

Metals, minerals and microbes: geomicrobiology and bi

Microbiology (United Kingdom)

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Molecular Biological Detection of Anaerobic Gut Fungi ( Neocallimastigales ) from Landfill Sites. Applied and Environmental Microbiology, 2006, 72, 5659-5661.	1.4	64
2	Geomicrobiology of Eukaryotic Microorganisms. Geomicrobiology Journal, 2010, 27, 491-519.	1.0	96
3	Metallomics: lessons for metalliferous soil remediation. Applied Microbiology and Biotechnology, 2010, 87, 1271-1280.	1.7	75
4	A review of the environmental corrosion, fate and bioavailability of munitions grade depleted uranium. Science of the Total Environment, 2010, 408, 5690-5700.	3.9	72
5	Molecular Characterization of Fungal Communities in Sandstone. Geomicrobiology Journal, 2010, 27, 559-571.	1.0	25
6	Effects of Cu(II) and Zn(II) on growth and cell morphology of thraustochytrids isolated from fallen mangrove leaves in Taiwan. Botanica Marina, 2010, 53, .	0.6	8
7	Uranium and Fungi. Geomicrobiology Journal, 2011, 28, 471-482.	1.0	71
8	Biosynthesis of Metallic Nanoparticles and Their Applications. Fundamental Biomedical Technologies, 2011, , 373-409.	0.2	3
9	Bacterial Extracellular Polysaccharides. Advances in Experimental Medicine and Biology, 2011, 715, 213-226.	0.8	79
10	Synthetic geomicrobiology: engineering microbeâ€™ mineral interactions for space exploration and settlement. International Journal of Astrobiology, 2011, 10, 315-324.	0.9	18
11	Potential of Biosorption Technology. , 2011, , 7-17.		22
13	Endophytes of Forest Trees. Forestry Sciences, 2011, , .	0.4	30
14	Microbial Biosorption of Metals. , 2011, , .		65
15	Transgenic Approaches to Improve Phytoremediation of Heavy Metal Polluted Soils. Environmental Pollution, 2011, , 409-438.	0.4	2
16	Hg concentrations and accumulations in fungal fruiting bodies, as influenced by forest soil substrates and moss carpets. Applied Geochemistry, 2011, 26, 1905-1917.	1.4	45
17	Bacteria-induced crystallization of kaolinite. Applied Clay Science, 2011, 53, 566-571.	2.6	37
18	Significance, mechanisms and environmental implications of microbial biomineralization. Comptes Rendus - Geoscience, 2011, 343, 160-167.	0.4	145
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20	Microfluidic fluorescence in situ hybridization and flow cytometry (¼FlowFISH). Lab on A Chip, 2011, 11, 2673.	3.1	58
21	An Extracellular Tetrathionate Hydrolase from the Thermoacidophilic Archaeon Acidianus Ambivalens with an Activity Optimum at pH 1. Frontiers in Microbiology, 2011, 2, 68.	1.5	28
22	Fungi in freshwaters: ecology, physiology and biochemical potential. FEMS Microbiology Reviews, 2011, 35, 620-651.	3.9	248
23	The oxalic acid biosynthetic activity of Burkholderia mallei is encoded by a single locus. Microbiological Research, 2011, 166, 531-538.	2.5	19
24	Phytoextraction of gold and copper from mine tailings with Helianthus annuus L. and Kalanchoe serrata L. Minerals Engineering, 2011, 24, 1488-1494.	1.8	35
25	Efficient Zn <sup>2+</sup> and Pb <sup>2+</sup> uptake by filamentous fungus Paecilomyces marquandii with engagement of metal hydrocarbonates precipitation. International Biodeterioration and Biodegradation, 2011, 65, 954-960.	1.9	25
26	Monodispersed biocompatible silver sulfide nanoparticles: Facile extracellular biosynthesis using the β-proteobacterium, Shewanella oneidensis. Acta Biomaterialia, 2011, 7, 4253-4258.	4.1	138
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30	Manganese biomining: A review. Bioresource Technology, 2011, 102, 7381-7387.	4.8	167
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33	Kinetics and equilibrium adsorption of nano-TiO <sub>2</sub> particles on synthetic biofilm. Surface Science, 2011, 605, 1177-1184.	0.8	31
34	Terphenyl based fluorescent chemosensor for Cu <sup>2+</sup> and F <sup>-</sup> ions employing excited state intramolecular proton transfer. Tetrahedron, 2011, 67, 1266-1271.	1.0	39
35	Removal of arsenic from aqueous environments by native and chemically modified biomass of <i>Aspergillus niger</i> and <i>Neosartorya fischeri</i> . Environmental Technology (United Kingdom) BT / Overlock 10		
36	Metal Tolerance and Biosorption Potential of Soil Fungi: Applications for a Green and Clean Water Treatment Technology. , 2011, , 321-361.		5
37	The Geomicrobiology of Radionuclides. Geomicrobiology Journal, 2011, 28, 383-386.	1.0	29

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38	The potential for reductive mobilization of arsenic [As(V) to As(III)] by OSBH <sub>2</sub> ( <i>Pseudomonas stutzeri</i> ) and OSBH <sub>5</sub> ( <i>Bacillus cereus</i> ) in an oil-contaminated site. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1239-1246.	0.9	40
39	Molecular survey of concrete sewer biofilm microbial communities. Biofouling, 2011, 27, 993-1001.	0.8	64
40	Microbial Community Succession during Lactate Amendment and Electron Acceptor Limitation Reveals a Predominance of Metal-Reducing Pelosinus spp. Applied and Environmental Microbiology, 2012, 78, 2082-2091.	1.4	42
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42	Rhizoremediation: A Pragmatic Approach for Remediation of Heavy Metal-Contaminated Soil. , 2012, , 147-161.		8
43	Minerals Affect the Specific Diversity of Forest Soil Bacterial Communities. Geomicrobiology Journal, 2012, 29, 88-98.	1.0	42
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45	Isolation and Characterization of Environmental Bacteria Capable of Extracellular Biosorption of Mercury. Applied and Environmental Microbiology, 2012, 78, 1097-1106.	1.4	195
46	Detection of transcriptional triggers in the dynamics of microbial growth: application to the respiratorily versatile bacterium <i>Shewanella oneidensis</i> . Nucleic Acids Research, 2012, 40, 7132-7149.	6.5	20
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53	Soil Contamination, Nutritive Value, and Human Health Risk Assessment of Heavy Metals: An Overview. , 2012, , 1-27.		62
54	9 The Role of the Stonesphere for the Interactions Between Mycorrhizal Fungi and Mycorrhizosphere Bacteria During Mineral Weathering. , 2012, , 171-180.		0
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57	Synthetic biology: advancing biological frontiers by building synthetic systems. <i>Genome Biology</i> , 2012, 13, 240.	13.9	65
58	Spectroscopic characterization of an innovative biological treatment for corroded metal artefacts. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1612-1616.	1.2	20
59	Micro- and nano-environments of carbon sequestration: Multi-element STXM-NEXAFS spectromicroscopy assessment of microbial carbon and mineral associations. <i>Chemical Geology</i> , 2012, 329, 53-73.	1.4	142
60	Proteomic analysis of proteins secreted by <i>Botrytis cinerea</i> in response to heavy metal toxicity. <i>Metallomics</i> , 2012, 4, 835.	1.0	37
61	Persistent Metal Contamination Limits Lotic Ecosystem Heterotrophic Metabolism after More Than 100 Years of Exposure: A Novel Application of the Resazurin Resorufin Smart Tracer. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9862-9871.	4.6	13
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63	A Model Sheet Mineral System to Study Fungal Bioweathering of Mica. <i>Geomicrobiology Journal</i> , 2012, 29, 323-331.	1.0	35
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66	Microbial production and environmental applications of Pd nanoparticles for treatment of halogenated compounds. <i>Current Opinion in Biotechnology</i> , 2012, 23, 555-561.	3.3	68
67	Quantifying Hg within ectomycorrhizal fruiting bodies, from emergence to senescence. <i>Fungal Biology</i> , 2012, 116, 1163-1177.	1.1	38
68	14 Genetic Diversity and Functional Aspects of Ericoid Mycorrhizal Fungi. , 2012, , 255-285.		21
69	Metagenomic Approaches in Microbial Bioremediation of Metals and Radionuclides. , 2012, , 525-546.		4
70	Bacterial Community Composition in the Water Column of a Lake Formed by a Former Uranium Open Pit Mine. <i>Microbial Ecology</i> , 2012, 64, 870-880.	1.4	9
71	Engineering microbial consortia to enhance biomining and bioremediation. <i>Frontiers in Microbiology</i> , 2012, 3, 203.	1.5	122
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73	Biogenic volatile compounds of activated sludge and their application for metal bioremediation. <i>African Journal of Biotechnology</i> , 2012, 11, .	0.3	0

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83	Biotransformation of manganese oxides by fungi: solubilization and production of manganese oxalate biominerals. Environmental Microbiology, 2012, 14, 1744-1753.	1.8	63
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85	Rhizoreduction of arsenate and chromate in Australian native grass, shrub and tree vegetation. Plant and Soil, 2013, 367, 615-625.	1.8	25
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90	Physicochemical and biological interfacial interactions: impacts on soil ecosystem and biodiversity. Environmental Earth Sciences, 2013, 68, 2199-2209.	1.3	8
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94	Fabrication of Au/Pd alloy nanoparticle/ <i>Pichia pastoris</i> composites: a microorganism-mediated approach. RSC Advances, 2013, 3, 15389.	1.7	16

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95	Cleanup of industrial effluents containing heavy metals: a new opportunity of valorising the biomass produced by brewing industry. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6667-6675.	1.7	25
96	Evaluation of reduction roasting and magnetic separation for upgrading Mn/Fe ratio of fine ferromanganese. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 537-541.	4.6	33
97	Thermal effects on microbial composition and microbiologically induced corrosion and mineral precipitation affecting operation of a geothermal plant in a deep saline aquifer. <i>Extremophiles</i> , 2013, 17, 311-327.	0.9	49
98	Changes in Bacterial Community Structure and Abundance in Agricultural Soils under Varying Levels of Arsenic Contamination. <i>Geomicrobiology Journal</i> , 2013, 30, 635-644.	1.0	27
99	The Role of Bioretention Systems in the Treatment of Stormwater. <i>Advances in Agronomy</i> , 2013, , 223-274.	2.4	33
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104	Significance of autochthonous <i>Bacillus</i> sp. KK1 on biomineralization of lead in mine tailings. <i>Chemosphere</i> , 2013, 90, 2267-2272.	4.2	120
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106	Field evidence of selenium bioreduction in a uranium-contaminated aquifer. <i>Environmental Microbiology Reports</i> , 2013, 5, 444-452.	1.0	54
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115	Laboratory tests of fungal biocorrosion of unbonded lubricated post-tensioned tendons. <i>Construction and Building Materials</i> , 2013, 49, 821-827.	3.2	14
116	Mineral-Water Interface Reactions of Actinides. <i>Chemical Reviews</i> , 2013, 113, 1016-1062.	23.0	271
117	Current Aspects of Metal Resistant Bacteria in Bioremediation: From Genes to Ecosystem. , 2013, , 289-311.		5
118	Transgenic Approaches to Enhance Phytoremediation of Heavy Metal-Polluted Soils. <i>Soil Biology</i> , 2013, , 239-271.	0.6	7
119	Microbial communities in low permeability, high pH uranium mine tailings: characterization and potential effects. <i>Journal of Applied Microbiology</i> , 2013, 114, 1671-1686.	1.4	74
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122	Soil metatranscriptomics for mining eukaryotic heavy metal resistance genes. <i>Environmental Microbiology</i> , 2013, 15, 2829-2840.	1.8	43
123	Use of <i>Pseudomonas</i> spp. for the bioremediation of environmental pollutants: a review. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 8147-8155.	1.3	151
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125	Improved understanding of key elements governing the toxicity of energy ash eluates. <i>Waste Management</i> , 2013, 33, 842-849.	3.7	7
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127	An Introduction to Bioremediation. <i>Soil Biology</i> , 2013, , 3-27.	0.6	24
128	Microbial Transformation of Trace Elements in Soils in Relation to Bioavailability and Remediation. <i>Reviews of Environmental Contamination and Toxicology</i> , 2013, 225, 1-56.	0.7	41
129	Antimicrobial activity of metals: mechanisms, molecular targets and applications. <i>Nature Reviews Microbiology</i> , 2013, 11, 371-384.	13.6	1,987
130	Fungi and Their Role in Phytoremediation of Heavy Metal-Contaminated Soils. <i>Soil Biology</i> , 2013, , 313-345.	0.6	3
131	Microbially induced selective flotation of sphalerite from galena using mineral-adapted strains of <i>Bacillus megaterium</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 279-286.	2.5	16



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132	Geomycology: Fungi as Agents of Biogeochemical Change. <i>Biology and Environment</i> , 2013, 113, 1-15.	0.2	10
133	Effects of Time and Glucose-C on the Fractionation of Zn and Cu in a Slightly Acidic Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 722-732.	0.6	5
134	Survival During Long-Term Starvation: Global Proteomics Analysis of <i>Geobacter sulfurreducens</i> under Prolonged Electron-Acceptor Limitation. <i>Journal of Proteome Research</i> , 2013, 12, 4316-4326.	1.8	19
135	Solubilization of Magnesium-Bearing Silicate Minerals and the Subsequent Formation of Glushinskite by <i>Aspergillus niger</i> . <i>Geomicrobiology Journal</i> , 2013, 30, 302-312.	1.0	21
136	Biosorption of heavy metals in a photo-rotating biological contactor—a batch process study. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5113-5123.	1.7	18
137	Evaluation of the total concentration of iron, manganese, cadmium and nickel and their DTPA extractable forms in the common dandelion rhizospheric and non-rhizospheric soil of the lower Vistula river floodplain grasslands / Ocena całkowitej zawartości żelaza, manganu, kadmu i niklu oraz ich form ekstrahowanych DTPA w glebie ryzosferowej mniszka lekarskiego oraz glebie pozaryzosferowej u roślin zielonych z terenów zalewowych Doliny Dolnej Wisły. <i>Ochrona Środowiska i Zasobów Naturalnych</i> , 2013, 24, 19-24.	0.4	1
138	Reductive formation of palladium nanoparticles by <i>Shewanella oneidensis</i> : role of outer membrane cytochromes and hydrogenases. <i>RSC Advances</i> , 2013, 3, 22498.	1.7	43
139	A New Direction for Biomining: Extraction of Metals by Reductive Dissolution of Oxidized Ores. <i>Minerals (Basel, Switzerland)</i> , 2013, 3, 49-58.	0.8	55
140	Bacterially Induced Weathering of Ultramafic Rock and Its Implications for Phytoextraction. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5094-5103.	1.4	44
141	Effect of lead on root growth. <i>Frontiers in Plant Science</i> , 2013, 4, 175.	1.7	198
142	Recent Trends in Microbial Biosorption of Heavy Metals: A Review. <i>Biochemistry &amp; Molecular Biology</i> , 2013, 1, 19.	0.5	86
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145	Geobiology of <i>In Situ</i> Uranium Leaching. <i>Advanced Materials Research</i> , 0, 825, 372-375.	0.3	4
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148	Specific jarosite biomineralization by <i>Purpureocillium lilacinum</i> , an acidophilic fungus isolated from <i>RT</i> into <i>TC</i> . <i>Environmental Microbiology</i> , 2013, 15, 2228-2237.	1.8	71
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150	Interactive effects of global climate change and pollution on marine microbes: the way ahead. <i>Ecology and Evolution</i> , 2013, 3, 1808-1818.	0.8	39

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152	Fungal Mn oxides supporting Mn(II) oxidase activity as effective Mn(II) sequestering materials. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2781-2787.	1.2	17
153	Life in an Arsenic-Containing Gold Mine: Genome and Physiology of the Autotrophic Arsenite-Oxidizing Bacterium <i>Rhizobium</i> sp. NT-26. <i>Genome Biology and Evolution</i> , 2013, 5, 934-953.	1.1	60
154	Role and Importance of Hyphenated Techniques in Speciation Analysis. , 2013, , 250-270.		1
155	Crystal and Fine Structural Transformations of Heat-Treated Biogenic Manganese Oxide. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2013, 60, 92-99.	0.1	0
156	Fungi and Their Role in the Biosphere. , 2013, , .		1
157	Chemolithotrophy. , 2013, , 486-492.		4
158	Metals and Metalloids, Transformation by Microorganisms. , 2013, , .		7
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162	Gold Nanoparticles and Nanocomposites in Clinical Diagnostics Using Electrochemical Methods. <i>Journal of Nanoparticles</i> , 2013, 2013, 1-12.	1.4	51
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164	Manganese: Its Speciation, Pollution and Microbial Mitigation. <i>International Journal of Applied Sciences and Biotechnology</i> , 2013, 1, 162-170.	0.4	6
165	Optimal Eukaryotic 18S and Universal 16S/18S Ribosomal RNA Primers and Their Application in a Study of Symbiosis. <i>PLoS ONE</i> , 2014, 9, e90053.	1.1	104
166	Phosphate-Mediated Remediation of Metals and Radionuclides. <i>Advances in Ecology</i> , 2014, 2014, 1-14.	0.5	19
167	The Effect of Industrial Heavy Metal Pollution on Microbial Abundance and Diversity in Soils – A Review. , 0, , .		36
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