black Sea Rivers, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 14/4, 781-792	3	1,334	12,227
10.	Faci, ME; Lazar, I; Ifrim, I; Ureche, C; Lazar, G, 2014, Exploratory spatial data analysis of heavy metals concentration in two sampling sites on Siret river, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 13/9, 2179-2186	5	1,334	7,336
11.	Cartacuzencu, S; Lazar, I; Nedeff, V; Lazar, G, 2014 Technical Solution to Reduce Soil Erosion Produced by Tazlau River In Tarata Perimeter, Romania, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 13/8, 1971-1978	4	1,334	9,170
12.	Tevi, G; Scradeanu, D; Tevi, A; Grigore, F, 2010, Shallow aquifer pollution with heavy metals and aluminium in neferal area. ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 9/11, 1481-1486	4	1,334	9,170
13.	Pavel, VL; Bulgariu, D; Bulgariu, L; Hlihor, RM; Gavrilescu, M, 2009, Studies on sorption and transport processes of cadmium in soils, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 8/6, 1315-1320	5	1,334	7,336
14.	Gavrilescu, M, 2009, Emerging processes for soil and groundwater cleanup - potential benefits and risks, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 8/5, 1293-1307	1	1,334	36,680

	15. Hlihor, RM; Gavrilesu, M, 2009, Removal of some environmentally relevant heavy metals using low-cost natural sorbents, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 8/2, 353-372	2	1,334	18,340
13. Loredana Brinza, Matthew J. Dring, Maria Gavrilesu, (2005), Biosorption of Cu (2+) ions from aqueous solution by- <i>Enteromorpha sp</i>, <i>Environmental Engineering and Management Journal</i>, Vol.4, No.1, 41-51	10 citări			
	1. Kuriata-Potasznik, A., Szymczyk, S., Skwierawski, A., Glińska-Lewczuk, K., Cymes, I., 2016, Heavy metal contamination in the surface layer of bottom sediments in a flow-through lake: A case study of Lake Symsar in Northern Poland, Water (Switzerland), 8(8),358	5	2,069	10,276
	2. Ayşe Betül Karaduman, Mustafa Yamaç, Zerrin Pat, Maria Julia Amoroso, Sergio Antonio Cuozzo, 2011, Lead (II) biosorption by a metal tolerant streptomyces strain, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Vol.10,1761-1771,	5	1,334	7,336
	3. Florentina Anca Caliman, Brindusa Mihaela Robu, Camelia Smaranda, Vasile Lucian Pavel, Maria Gavrilesu , 2011, Soil and groundwater cleanup: benefits and limits of emerging technologies, CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, 13/2, 241-268:	5	2,343	11,372
	4. M Gavrilesu, 2010, Environmental biotechnology: achievements, opportunities and challenges, Dynamic Biochemistry, PROCESS BIOTECHNOLOGY AND MOLECULAR BIOLOGY	1		50
	5. M Gavrilesu, LV Pavel, I Cretescu, 2009, Characterization and remediation of soils contaminated with uranium, JOURNAL OF HAZARDOUS MATERIALS,135(2-3), 475-510,	3	6,434	46,227
	6. M Gavrilesu, 2009, Behaviour of persistent pollutants and risks associated with their presence in the environment–integrated studies, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL,	1	1,334	36,680
	7. Hlihor, RM; Gavrilesu, M, 2009, Removal of some environmentally relevant heavy metals using low-cost natural sorbents, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 8/2, 353-372	2	1,334	18,340
	8. Simona Pintilie, Loredana Brinză, Camelia Bețianu, Lucian Vasile Pavel, Florina Ungureanu, Maria Gavrilesu, 2007, Modelling and simulation of heavy metals transport in water and sediments, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Vol. 6, No. 2, 153-161,	6	1,334	6,113
	9. A Kicsi, C Cojocar, M Macoveanu, Doina Balba, 2006, Optimization of batch process variables using response surface methodology for Cu ²⁺ removal from aqueous solution by peat adsorbent, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Vol.5, No.6, 1291-1300,	4	1,334	9,170
	10. M Gavrilesu, 2005, Fate of pesticides in the environment and its bioremediation ENGINEERING IN LIFE SCIENCES, 5 (6), 497–526,	1	2,385	57,700
14. Loredana Brinza, Maria Gavrilesu, (2003), pH	4 citări			
	1. Suteu, D., Zaharia, C., Malutan, T. 2012, Biosorbents based on lignin used in biosorption	3		16,666

Effect on the Biosorption of Cu (2+) from Aqueous Solution by <i>Saccharomyces Cerevisae</i>, <i>Environmental Engineering and Management Journal</i>, Vol.2, No.3, 243-254	processes from wastewater treatment: A review (Book Chapter), Lignin: Properties and Applications in Biotechnology and Bioenergy, pp. 279-306			
	2. M Gavrilescu, 2009, Behaviour of persistent pollutants and risks associated with their presence in the environment–integrated studies, ENVIRONMENTAL ENGINEERING AND MANAGEMENT, Vol. 8, Issue 6, 1517,	1	1,334	36,680
	3. M Gavrilescu, 2010, Environmental biotechnology: achievements, opportunities and challenges, Dynamic Biochemistry, PROCESS BIOTECHNOLOGY AND MOLECULAR BIOLOGY, IF=NA			
	4. D Suteu, I Volf, M Macoveanu, 2006, Ligno–cellulosic materials for wastewater treatment, ENVIRONMENTAL ENGINEERING AND MANAGEMENT Vol.5, No.2, 119-134	3	1,334	12,227
TOTAL				6147,345

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Semnatura:

