

Axel Schippers

List of Publications by Year in descending order

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136
papers

8,595
citations

57752

44
h-index

48312

88
g-index

144
all docs

144
docs citations

144
times ranked

6959
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributions of Microbial Activities in Deep Subseafloor Sediments. <i>Science</i> , 2004, 306, 2216-2221.	12.6	681
2	Bacterial Leaching of Metal Sulfides Proceeds by Two Indirect Mechanisms via Thiosulfate or via Polysulfides and Sulfur. <i>Applied and Environmental Microbiology</i> , 1999, 65, 319-321.	3.1	678
3	(Bio)chemistry of bacterial leaching—direct vs. indirect bioleaching. <i>Hydrometallurgy</i> , 2001, 59, 159-175.	4.3	631
4	Progress in bioleaching: fundamentals and mechanisms of bacterial metal sulfide oxidation—part A. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 7529-7541.	3.6	509
5	Prokaryotic cells of the deep sub-seafloor biosphere identified as living bacteria. <i>Nature</i> , 2005, 433, 861-864.	27.8	413
6	Sulfur chemistry in bacterial leaching of pyrite. <i>Applied and Environmental Microbiology</i> , 1996, 62, 3424-3431.	3.1	318
7	Sulfur chemistry, biofilm, and the (in)direct attack mechanism ? a critical evaluation of bacterial leaching. <i>Applied Microbiology and Biotechnology</i> , 1995, 43, 961-966.	3.6	296
8	Biogeochemistry of pyrite and iron sulfide oxidation in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 85-92.	3.9	285
9	Oxidation of pyrite and iron sulfide by manganese dioxide in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 915-922.	3.9	182
10	Soil microbial community changes as a result of long-term exposure to a natural CO2 vent. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2697-2716.	3.9	156
11	The biogeochemistry and microbiology of sulfidic mine waste and bioleaching dumps and heaps, and novel Fe(II)-oxidizing bacteria. <i>Hydrometallurgy</i> , 2010, 104, 342-350.	4.3	147
12	Quantification of microbial communities in near-surface and deeply buried marine sediments on the Peru continental margin using real-time PCR. <i>Environmental Microbiology</i> , 2006, 8, 1251-1260.	3.8	144
13	Microbial diversity in uranium mine waste heaps. <i>Applied and Environmental Microbiology</i> , 1995, 61, 2930-2935.	3.1	135
14	Manganese-Cycling Microbial Communities Inside Deep-Sea Manganese Nodules. <i>Environmental Science & Technology</i> , 2015, 49, 7692-7700.	10.0	129
15	Aerobic and anaerobic methanotrophs in the Black Sea water column. <i>Environmental Microbiology</i> , 2006, 8, 1844-1856.	3.8	115
16	<i>Microbacterium oleivorans</i> sp. nov. and <i>Microbacterium hydrocarbonoxydans</i> sp. nov., novel crude-oil-degrading Gram-positive bacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 655-660.	1.7	112
17	Microbial Community Analysis of Opalinus Clay Drill Core Samples from the Mont Terri Underground Research Laboratory, Switzerland. <i>Geomicrobiology Journal</i> , 2007, 24, 1-17.	2.0	103
18	Biomining: Metal Recovery from Ores with Microorganisms. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 141, 1-47.	1.1	97

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19	Extracellular Polymeric Substances from <i>Bacillus subtilis</i> Associated with Minerals Modify the Extent and Rate of Heavy Metal Sorption. <i>Environmental Science & Technology</i> , 2012, 46, 3866-3873.	10.0	96
20	High abundance of JS-1- and <i>Chloroflexi</i> -related <i>Bacteria</i> in deeply buried marine sediments revealed by quantitative, real-time PCR. <i>FEMS Microbiology Ecology</i> , 2010, 72, 198-207.	2.7	95
21	Conventional and electrochemical bioleaching of chalcopyrite concentrates by moderately thermophilic bacteria at high pulp density. <i>Hydrometallurgy</i> , 2011, 106, 84-92.	4.3	94
22	Bacterial and chemical oxidation of pyritic mine tailings at low temperatures. <i>Journal of Contaminant Hydrology</i> , 2000, 41, 225-238.	3.3	92
23	Quantitative Microbial Community Analysis of Three Different Sulfidic Mine Tailing Dumps Generating Acid Mine Drainage. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5211-5219.	3.1	92
24	Intermediary sulfur compounds in pyrite oxidation: implications for bioleaching and biodepyritization of coal. <i>Applied Microbiology and Biotechnology</i> , 1999, 52, 104-110.	3.6	90
25	Microorganisms persist at record depths in the seafloor of the Canterbury Basin. <i>ISME Journal</i> , 2014, 8, 1370-1380.	9.8	90
26	Recovery of Nickel and Cobalt from Laterite Tailings by Reductive Dissolution under Aerobic Conditions Using <i>Acidithiobacillus</i> Species. <i>Environmental Science & Technology</i> , 2015, 49, 6674-6682.	10.0	88
27	Microbial and abiotic controls on mineral-associated organic matter in soil profiles along an ecosystem gradient. <i>Scientific Reports</i> , 2019, 9, 10294.	3.3	81
28	Microbial Methane Formation from Hard Coal and Timber in an Abandoned Coal Mine. <i>Geomicrobiology Journal</i> , 2008, 25, 315-321.	2.0	77
29	Formation of sequences of cemented layers and hardpans within sulfide-bearing mine tailings (mine) Tj ETQq1 1 0.784314 rgBT /Overbo	3.0	75
30	Microorganisms Involved in Bioleaching and Nucleic Acid-Based Molecular Methods for Their Identification and Quantification. , 2007, , 3-33.		75
31	Quantification of microbial communities in subsurface marine sediments of the Black Sea and off Namibia. <i>Frontiers in Microbiology</i> , 2012, 3, 16.	3.5	73
32	Microbial diversity at the moderate acidic stage in three different sulfidic mine tailings dumps generating acid mine drainage. <i>Research in Microbiology</i> , 2014, 165, 713-718.	2.1	73
33	Quantitative Monitoring of Microbial Species during Bioleaching of a Copper Concentrate. <i>Frontiers in Microbiology</i> , 2016, 07, 2044.	3.5	73
34	Subsurface microbiology and biogeochemistry of a deep, cold-water carbonate mound from the Porcupine Seabight (IODP Expedition 307). <i>Environmental Microbiology</i> , 2009, 11, 239-257.	3.8	68
35	<i>Nocardioides oleivorans</i> sp. nov., a novel crude-oil-degrading bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1501-1504.	1.7	66
36	Metal Mobilization by Iron- and Sulfur-Oxidizing Bacteria in a Multiple Extreme Mine Tailings in the Atacama Desert, Chile. <i>Environmental Science & Technology</i> , 2013, 47, 2189-2196.	10.0	66

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37	Manganese(II) oxidation driven by lateral oxygen intrusions in the western Black Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2241-2252.	3.9	61
38	Coalbed methane in the Ruhr Basin, Germany: a renewable energy resource?. <i>Organic Geochemistry</i> , 2004, 35, 1537-1549.	1.8	60
39	Subseafloor microbial communities associated with rapid turbidite deposition in the Gulf of Mexico continental slope (IODP Expedition 308). <i>FEMS Microbiology Ecology</i> , 2009, 69, 410-424.	2.7	55
40	Impact of natural organic matter coatings on the microbial reduction of iron oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 224, 223-248.	3.9	54
41	Biogeochemistry of metal sulfide oxidation in mining environments, sediments, and soils. , 2004, , .		52
42	Microbiological Pyrite Oxidation in a Mine Tailings Heap and Its Relevance to the Death of Vegetation. <i>Geomicrobiology Journal</i> , 2000, 17, 151-162.	2.0	51
43	Enhanced chalcopyrite dissolution in stirred tank reactors by temperature increase during bioleaching. <i>Hydrometallurgy</i> , 2018, 179, 125-131.	4.3	51
44	<i>Nocardopsis metallica</i> sp. nov., a metal-leaching actinomycete isolated from an alkaline slag dump. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 2291-2295.	1.7	47
45	Quantification of dissimilatory (bi)sulphite reductase gene expression in <i>Desulfobacterium autotrophicum</i> using real-time RT-PCR. <i>Environmental Microbiology</i> , 2003, 5, 660-671.	3.8	47
46	Real-Time PCR Quantification and Diversity Analysis of the Functional Genes <i>aprA</i> and <i>dsrA</i> of Sulfate-Reducing Prokaryotes in Marine Sediments of the Peru Continental Margin and the Black Sea. <i>Frontiers in Microbiology</i> , 2011, 2, 253.	3.5	47
47	The Deep Biosphere in Terrestrial Sediments in the Chesapeake Bay Area, Virginia, USA. <i>Frontiers in Microbiology</i> , 2011, 2, 156.	3.5	46
48	Bioleaching of cobalt from Cu/Co-rich sulfidic mine tailings from the polymetallic Rammelsberg mine, Germany. <i>Hydrometallurgy</i> , 2020, 197, 105443.	4.3	46
49	Microbial reduction of ferrihydrite-organic matter coprecipitates by <i>Shewanella putrefaciens</i> and <i>Geobacter metallireducens</i> in comparison to mediated electrochemical reduction. <i>Chemical Geology</i> , 2016, 447, 133-147.	3.3	43
50	Microbial community analysis of deeply buried marine sediments of the New Jersey shallow shelf (IODP Tj ETQq0 0.0rgBT /Overlock 10	2.7	41
51	Depth-related variability in viral communities in highly stratified sulfidic mine tailings. <i>Microbiome</i> , 2020, 8, 89.	11.1	41
52	Geomicrobiological investigation of two different mine waste tailings generating acid mine drainage. <i>Hydrometallurgy</i> , 2006, 83, 167-175.	4.3	40
53	Microbial Community Dynamics in Soil Depth Profiles Over 120,000 Years of Ecosystem Development. <i>Frontiers in Microbiology</i> , 2017, 8, 874.	3.5	40
54	<i>Nocardopsis metallica</i> sp. nov., a metal-leaching actinomycete isolated from an alkaline slag dump.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 2291-2295.	1.7	40

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55	Biogeochemical processes in a clay formation in situ experiment: Part D – Microbial analyses – Synthesis of results. <i>Applied Geochemistry</i> , 2011, 26, 980-989.	3.0	38
56	Quantification of Microbial Communities in Forearc Sediment Basins off Sumatra. <i>Geomicrobiology Journal</i> , 2010, 27, 170-182.	2.0	35
57	Long-term evaluation of acid rock drainage mitigation measures in large lysimeters. <i>Journal of Geochemical Exploration</i> , 2007, 92, 205-211.	3.2	34
58	Impact of microbial diversity and sulfur chemistry on safeguarding sulfidic mine waste. <i>Minerals Engineering</i> , 1996, 9, 1069-1079.	4.3	33
59	Determination of reaction energy values for biological pyrite oxidation by calorimetry. <i>Thermochimica Acta</i> , 1998, 309, 79-85.	2.7	33
60	Bioleaching of Kupferschiefer blackshale – A review including perspectives of the Ecometals project. <i>Minerals Engineering</i> , 2015, 75, 116-125.	4.3	33
61	Distribution of Acidophilic Microorganisms in Natural and Man-made Acidic Environments. <i>Current Issues in Molecular Biology</i> , 2021, 40, 25-48.	2.4	31
62	Geomicrobiological and geochemical investigation of a pyrrhotite-containing mine waste tailings dam near Selebi-Phikwe in Botswana. <i>Journal of Geochemical Exploration</i> , 2007, 92, 151-158.	3.2	30
63	Lignite ash: Waste material or potential resource - Investigation of metal recovery and utilization options. <i>Hydrometallurgy</i> , 2017, 168, 141-152.	4.3	30
64	Microbial utilization of mineral-associated nitrogen in soils. <i>Soil Biology and Biochemistry</i> , 2017, 104, 185-196.	8.8	30
65	Hydrothermal chimneys host habitat-specific microbial communities: analogues for studying the possible impact of mining seafloor massive sulfide deposits. <i>Scientific Reports</i> , 2018, 8, 10386.	3.3	30
66	Microbial Community Stratification Controlled by the Subseafloor Fluid Flow and Geothermal Gradient at the Iheya North Hydrothermal Field in the Mid-Okinawa Trough (Integrated Ocean Drilling) Tj ETQq0 0 0 BT /Overd		10 T
67	Mineralogical impact on long-term patterns of soil nitrogen and phosphorus enzyme activities. <i>Soil Biology and Biochemistry</i> , 2014, 68, 31-43.	8.8	29
68	Inorganic carbon fixation by sulfate-reducing bacteria in the Black Sea water column. <i>Environmental Microbiology</i> , 2007, 9, 3019-3024.	3.8	28
69	Insight Into Interactions of Thermoacidophilic Archaea With Elemental Sulfur: Biofilm Dynamics and EPS Analysis. <i>Frontiers in Microbiology</i> , 2019, 10, 896.	3.5	28
70	Anaerobic and aerobic reductive dissolutions of iron-rich nickel laterite overburden by <i>Acidithiobacillus</i> . <i>Hydrometallurgy</i> , 2017, 168, 49-55.	4.3	27
71	Anaerobic Oxidation of Methane at a Marine Methane Seep in a Forearc Sediment Basin off Sumatra, Indian Ocean. <i>Frontiers in Microbiology</i> , 2011, 2, 249.	3.5	26
72	Fractionation of Fe and Cu isotopes in acid mine tailings: Modification and application of a sequential extraction method. <i>Chemical Geology</i> , 2018, 493, 67-79.	3.3	25

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73	Making sticky cells: effect of galactose and ferrous iron on the attachment of <i>Leptospirillum ferrooxidans</i> to mineral surfaces. <i>Research in Microbiology</i> , 2018, 169, 569-575.	2.1	24
74	Electrochemical investigation of chalcopyrite (bio)leaching residues. <i>Hydrometallurgy</i> , 2019, 187, 8-17.	4.3	24
75	The use of FISH and real-time PCR to monitor the biooxidation and cyanidation for gold and silver recovery from a mine tailings concentrate (Ticapampa, Peru). <i>Hydrometallurgy</i> , 2008, 94, 77-81.	4.3	23
76	Iron Isotope Fractionation by Biogeochemical Processes in Mine Tailings. <i>Environmental Science & Technology</i> , 2008, 42, 1117-1122.	10.0	23
77	Coalbed methane in the Ruhr Basin, Germany: a renewable energy resource?. <i>Organic Geochemistry</i> , 2004, 35, 1537-1549.	1.8	22
78	Evaluation of the efficiency of measures for sulphidic mine waste mitigation. <i>Applied Microbiology and Biotechnology</i> , 1998, 49, 698-701.	3.6	21
79	Diversity of Iron Oxidizing Bacteria from Various Sulfidic Mine Waste Dumps. <i>Advanced Materials Research</i> , 0, 71-73, 47-50.	0.3	20
80	Implementation of biological and chemical techniques to recover metals from copper-rich leach solutions. <i>Hydrometallurgy</i> , 2018, 179, 274-281.	4.3	20
81	A novel electrically enhanced biosynthesis of copper sulfide Nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 250-255.	4.0	18
82	Inter-laboratory quantification of Bacteria and Archaea in deeply buried sediments of the Baltic Sea (IODP Expedition 347). <i>FEMS Microbiology Ecology</i> , 2017, 93, fix007.	2.7	18
83	Defining boundaries for the distribution of microbial communities beneath the sediment-buried, hydrothermally active seafloor. <i>ISME Journal</i> , 2017, 11, 529-542.	9.8	18
84	Sphalerite bioleaching comparison in shake flasks and percolators. <i>Minerals Engineering</i> , 2019, 132, 251-257.	4.3	18
85	Distribution of scandium in red mud and extraction using <i>Gluconobacter oxydans</i> . <i>Hydrometallurgy</i> , 2021, 202, 105621.	4.3	17
86	Experimental Microbial Alteration and Fe Mobilization From Basaltic Rocks of the ICDP HSDP2 Drill Core, Hilo, Hawaii. <i>Frontiers in Microbiology</i> , 2018, 9, 1252.	3.5	15
87	Biosorption of Rare Earth Elements by Different Microorganisms in Acidic Solutions. <i>Metals</i> , 2020, 10, 954.	2.3	15
88	An Integrated Process for Innovative Extraction of Metals from Kupferschiefer Mine Dumps, Germany. <i>Chemie-Ingenieur-Technik</i> , 2012, 84, 1694-1703.	0.8	14
89	Effect of elevated pressure on ferric iron reduction coupled to sulfur oxidation by biomining microorganisms. <i>Hydrometallurgy</i> , 2018, 178, 215-223.	4.3	14
90	Large-scale experiments for microbiological evaluation of measures for safeguarding sulfidic mine waste. <i>Waste Management</i> , 2001, 21, 139-146.	7.4	13

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91	Editorial: Recent Advances in Acidophile Microbiology: Fundamentals and Applications. <i>Frontiers in Microbiology</i> , 2017, 8, 428.	3.5	13
92	Stirred-tank bioleaching of copper and cobalt from mine tailings in Chile. <i>Minerals Engineering</i> , 2022, 180, 107514.	4.3	13
93	Approaches for Eliminating Bacteria Introduced during <i>In Situ</i>; Bioleaching of Fractured Sulfidic Ores in Deep Subsurface. <i>Solid State Phenomena</i> , 0, 262, 70-74.	0.3	12
94	Distinct pattern of nitrogen functional gene abundances in top- and subsoils along a 120,000-year ecosystem development gradient. <i>Soil Biology and Biochemistry</i> , 2019, 132, 111-119.	8.8	12
95	Bioprocessing of oxidized platinum group element (PGE) ores as pre-treatment for efficient chemical extraction of PGE. <i>Hydrometallurgy</i> , 2020, 196, 105419.	4.3	12
96	Effect of mineralogy on Co and Ni extraction from Brazilian limonitic laterites via bioleaching and chemical leaching. <i>Minerals Engineering</i> , 2022, 184, 107604.	4.3	12
97	Microbial Community Compositions and Geochemistry of Sediments with Increasing Distance to the Hydrothermal Vent Outlet in the Kairei Field. <i>Geomicrobiology Journal</i> , 2020, 37, 242-254.	2.0	11
98	Metallgewinnung mittels Geobiotechnologie. <i>Chemie-Ingenieur-Technik</i> , 2017, 89, 29-39.	0.8	10
99	Mineralogical distribution of base metal sulfides in processing products of black shale-hosted Kupferschiefer-type ore. <i>Minerals Engineering</i> , 2018, 119, 23-30.	4.3	10
100	<i>Sulfobacillus harzensis</i> sp. nov., an acidophilic bacterium inhabiting mine tailings from a polymetallic mine. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	10
101	Red mud regulates arsenic fate at acidic pH via regulating arsenopyrite bio-oxidation and S, Fe, Al, Si speciation transformation. <i>Water Research</i> , 2021, 203, 117539.	11.3	10
102	Deep subsurface microbiology: a guide to the research topic papers. <i>Frontiers in Microbiology</i> , 2013, 4, 122.	3.5	10
103	Electrochemical Applications in Metal Bioleaching. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2017, 167, 327-359.	1.1	9
104	Bioleaching. , 2005, , 405-412.		7
105	Complexity of clay mineral formation during 120,000 years of soil development along the Franz Josef chronosequence, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2017, 60, 23-35.	1.8	7
106	SEM study of the early stages of Fe-bentonite corrosionâ€”The role of naturally present reactive silica. <i>Corrosion Science</i> , 2020, 171, 108716.	6.6	7
107	Bioleaching of Copper Slag Material. <i>Solid State Phenomena</i> , 2017, 262, 61-64.	0.3	5
108	Far from equilibrium basaltic glass alteration: The influence of Fe redox state and thermal history on element mobilization. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 85-98.	3.9	5

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109	Extraction of REEs from Blast Furnace Slag by <i>Gluconobacter oxydans</i> . <i>Minerals</i> (Basel, Switzerland), 2022, 12, 701.	2.0	5
110	Quantification of Microorganisms Involved in Cemented Layer Formation in Sulfidic Mine Waste Tailings (Freiberg, Saxony, Germany). <i>Advanced Materials Research</i> , 2007, 20-21, 481-484.	0.3	4
111	Reduction of Iron(III) Ions at Elevated Pressure by Acidophilic Microorganisms. <i>Solid State Phenomena</i> , 2017, 262, 88-92.	0.3	4
112	Potential mobilizable Fe from secondary phases of differentially altered subsurface basaltic rock – a sequential extraction study on ICDP site Hawaii. <i>Applied Geochemistry</i> , 2020, 121, 104705.	3.0	4
113	<i>Deltaproteobacterium</i> Strain KaireiS1, a Mesophilic, Hydrogen-Oxidizing and Sulfate-Reducing Bacterium From an Inactive Deep-Sea Hydrothermal Chimney. <i>Frontiers in Microbiology</i> , 2021, 12, 686276.	3.5	4
114	Biooxidation and Cyanidation for Gold and Silver Recovery from Acid Mine Drainage Generating Tailings (Ticapampa, Peru). <i>Advanced Materials Research</i> , 2007, 20-21, 91-94.	0.3	3
115	Geomicrobiology of Sulfidic Mine Dumps: A Short Review. <i>Advanced Materials Research</i> , 2009, 71-73, 37-41.	0.3	3
116	Effect of Galactose on EPS Production and Attachment of <i>Acidithiobacillus thiooxidans</i> to Mineral Surfaces. <i>Solid State Phenomena</i> , 0, 262, 476-481.	0.3	3
117	Microbial Community Analysis inside a Biooxidation Heap for Gold Recovery in Ecuador. <i>Solid State Phenomena</i> , 2017, 262, 135-138.	0.3	3
118	Effect of Temperature Ramping on Stirred Tank Bioleaching of a Copper Concentrate. <i>Solid State Phenomena</i> , 0, 262, 3-6.	0.3	3
119	Options for Hydrometallurgical Treatment of Ni-Co Lateritic Ores for Sustainable Supply of Nickel and Cobalt for European Battery Industry from South-Eastern Europe and Turkey. <i>Metals</i> , 2022, 12, 807.	2.3	3
120	Large-scale experiments for safe-guarding mine waste and preventing acid rock drainage. <i>Process Metallurgy</i> , 1999, , 749-758.	0.1	2
121	Copper Recovery by Bioleaching of Chalcopyrite: A Microcalorimetric Approach for the Fast Determination of Bioleaching Activity. <i>Advanced Materials Research</i> , 0, 825, 322-325.	0.3	2
122	Selective Chemical and Biological Metal Recovery from Cu-Rich Bioleaching Solutions. <i>Solid State Phenomena</i> , 2017, 262, 107-112.	0.3	2
123	Electrochemical Process Engineering in Biohydrometallurgical Metal Recovery from Mineral Sulfides. <i>Solid State Phenomena</i> , 2017, 262, 118-121.	0.3	2
124	Pilot experiments to reduce environmental pollution caused by acid rock drainage. <i>Process Metallurgy</i> , 1999, 9, 741-747.	0.1	1
125	17th International Biohydrometallurgy Symposium, IBS2007, Frankfurt a. M., Germany, 2 nd – 5 September 2007. <i>Hydrometallurgy</i> , 2008, 94, 1.	4.3	1
126	Biogenesis of Nanoparticles with Potential Applications as Semiconductor from Chalcopyrite Concentrate. <i>Advanced Materials Research</i> , 2013, 825, 92-95.	0.3	1

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127	Quantification of the Microbial Community in Lateritic Deposits. <i>Advanced Materials Research</i> , 2013, 825, 33-36.	0.3	1
128	Development of a Strategy for Selective Metal Recovery from Pregnant Leach Solutions of Kupferschiefer Bioleaching. <i>Advanced Materials Research</i> , 0, 1130, 255-258.	0.3	1
129	Deep Biosphere. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 144-155.	0.1	1
130	Iron Isotope Fractionation by Biogeochemical Processes in Mine Tailings. <i>Advanced Materials Research</i> , 2007, 20-21, 237-237.	0.3	0
131	Bioleaching of a Marine Hydrothermal Sulfide Ore with Mesophiles, Moderate Thermophiles and Thermophiles. <i>Advanced Materials Research</i> , 2013, 825, 229-232.	0.3	0
132	Comparative Bioleaching and Mineralogical Characterization of Black Shale-Hosted Ores and Corresponding Flotation Concentrates. <i>Solid State Phenomena</i> , 0, 262, 139-142.	0.3	0
133	Using Flexible Gold-Titanium Reaction Cells to Simulate Pressure-Dependent Microbial Activity in the Context of Subsurface Biomining. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	0
134	Deep Biosphere. , 2014, , 1-20.		0
135	Deep Biosphere. , 2015, , 1-19.		0
136	CO ₂ BioPermâ€™Influence of Bio-geochemical CO ₂ -Transformation Processes on the Long-Term Permeability. <i>Advanced Technologies in Earth Sciences</i> , 2015, , 73-96.	0.9	0