Geoffrey Michael Gadd

List of Publications by Year
in descending order

268 papers	19,590 citations	13865 67 h-index	13771 129 g-index
288 all docs	288 docs citations	288 times ranked	14841 citing authors

#	Article	IF	Citations
1	Rock phosphate solubilization by abiotic and fungalâ€produced oxalic acid: reaction parameters and bioleaching potential. Microbial Biotechnology, 2022, 15, 1189-1202.	4.2	10
2	Fungal transformation of natural and synthetic cobaltâ€bearing manganese oxides and implications for cobalt biogeochemistry. Environmental Microbiology, 2022, 24, 667-677.	3.8	8
3	Fungal-induced CaCO3 and SrCO3 precipitation: a potential strategy for bioprotection of concrete. Science of the Total Environment, 2022, 816, 151501.	8.0	18
4	Fungal colonization and biomineralization for bioprotection of concrete. Journal of Cleaner Production, 2022, 330, 129793.	9.3	10
5	Nanoparticle and nanomineral production by fungi. Fungal Biology Reviews, 2022, 41, 31-44.	4.7	33
6	Solubilization of struvite and biorecovery of cerium by Aspergillus niger. Applied Microbiology and Biotechnology, 2022, 106, 821-833.	3.6	4
7	Transformation of metals and metalloids by microorganisms. , 2022, , .		1
8	Fungalâ€"Mineral Interactions Modulating Intrinsic Peroxidase-like Activity of Iron Nanoparticles: Implications for the Biogeochemical Cycles of Nutrient Elements and Attenuation of Contaminants. Environmental Science & Technology, 2022, 56, 672-680.	10.0	23
9	Fungal-derived selenium nanoparticles and their potential applications in electroless silver coatings for preventing pin-tract infections. International Journal of Energy Production and Management, 2022, 9, rbac013.	3.7	11
10	Molecular Trade-Offs between Lattice Oxygen and Oxygen Vacancy Drive Organic Pollutant Degradation in Fungal Biomineralized Exoskeletons. Environmental Science & Technology, 2022, 56, 8132-8141.	10.0	7
11	Intrinsic enzymeâ€like activity of magnetite particles is enhanced by cultivation with <i>Trichoderma guizhouense</i>. Environmental Microbiology, 2021, 23, 893-907.	3.8	20
12	A solâ€"gel based silver nanoparticle/polytetrafluorethylene (AgNP/PTFE) coating with enhanced antibacterial and anti-corrosive properties. Applied Surface Science, 2021, 535, 147675.	6.1	42
13	Microbial biomodification of clay minerals. Advances in Applied Microbiology, 2021, 114, 111-139.	2.4	16
14	Role of Protein in Fungal Biomineralization of Copper Carbonate Nanoparticles. Current Biology, 2021, 31, 358-368.e3.	3.9	24
15	Colonization and bioweathering of monazite by <i>Aspergillus niger</i>: solubilization and precipitation of rare earth elements. Environmental Microbiology, 2021, 23, 3970-3986.	3.8	18
16	Environmental adaptation is stronger for abundant rather than rare microorganisms in wetland soils from the Qinghaiâ€Tibet Plateau. Molecular Ecology, 2021, 30, 2390-2403.	3.9	85
17	Characterisation of selenium and tellurium nanoparticles produced by Aureobasidium pullulans using a multi-method approach. Journal of Chromatography A, 2021, 1642, 462022.	3.7	20
18	Marine Microbial-Derived Antibiotics and Biosurfactants as Potential New Agents against Catheter-Associated Urinary Tract Infections. Marine Drugs, 2021, 19, 255.	4.6	10

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19	Selective fungal bioprecipitation of cobalt and nickel for multipleâ€product metal recovery. Microbial Biotechnology, 2021, 14, 1747-1756.	4.2	10
20	Dredging alleviates cyanobacterial blooms by weakening diversity maintenance of bacterioplankton community. Water Research, 2021, 202, 117449.	11.3	29
21	Chemical and Physical Mechanisms of Fungal Bioweathering of Rock Phosphate. Geomicrobiology Journal, 2021, 38, 384-394.	2.0	12
22	Fungal biomineralization. Current Biology, 2021, 31, R1557-R1563.	3.9	18
23	Application of fungal copper carbonate nanoparticles as environmental catalysts: organic dye degradation and chromate removal. Microbiology (United Kingdom), 2021, 167, .	1.8	1
24	Effect of depleted uranium on a soil microcosm fungal community and influence of a plant-ectomycorrhizal association. Fungal Biology, 2020, 124, 289-296.	2.5	6
25	Organic acids, siderophores, enzymes and mechanical pressure for black slate bioweathering with the basidiomycete <i>Schizophyllum commune</i>. Environmental Microbiology, 2020, 22, 1535-1546.	3.8	33
26	Bisphenol A removal from a plastic industry wastewater by <i>Dracaena sanderiana</i> endophytic bacteria and <i>Bacillus cereus</i> NI. International Journal of Phytoremediation, 2020, 22, 167-175.	3.1	27
27	Superhydrophobic Coatings for Urinary Catheters To Delay Bacterial Biofilm Formation and Catheter-Associated Urinary Tract Infection. ACS Applied Bio Materials, 2020, 3, 282-291.	4.6	32
28	Biorecovery of cobalt and nickel using biomass-free culture supernatants from Aspergillus niger. Applied Microbiology and Biotechnology, 2020, 104, 417-425.	3.6	20
29	Biocorrosion of copper metal by Aspergillus niger. International Biodeterioration and Biodegradation, 2020, 154, 105081.	3.9	14
30	Iron coral: Novel fungal biomineralization of nanoscale zerovalent iron composites for treatment of chlorinated pollutants. Chemical Engineering Journal, 2020, 402, 126263.	12.7	14
31	Geoffrey Michael Gadd. Current Biology, 2020, 30, R966-R969.	3.9	0
32	Fungal bioremediation of soil co-contaminated with petroleum hydrocarbons and toxic metals. Applied Microbiology and Biotechnology, 2020, 104, 8999-9008.	3.6	65
33	Rapid aerobic granulation using biochar for the treatment of petroleum refinery wastewater. Petroleum Science, 2020, 17, 1411-1421.	4.9	14
34	Microplastics provide new microbial niches in aquatic environments. Applied Microbiology and Biotechnology, 2020, 104, 6501-6511.	3.6	217
35	Applications of nanozymes in the environment. Environmental Science: Nano, 2020, 7, 1305-1318.	4.3	87
36	Monazite transformation into Ceâ€•and Laâ€containing oxalates by <i>Aspergillus niger</i>. Environmental Microbiology, 2020, 22, 1635-1648.	3.8	25

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37	Influence of metals and metalloids on the composition and fluorescence quenching of the extracellular polymeric substances produced by the polymorphic fungus Aureobasidium pullulans. Applied Microbiology and Biotechnology, 2020, 104, 7155-7164.	3.6	1
38	Fungal Nanophase Particles Catalyze Iron Transformation for Oxidative Stress Removal and Iron Acquisition. Current Biology, 2020, 30, 2943-2950.e4.	3.9	32
39	A new Rhodococcus aetherivorans strain isolated from lubricant-contaminated soil as a prospective phenol-biodegrading agent. Applied Microbiology and Biotechnology, 2020, 104, 3611-3625.	3.6	18
40	Biotransformation of struvite by <i>Aspergillus niger</i>: phosphate release and magnesium biomineralization as glushinskite. Environmental Microbiology, 2020, 22, 1588-1602.	3.8	26
41	Fungal transformation of selenium and tellurium located in a volcanogenic sulfide deposit. Environmental Microbiology, 2020, 22, 2346-2364.	3.8	12
42	Heavy Metal Pollutants: Environmental and Biotechnological Aspects. , 2019, , .		5
43	Transport and retention of biogenic selenium nanoparticles in biofilm-coated quartz sand porous media and consequence for elemental mercury immobilization. Science of the Total Environment, 2019, 692, 1116-1124.	8.0	16
44	Arsenic Toxicity: An Arsenic-Hyperaccumulating Fern Uses a Bacterial-like Tolerance Mechanism. Current Biology, 2019, 29, R580-R582.	3.9	8
45	Fungal formation of selenium and tellurium nanoparticles. Applied Microbiology and Biotechnology, 2019, 103, 7241-7259.	3.6	77
46	Amino acid secretion influences the size and composition of copper carbonate nanoparticles synthesized by ureolytic fungi. Applied Microbiology and Biotechnology, 2019, 103, 7217-7230.	3.6	40
47	Direct and Indirect Bioleaching of Cobalt from Low Grade Laterite and Pyritic Ores by <i>Aspergillus niger</i>. Geomicrobiology Journal, 2019, 36, 940-949.	2.0	18
48	Advanced titanium dioxide-polytetrafluorethylene (TiO2-PTFE) nanocomposite coatings on stainless steel surfaces with antibacterial and anti-corrosion properties. Applied Surface Science, 2019, 490, 231-241.	6.1	73
49	Anaerobic respiration. , 2019, , 268-320.		1
50	Enhanced Antibacterial and Antiadhesive Activities of Silver-PTFE Nanocomposite Coating for Urinary Catheters. ACS Biomaterials Science and Engineering, 2019, 5, 2804-2814.	5.2	63
51	Experimental and geochemical simulation of nickel carbonate mineral precipitation by carbonate-laden ureolytic fungal culture supernatants. Environmental Science: Nano, 2019, 6, 1866-1875.	4.3	18
52	Colonization, penetration and transformation of manganese oxide nodules by <i>Aspergillus niger</i>. Environmental Microbiology, 2019, 21, 1821-1832.	3.8	15
53	Metal bioavailability and the soil microbiome. Advances in Agronomy, 2019, 155, 79-120.	5.2	31
54	Immobilization of elemental mercury by biogenic Se nanoparticles in soils of varying salinity. Science of the Total Environment, 2019, 668, 303-309.	8.0	16

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55	Soil dissolved organic matter affects mercury immobilization by biogenic selenium nanoparticles. Science of the Total Environment, 2019, 658, 8-15.	8.0	22
56	Biotransformation of lanthanum by Aspergillus niger. Applied Microbiology and Biotechnology, 2019, 103, 981-993.	3.6	24
57	Heteroaggregation of soil particulate organic matter and biogenic selenium nanoparticles for remediation of elemental mercury contamination. Chemosphere, 2019, 221, 486-492.	8.2	18
58	Roles of saprotrophic fungi in biodegradation or transformation of organic and inorganic pollutants in co-contaminated sites. Applied Microbiology and Biotechnology, 2019, 103, 53-68.	3.6	50
59	Selenium and tellurium oxyanion reduction by yeasts. Access Microbiology, 2019, 1, .	0.5	0
60	Fungal strategies for dealing with environment- and agriculture-induced stresses. Fungal Biology, 2018, 122, 602-612.	2.5	52
61	A survey of uranium levels in urine and hair of people living in a coal mining area in Yili, Xinjiang, China. Journal of Environmental Radioactivity, 2018, 189, 168-174.	1.7	28
62	Interactions between biogenic selenium nanoparticles and goethite colloids and consequence for remediation of elemental mercury contaminated groundwater. Science of the Total Environment, 2018, 613-614, 672-678.	8.0	35
63	Multiple-pathway remediation of mercury contamination by a versatile selenite-reducing bacterium. Science of the Total Environment, 2018, 615, 615-623.	8.0	33
64	Microbiological and environmental significance of metal-dependent anaerobic oxidation of methane. Science of the Total Environment, 2018, 610-611, 759-768.	8.0	96
65	Stabilizing interaction of exopolymers with nano-Se and impact on mercury immobilization in soil and groundwater. Environmental Science: Nano, 2018, 5, 456-466.	4.3	22
66	Metabolic synergies in the biotransformation of organic and metallic toxic compounds by a saprotrophic soil fungus. Applied Microbiology and Biotechnology, 2018, 102, 1019-1033.	3.6	19
67	Biogeochemical spatioâ€temporal transformation of copper in <scp><i>A</i></scp><i>spergillus niger</i> colonies grown on malachite with different inorganic nitrogen sources. Environmental Microbiology, 2017, 19, 1310-1321.	3.8	12
68	The Geomycology of Elemental Cycling and Transformations in the Environment. Microbiology Spectrum, 2017, 5, .	3.0	26
69	Fungi, Rocks, and Minerals. Elements, 2017, 13, 171-176.	0.5	67
70	Geomicrobiology of the built environment. Nature Microbiology, 2017, 2, 16275.	13.3	113
71	Aerobic and anaerobic biosynthesis of nano-selenium for remediation of mercury contaminated soil. Chemosphere, 2017, 170, 266-273.	8.2	98
72	TEMPORARY REMOVAL: Effects of oxathiapiprolin on photosynthetic activity of Chlorella pyrenoidosa probed by chlorophyll fluorescence and thermoluminescence assays. Pesticide Biochemistry and Physiology, 2017, 142, 161.	3.6	1

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73	Metal and metalloid biorecovery using fungi. Microbial Biotechnology, 2017, 10, 1199-1205.	4.2	74
74	Fungal nanoscale metal carbonates and production of electrochemical materials. Microbial Biotechnology, 2017, 10, 1131-1136.	4.2	28
75	Bioprotection of the built environment and cultural heritage. Microbial Biotechnology, 2017, 10, 1152-1156.	4.2	44
76	Biosynthesis of copper carbonate nanoparticles by ureolytic fungi. Applied Microbiology and Biotechnology, 2017, 101, 7397-7407.	3.6	41
77	The roles of endolithic fungi in bioerosion and disease in marine ecosystems. I. General concepts. Mycology, 2017, 8, 205-215.	4.4	25
78	New horizons in geomycology. Environmental Microbiology Reports, 2017, 9, 4-7.	2.4	3
79	The Geomycology of Elemental Cycling and Transformations in the Environment. , 2017, , 369-386.		1
80	Uranium Bioreduction and Biomineralization. Advances in Applied Microbiology, 2017, 101, 137-168.	2.4	42
81	The roles of endolithic fungi in bioerosion and disease in marine ecosystems. II. Potential facultatively parasitic anamorphic ascomycetes can cause disease in corals and molluscs. Mycology, 2017, 8, 216-227.	4.4	11
82	Chapter 9 Geomycology. Mycology, 2017, , 119-136.	0.5	1
83	Phosphataseâ€mediated bioprecipitation of lead by soil fungi. Environmental Microbiology, 2016, 18, 219-231.	3.8	55
84	Uranium bioprecipitation mediated by yeasts utilizing organic phosphorus substrates. Applied Microbiology and Biotechnology, 2016, 100, 5141-5151.	3.6	48
85	Microbially-induced Carbonate Precipitation for Immobilization of Toxic Metals. Advances in Applied Microbiology, 2016, 94, 79-108.	2.4	143
86	Geomycology. Fungal Biology, 2016, , 371-401.	0.6	5
87	Fungal Biomineralization of Manganese as a Novel Source of Electrochemical Materials. Current Biology, 2016, 26, 950-955.	3.9	53
88	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, 2016, 33, 332-337.	2.0	5
89	Biostabilization of Desert Sands Using Bacterially Induced Calcite Precipitation. Geomicrobiology Journal, 2016, 33, 243-249.	2.0	30
90	Bioimmobilization of Heavy Metals in Acidic Copper Mine Tailings Soil. Geomicrobiology Journal, 2016, 33, 261-266.	2.0	66

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91	Biomineralization, Bioremediation and Biorecovery of Toxic Metals and Radionuclides. Geomicrobiology Journal, 2016, 33, 175-178.	2.0	34
92	Zinc Oxalate Crystal Formation byAspergillus nomius. Geomicrobiology Journal, 2016, 33, 289-293.	2.0	7
93	Heavy Metal Tolerance and Biotransformation of Toxic Metal Compounds by New Isolates of Wood-Rotting Fungi from Thailand. Geomicrobiology Journal, 2016, 33, 283-288.	2.0	39
94	Lead Bioprecipitation by Yeasts Utilizing Organic Phosphorus Substrates. Geomicrobiology Journal, 2016, 33, 294-307.	2.0	27
95	A New Lead Hydroxycarbonate Produced During Transformation of Lead Metal by the Soil Fungus<i>Paecilomyces javanicus</i>. Geomicrobiology Journal, 2016, 33, 250-260.	2.0	22
96	Effects of pH Shock on Hg(II) Complexation by Exopolymers from<i>Acidithiobacillus ferrooxidans</i>. Geomicrobiology Journal, 2016, 33, 325-331.	2.0	5
97	Transformation of vanadinite [<scp><scp>Pb₅</scp></scp>(<scp><scp>VO₄</scp></scp>)<scp><scp>₃Cl</scp></scp>] by fungi. Environmental Microbiology, 2015, 17, 2018-2034.	3.8	33
98	<scp>C</scp>a<scp>CO</scp>₃ and <scp>S</scp>r<scp>CO</scp>₃ bioprecipitation by fungi isolated from calcareous soil. Environmental Microbiology, 2015, 17, 3082-3097.	3.8	82
99	Fungal Bioweathering of Mimetite and a General Geomycological Model for Lead Apatite Mineral Biotransformations. Applied and Environmental Microbiology, 2015, 81, 4955-4964.	3.1	30
100	Uranium phosphate biomineralization by fungi. Environmental Microbiology, 2015, 17, 2064-2075.	3.8	75
101	Biotransformation of Î²-hexachlorocyclohexane by the saprotrophic soil fungus Penicillium griseofulvum. Chemosphere, 2015, 137, 101-107.	8.2	18
102	The biocathode of microbial electrochemical systems and microbially-influenced corrosion. Bioresource Technology, 2015, 190, 395-401.	9.6	69
103	Lost in Translation: Pitfalls in Deciphering Plant Alternative Splicing Transcripts. Plant Cell, 2015, 27, 2083-2087.	6.6	53
104	Biomineralization of Metal Carbonates by <i>Neurospora crassa</i>. Environmental Science & Technology, 2014, 48, 14409-14416.	10.0	124
105	Pyromorphite formation in a fungal biofilm community growing on lead metal. Environmental Microbiology, 2014, 16, 1441-1451.	3.8	37
106	Fungal transformation of metallic lead to pyromorphite in liquid medium. Chemosphere, 2014, 113, 17-21.	8.2	32
107	Biosorption: current perspectives on concept, definition and application. Bioresource Technology, 2014, 160, 3-14.	9.6	827
108	Oxalate production by fungi: significance in geomycology, biodeterioration and bioremediation. Fungal Biology Reviews, 2014, 28, 36-55.	4.7	291

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109	Regulation of vectorial supply of vesicles to the hyphal tip determines thigmotropism in Neurospora crassa. Fungal Biology, 2014, 118, 287-294.	2.5	21
110	Influence of arbuscular mycorrhizal fungi (AMF) on zinc biogeochemistry in the rhizosphere of Lindenbergia philippensis growing in zinc-contaminated sediment. BioMetals, 2013, 26, 489-505.	4.1	16
111	Fungal biotransformation of zinc silicate and sulfide mineral ores. Environmental Microbiology, 2013, 15, 2173-2186.	3.8	49
112	Geomycology: Fungi as Agents of Biogeochemical Change. Biology and Environment, 2013, 113, 1-15.	0.3	10
113	Biodegradation of ivory (natural apatite): possible involvement of fungal activity in biodeterioration of the <scp>L</scp>ewis <scp>C</scp>hessmen. Environmental Microbiology, 2013, 15, 1050-1062.	3.8	30
114	Microbial Roles in Mineral Transformations and Metal Cycling in the Earthâ€™s Critical Zone. , 2013, , 115-165.		12
115	Dynamics and Bioavailability of Heavy Metals in the Rootzone. By H. M. Selim. Boca Raton, Fl, USA: CRC Press. Taylor and Francis (2011), pp. 299, Â£82.00. ISBN 978-1-4398-2622-5.. Experimental Agriculture, 2012, 48, 153-154.	0.9	0
116	A Model Sheet Mineral System to Study Fungal Bioweathering of Mica. Geomicrobiology Journal, 2012, 29, 323-331.	2.0	35
117	Nanobiotechnology. Current Opinion in Biotechnology, 2012, 23, 501-502.	6.6	0
118	Lead Transformation to Pyromorphite by Fungi. Current Biology, 2012, 22, 237-241.	3.9	99
119	Geomycology: metals, actinides and biominerals. Environmental Microbiology Reports, 2012, 4, 270-296.	2.4	132
120	Biotransformation of manganese oxides by fungi: solubilization and production of manganese oxalate biominerals. Environmental Microbiology, 2012, 14, 1744-1753.	3.8	63
121	Uranium and Fungi. Geomicrobiology Journal, 2011, 28, 471-482.	2.0	71
122	Geomycology. Encyclopedia of Earth Sciences Series, 2011, , 416-432.	0.1	19
123	The Geomicrobiology of Radionuclides. Geomicrobiology Journal, 2011, 28, 383-386.	2.0	29
124	Geomicrobiology of Eukaryotic Microorganisms. Geomicrobiology Journal, 2010, 27, 491-519.	2.0	96
125	Molecular Characterization of Fungal Communities in Sandstone. Geomicrobiology Journal, 2010, 27, 559-571.	2.0	25
126	Metals, minerals and microbes: geomicrobiology and bioremediation. Microbiology (United Kingdom), 2010, 156, 609-643.	1.8	1,496

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127	Microbial Role in Global Biogeochemical Cycling of Metals and Metalloids at the Interfaces in the Earthâ€™s Critical Zone. , 2010, , 5-7.		2
128	Rock-Building Fungi. Geomicrobiology Journal, 2010, 27, 624-629.	2.0	78
129	Biosorption: critical review of scientific rationale, environmental importance and significance for pollution treatment. Journal of Chemical Technology and Biotechnology, 2009, 84, 13-28.	3.2	972
130	Geomycology. Fungal Biology Reviews, 2009, 23, 91-93.	4.7	7
131	Approaches to modelling mineral weathering by fungi. Fungal Biology Reviews, 2009, 23, 138-144.	4.7	44
132	Membraneâ€electrode assembly enhances performance of a microbial fuel cell type biological oxygen demand sensor. Environmental Technology (United Kingdom), 2009, 30, 329-336.	2.2	35
133	Phenol degradation by Fusarium oxysporum GJ4 is affected by toxic catalytic polymerization mediated by copper oxide. Chemosphere, 2009, 75, 765-771.	8.2	9
134	A novel thermostable endoglucanase from the wood-decaying fungus Daldinia eschscholzii (Ehrenb.:Fr.) Rehm. Enzyme and Microbial Technology, 2008, 42, 404-413.	3.2	65
135	Bacterial and fungal geomicrobiology: a problem with communities?. Geobiology, 2008, 6, 278-284.	2.4	51
136	Role of fungi in the biogeochemical fate of depleted uranium. Current Biology, 2008, 18, R375-R377.	3.9	77
137	Transformation and Mobilization of Metals, Metalloids, and Radionuclides by Microorganisms. , 2007, , 53-96.		11
138	The Complexity of Aqueous Complexation: The Case of Aluminum- and Iron(III)-Citrate. , 2007, , 373-416.		0
139	Sources and Mobility of Metallic Radionuclides in Soil Systems. , 2007, , 521-564.		0
140	Phosphate-Induced Lead Immobilization in Contaminated Soils: Mechanisms, Assessment, and Field Applications. , 2007, , 607-629.		2
141	Spectroscopic Techniques for Studying Metal-Humic Complexes in Soil. , 2007, , 125-168.		0
142	Factors Affecting the Sorption-Desorption of Trace Elements in Soil Environments. , 2007, , 169-213.		16
143	Fractionation and Mobility of Trace Elements in Soils and Sediments. , 2007, , 467-520.		16
144	Modeling Adsorption of Metals and Metalloids by Soil Components. , 2007, , 215-264.		6

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145	Bioremediation of metals and metalloids by precipitation and cellular binding. , 2007, , 405-434.		21
146	Induction of contour sensing in Aspergillus niger by stress and its relevance to fungal growth mechanics and hyphal tip structure. Fungal Genetics and Biology, 2007, 44, 484-491.	2.1	46
147	Impacts of Physicochemical-Biological Interactions on Metal and Metalloid Transformations in Soils: An Overview. , 2007, , 1-52.		5
148	A novel biomonitoring system using microbial fuel cells. Journal of Environmental Monitoring, 2007, 9, 1323.	2.1	173
149	Mineral transformations and biogeochemical cycles: a geomycological perspective. , 2007, , 77-111.		6
150	Wiley Series Sponsored by IUPAC in Biophysico-Chemical Processes in Environmental Systems. , 2007, , 659-659.		0
151	X-ray absorption spectroscopy (XAS) of toxic metal mineral transformations by fungi. Environmental Microbiology, 2007, 9, 308-321.	3.8	64
152	Fungal transformations of uranium oxides. Environmental Microbiology, 2007, 9, 1696-1710.	3.8	101
153	Geomycology: biogeochemical transformations of rocks, minerals, metals and radionuclides by fungi, bioweathering and bioremediation. Mycological Research, 2007, 111, 3-49.	2.5	1,015
154	Challenges in microbial fuel cell development and operation. Applied Microbiology and Biotechnology, 2007, 76, 485-494.	3.6	358
155	Effect of nutrient availability on hyphal maturation and topographical sensing in Aspergillus niger. Mycoscience, 2007, 48, 145-151.	0.8	11
156	The Development of Fungal Networks in Complex Environments. Bulletin of Mathematical Biology, 2007, 69, 605-634.	1.9	91
157	The oxalateâ€"carbonate pathway in soil carbon storage: the role of fungi and oxalotrophic bacteria. , 2006, , 289-310.		62
158	Biomineralization of Fungal Hyphae with Calcite (CaCO3) and Calcium Oxalate Mono- and Dihydrate in Carboniferous Limestone Microcosms. Geomicrobiology Journal, 2006, 23, 599-611.	2.0	115
159	Removal of selenate from sulfate-containing media by sulfate-reducing bacterial biofilms. Environmental Microbiology, 2006, 8, 816-826.	3.8	65
160	Mutants of Saccharomyces cerevisiae defective in vacuolar function confirm a role for the vacuole in toxic metal ion detoxification. FEMS Microbiology Letters, 2006, 152, 293-298.	1.8	140
161	Solubilisation of some naturally occurring metal-bearing minerals, limescale and lead phosphate by Aspergillus niger. FEMS Microbiology Letters, 2006, 154, 29-35.	1.8	74
162	Biodegradation of benzo(a)pyrene by a newly isolated<i>Fusarium</i>sp.. FEMS Microbiology Letters, 2006, 262, 99-106.	1.8	49

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163	Zinc Phosphate Transformations by the Paxillus involutus/Pine Ectomycorrhizal Association. Microbial Ecology, 2006, 52, 322-333.	2.8	50
164	Characterization of Bacterial Community Structure on a Weathered Pegmatitic Granite. Microbial Ecology, 2006, 51, 526-534.	2.8	114
165	Solubilization of toxic metal minerals and metal tolerance of mycorrhizal fungi. Soil Biology and Biochemistry, 2005, 37, 851-866.	8.8	231
166	Characterization of Fungal Community Structure on a Weathered Pegmatitic Granite. Microbial Ecology, 2005, 50, 360-368.	2.8	114
167	Fungal degradation of calcium-, lead- and silicon-bearing minerals. BioMetals, 2005, 18, 269-281.	4.1	85
168	Cadmium Accumulation and DNA Homology with Metal Resistance Genes in Sulfate-Reducing Bacteria. Applied and Environmental Microbiology, 2005, 71, 4610-4618.	3.1	74
169	Microorganisms in Toxic Metal-Polluted Soils. , 2005, , 325-356.		46
170	Mycotransformation of organic and inorganic substrates. The Mycologist, 2004, 18, 60-70.	0.4	78
171	The kinetics of 75[Se]-selenite uptake by Saccharomyces cerevisiae and the vacuolization response to high concentrations. Mycological Research, 2004, 108, 1415-1422.	2.5	32
172	Role of glutathione in detoxification of metal(loid)s by Saccharomyces cerevisiae. BioMetals, 2004, 17, 183-188.	4.1	70
173	Translocation of carbon by Rhizoctonia solani in nutritionally-heterogeneous microcosms. Mycological Research, 2004, 108, 453-462.	2.5	36
174	Analysis of microbial diversity in oligotrophic microbial fuel cells using 16S rDNA sequences. FEMS Microbiology Letters, 2004, 233, 77-82.	1.8	170
175	Microbial influence on metal mobility and application for bioremediation. Geoderma, 2004, 122, 109-109.	5.1	2
176	Microbial influence on metal mobility and application for bioremediation. Geoderma, 2004, 122, 109-119.	5.1	611
177	A mathematical process model for cadmium precipitation by sulfate-reducing bacterial biofilms. Biodegradation, 2003, 14, 139-151.	3.0	16
178	Nutritional influence on the ability of fungal mycelia to penetrate toxic metal-containing domains. Mycological Research, 2003, 107, 861-871.	2.5	57
179	Solubilization of insoluble inorganic zinc compounds by ericoid mycorrhizal fungi derived from heavy metal polluted sites. Soil Biology and Biochemistry, 2003, 35, 133-141.	8.8	149
180	Metal sorption by biomass of melanin-producing fungi grown in clay-containing medium. Journal of Chemical Technology and Biotechnology, 2003, 78, 23-34.	3.2	59

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181	Growth and Function of Fungal Mycelia in Heterogeneous Environments. Bulletin of Mathematical Biology, 2003, 65, 447-477.	1.9	83
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