

Jaakko A Puhakka

List of Publications by Year in descending order

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225
papers

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228
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228
times ranked

7107
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#	ARTICLE	IF	CITATIONS
1	Sulfate Reduction Based Bioprocesses for the Treatment of Acid Mine Drainage and the Recovery of Metals. <i>Engineering in Life Sciences</i> , 2007, 7, 541-564.	2.0	292
2	Software for quantification of labeled bacteria from digital microscope images by automated image analysis. <i>BioTechniques</i> , 2005, 39, 859-863.	0.8	230
3	Optimization of metal sulphide precipitation in fluidized-bed treatment of acidic wastewater. <i>Water Research</i> , 2003, 37, 255-266.	5.3	198
4	Microbial electrochemical technologies with the perspective of harnessing bioenergy: Maneuvering towards upscaling. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 462-476.	8.2	180
5	Biogenic hydrogen and methane production from <i>Chlorella vulgaris</i> and <i>Dunaliella tertiolecta</i> biomass. <i>Biotechnology for Biofuels</i> , 2011, 4, 34.	6.2	158
6	Effect of Hydrogen on Reductive Dechlorination of Chlorinated Ethenes. <i>Environmental Science & Technology</i> , 1997, 31, 1728-1734.	4.6	156
7	Effects of hydraulic retention time and sulfide toxicity on ethanol and acetate oxidation in sulfate-reducing metal-precipitating fluidized-bed reactor. <i>Biotechnology and Bioengineering</i> , 2004, 86, 332-343.	1.7	150
8	Isolation and Characterization of <i>Novosphingobium</i> sp. Strain MT1, a Dominant Polychlorophenol-Degrading Strain in a Groundwater Bioremediation System. <i>Applied and Environmental Microbiology</i> , 2002, 68, 173-180.	1.4	145
9	Phytoremediation of subarctic soil contaminated with diesel fuel. <i>Bioresource Technology</i> , 2002, 84, 221-228.	4.8	134
10	Anaerobic treatment in pulp- and paper-mill waste management: A review. <i>Bioresource Technology</i> , 1994, 47, 1-18.	4.8	129
11	Dark fermentative hydrogen production from lignocellulosic hydrolyzates – A review. <i>Biomass and Bioenergy</i> , 2014, 67, 145-159.	2.9	124
12	Simple organic electron donors support diverse sulfate-reducing communities in fluidized-bed reactors treating acidic metal- and sulfate-containing wastewater. <i>FEMS Microbiology Ecology</i> , 2004, 47, 279-289.	1.3	117
13	The relationship between instability of H ₂ production and compositions of bacterial communities within a dark fermentation fluidised-bed bioreactor. <i>Biotechnology and Bioengineering</i> , 2007, 97, 742-758.	1.7	115
14	Anaerobic conversion of microalgal biomass to sustainable energy carriers – A review. <i>Bioresource Technology</i> , 2013, 135, 222-231.	4.8	115
15	Acid bioleaching of solid waste materials from copper, steel and recycling industries. <i>Hydrometallurgy</i> , 2010, 103, 74-79.	1.8	114
16	Performance and ethanol oxidation kinetics of a sulfate-reducing fluidized-bed reactor treating acidic metal-containing wastewater. <i>Biodegradation</i> , 2003, 14, 207-217.	1.5	108
17	High rate autotrophic denitrification in fluidized-bed biofilm reactors. <i>Chemical Engineering Journal</i> , 2016, 284, 1287-1294.	6.6	104
18	On-site biological remediation of contaminated groundwater: a review. <i>Environmental Pollution</i> , 2000, 107, 187-197.	3.7	103

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19	Enhancement of anaerobic hydrogen production by iron and nickel. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8554-8560.	3.8	98
20	Heap bioleaching of a complex sulfide ore. <i>Hydrometallurgy</i> , 2009, 98, 92-100.	1.8	94
21	Diversity of chlorophenol-degrading bacteria isolated from contaminated boreal groundwater. <i>Archives of Microbiology</i> , 1999, 171, 189-197.	1.0	85
22	Seasonal and diurnal variations of temperature, pH and dissolved oxygen in advanced integrated wastewater pond system [®] treating tannery effluent. <i>Water Research</i> , 2004, 38, 645-654.	5.3	80
23	Ethanol and hydrogen production by two thermophilic, anaerobic bacteria isolated from Icelandic geothermal areas. <i>Biotechnology and Bioengineering</i> , 2008, 101, 679-690.	1.7	79
24	Silicate mineral dissolution during heap bioleaching. <i>Biotechnology and Bioengineering</i> , 2008, 99, 811-820.	1.7	78
25	Growth of <i>Chlorella vulgaris</i> and associated bacteria in photobioreactors. <i>Microbial Biotechnology</i> , 2012, 5, 69-78.	2.0	77
26	Fermentative hydrogen production by <i>Clostridium butyricum</i> and <i>Escherichia coli</i> in pure and cocultures. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 10701-10708.	3.8	76
27	Transformations of 1,1,2,2-Tetrachloroethane under Methanogenic Conditions. <i>Environmental Science & Technology</i> , 1996, 30, 542-547.	4.6	73
28	Bioleaching and recovery of metals from final slag waste of the copper smelting industry. <i>Minerals Engineering</i> , 2011, 24, 1113-1121.	1.8	73
29	Profiling of bacterial community in a full-scale aerobic composting plant. <i>International Biodeterioration and Biodegradation</i> , 2013, 77, 85-90.	1.9	72
30	Chlorophenol toxicity removal and monitoring in aerobic treatment: recovery from process upsets. <i>Environmental Science & Technology</i> , 1993, 27, 1434-1439.	4.6	71
31	High-rate ferric sulfate generation by a <i>Leptospirillum ferriphilum</i> -dominated biofilm and the role of jarosite in biomass retainment in a fluidized-bed reactor. <i>Biotechnology and Bioengineering</i> , 2004, 85, 683-694.	1.7	71
32	High-rate ferric sulfate generation by a <i>Leptospirillum ferriphilum</i> -dominated biofilm and the role of jarosite in biomass retainment in a fluidized-bed reactor. <i>Biotechnology and Bioengineering</i> , 2004, 85, 697-705.	1.7	68
33	The performance, kinetics and microbiology of sulfidogenic fluidized-bed treatment of acidic metal- and sulfate-containing wastewater. <i>Hydrometallurgy</i> , 2006, 83, 204-213.	1.8	67
34	Arsenic removal from acidic solutions with biogenic ferric precipitates. <i>Journal of Hazardous Materials</i> , 2016, 306, 124-132.	6.5	67
35	Electricity generation from tetrathionate in microbial fuel cells by acidophiles. <i>Journal of Hazardous Materials</i> , 2015, 284, 182-189.	6.5	62
36	Effects of electron donors and inhibitors on reductive dechlorination of 2,4,6-trichlorophenol. <i>Water Research</i> , 1994, 28, 2101-2107.	5.3	60

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37	High efficiency hydrogen production by an anaerobic, thermophilic enrichment culture from an Icelandic hot spring. <i>Biotechnology and Bioengineering</i> , 2008, 101, 665-678.	1.7	60
38	Aerobic fluidized-bed treatment of polychlorinated phenolic wood preservative constituents. <i>Water Research</i> , 1992, 26, 765-770.	5.3	58
39	High-Rate Bioremediation of Chlorophenol-Contaminated Groundwater at Low Temperatures. <i>Environmental Science & Technology</i> , 1994, 28, 2387-2392.	4.6	58
40	Production of Electricity and Butanol from Microalgal Biomass in Microbial Fuel Cells. <i>Bioenergy Research</i> , 2012, 5, 481-491.	2.2	57
41	Degradation of 2,3,4,6-tetrachlorophenol at low temperature and low dioxygen concentrations by phylogenetically different groundwater and bioreactor bacteria. <i>Biodegradation</i> , 2001, 12, 291-301.	1.5	55
42	Field-Scale Assessment of Phytotreatment of Soil Contaminated with Weathered Hydrocarbons and Heavy Metals (9 pp). <i>Journal of Soils and Sediments</i> , 2006, 6, 128-136.	1.5	55
43	Bioprospecting Thermophilic Microorganisms from Icelandic Hot Springs for Hydrogen and Ethanol Production. <i>Energy & Fuels</i> , 2008, 22, 134-140.	2.5	55
44	Thermophilic biohydrogen production by an anaerobic heat treated-hot spring culture. <i>Bioresource Technology</i> , 2009, 100, 5790-5795.	4.8	55
45	<i>Desulfotomaculum thermosubterraneum</i> sp. nov., a thermophilic sulfate-reducer isolated from an underground mine located in a geothermally active area. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2603-2608.	0.8	54
46	Effect of Na-chloride on the bioleaching of a chalcopyrite concentrate in shake flasks and stirred tank bioreactors. <i>Hydrometallurgy</i> , 2013, 138, 1-13.	1.8	54
47	Power generation in fed-batch and continuous up-flow microbial fuel cell from synthetic wastewater. <i>Energy</i> , 2015, 91, 235-241.	4.5	54
48	Fluidized bed bioreactor for multiple environmental engineering solutions. <i>Water Research</i> , 2019, 150, 452-465.	5.3	54
49	Reductive Dechlorination of Aroclor 1254 by Marine Sediment Cultures. <i>Environmental Science & Technology</i> , 1994, 28, 2286-2294.	4.6	52
50	<i>Desulfurispora thermophila</i> gen. nov., sp. nov., a thermophilic, spore-forming sulfate-reducer isolated from a sulfidogenic fluidized-bed reactor. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1089-1094.	0.8	51
51	Direction of glucose fermentation towards hydrogen or ethanol production through on-line pH control. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10245-10251.	3.8	50
52	In situ polychlorophenol bioremediation potential of the indigenous bacterial community of boreal groundwater. <i>Water Research</i> , 2001, 35, 2496-2504.	5.3	49
53	Effect of changing temperature on anaerobic hydrogen production and microbial community composition in an open-mixed culture bioreactor. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10954-10959.	3.8	49
54	Chalcopyrite concentrate leaching with biologically produced ferric sulphate. <i>Bioresource Technology</i> , 2006, 97, 1727-1734.	4.8	47

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55	Chemical and bacterial leaching of metals from a smelter slag in acid solutions. <i>Hydrometallurgy</i> , 2016, 159, 46-53.	1.8	47
56	Culturable Diversity and Community Fatty Acid Profiling of Sulfate-Reducing Fluidized-Bed Reactors Treating Acidic, Metal-Containing Wastewater. <i>Geomicrobiology Journal</i> , 2004, 21, 469-480.	1.0	46
57	Heap bioleaching of a complex sulfide ore: Part II. Effect of temperature on base metal extraction and bacterial compositions. <i>Hydrometallurgy</i> , 2009, 98, 101-107.	1.8	46
58	Effect of Modified Fenton's Reaction on Microbial Activity and Removal of PAHs in Creosote Oil Contaminated Soil. <i>Biodegradation</i> , 2006, 17, 29-39.	1.5	45
59	Biooxidation and precipitation for iron and sulfate removal from heap bioleaching effluent streams. <i>Hydrometallurgy</i> , 2010, 101, 7-14.	1.8	45
60	Biogenic hydrogen and methane production from reed canary grass. <i>Biomass and Bioenergy</i> , 2011, 35, 773-780.	2.9	45
61	EFFECTS OF TEMPERATURE ON CHLOROPHENOL BIODEGRADATION KINETICS IN FLUIDIZED-BED REACTORS WITH DIFFERENT BIOMASS CARRIERS. <i>Water Research</i> , 1998, 32, 81-90.	5.3	43
62	Mineral and iron oxidation at low temperatures by pure and mixed cultures of acidophilic microorganisms. <i>Biotechnology and Bioengineering</i> , 2007, 97, 1205-1215.	1.7	43
63	Dark fermentative hydrogen production from xylose by a hot spring enrichment culture. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12234-12240.	3.8	43
64	Fluidized-bed denitrification for mine waters. Part I: low pH and temperature operation. <i>Biodegradation</i> , 2014, 25, 425-435.	1.5	43
65	Natural organic matter (NOM) removal and structural changes in the bacterial community during artificial groundwater recharge with humic lake water. <i>Water Research</i> , 2007, 41, 2715-2725.	5.3	42
66	High-rate thiosulfate-driven denitrification at pH lower than 5 in fluidized-bed reactor. <i>Chemical Engineering Journal</i> , 2017, 310, 282-291.	6.6	42
67	High-rate iron oxidation at below pH 1 and at elevated iron and copper concentrations by a <i>Leptospirillum ferriphilum</i> dominated biofilm. <i>Process Biochemistry</i> , 2005, 40, 3536-3541.	1.8	41
68	Lime enhanced chromium removal in advanced integrated wastewater pond system. <i>Bioresource Technology</i> , 2006, 97, 529-534.	4.8	41
69	Microbial community structure in anaerobic co-digestion of grass silage and cow manure in a laboratory continuously stirred tank reactor. <i>Biodegradation</i> , 2010, 21, 135-146.	1.5	41
70	Eukaryotic and prokaryotic microbial communities during microalgal biomass production. <i>Bioresource Technology</i> , 2012, 124, 387-393.	4.8	41
71	Selecting an indigenous microalgal strain for lipid production in anaerobically treated piggery wastewater. <i>Bioresource Technology</i> , 2015, 191, 369-376.	4.8	41
72	Metal biorecovery in acid solutions from a copper smelter slag. <i>Hydrometallurgy</i> , 2017, 168, 135-140.	1.8	41

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73	Immobilized Cell Degradation of Chlorophenols. <i>Journal of Environmental Engineering, ASCE</i> , 1990, 116, 683-697.	0.7	40
74	Resistance of EDTA and DTPA to aerobic biodegradation. <i>Water Science and Technology</i> , 1997, 35, 25.	1.2	40
75	Oxidation of elemental sulfur, tetrathionate and ferrous iron by the psychrotolerant <i>Acidithiobacillus</i> strain SS3. <i>Research in Microbiology</i> , 2009, 160, 767-774.	1.0	40
76	Effect of arsenic on nitrification of simulated mining water. <i>Bioresource Technology</i> , 2014, 164, 149-154.	4.8	40
77	Fluidized-bed denitrification of mining water tolerates high nickel concentrations. <i>Bioresource Technology</i> , 2015, 179, 284-290.	4.8	40
78	Biodegradation of chlorophenols by mixed and pure cultures from a fluidized-bed reactor. <i>Applied Microbiology and Biotechnology</i> , 1995, 42, 951-957.	1.7	39
79	Novel Thermophilic Sulfate-Reducing Bacteria from a Geothermally Active Underground Mine in Japan. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3759-3762.	1.4	39
80	Energy Demands of Nitrogen Supply in Mass Cultivation of Two Commercially Important Microalgal Species, <i>Chlorella vulgaris</i> and <i>Dunaliella tertiolecta</i> . <i>Bioenergy Research</i> , 2012, 5, 669-684.	2.2	39
81	Sulfate Reduction Potential in Sediments in the Norilsk Mining Area, Northern Siberia. <i>Geomicrobiology Journal</i> , 2005, 22, 11-25.	1.0	38
82	Chlorophenol Degradation under Oxic and Anoxic Conditions. <i>Water Science and Technology</i> , 1992, 25, 147-152.	1.2	37
83	Sulfidogenic fluidized-bed treatment of metal-containing wastewater at low and high temperatures. <i>Biotechnology and Bioengineering</i> , 2007, 96, 1064-1072.	1.7	37
84	Biological hydrogen sulfide production in an ethanol lactate fed fluidized-bed bioreactor. <i>Bioresource Technology</i> , 2010, 101, 276-284.	4.8	37
85	Microbial community dynamics during a demonstration-scale bioheap leaching operation. <i>Hydrometallurgy</i> , 2012, 125-126, 34-41.	1.8	37
86	Treatment of PAH-contaminated soil by combination of Fenton's reaction and biodegradation. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 598-607.	1.6	36
87	Sulfidogenic fluidized-bed treatment of metal-containing wastewater at 8 and 65°C temperatures is limited by acetate oxidation. <i>Water Research</i> , 2007, 41, 2706-2714.	5.3	36
88	Impact of crop species on bacterial community structure during anaerobic co-digestion of crops and cow manure. <i>Bioresource Technology</i> , 2009, 100, 2311-2315.	4.8	36
89	Hydrogenic and methanogenic fermentation of birch and conifer pulps. <i>Applied Energy</i> , 2012, 100, 58-65.	5.1	36
90	Iron oxidation and precipitation in a simulated heap leaching solution in a <i>Leptospirillum ferriphilum</i> dominated biofilm reactor. <i>Hydrometallurgy</i> , 2007, 88, 67-74.	1.8	34

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91	Thermophilic hydrogen production from cellulose with rumen fluid enrichment cultures: Effects of different heat treatments. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1482-1490.	3.8	34
92	Anaerobic treatment of kraft pulp-mill waste activated-sludge: Gas production and solids reduction. <i>Bioresource Technology</i> , 1992, 39, 61-68.	4.8	33
93	Effects of fluid-flow velocity and water quality on planktonic and sessile microbial growth in water hydraulic system. <i>Water Research</i> , 2002, 36, 3812-3820.	5.3	33
94	Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell. <i>Chemical Engineering Journal</i> , 2019, 372, 141-150.	6.6	33
95	Silage supports sulfate reduction in the treatment of metals- and sulfate-containing waste waters. <i>Water Research</i> , 2010, 44, 4932-4939.	5.3	32
96	Effects of heat treatment on hydrogen production potential and microbial community of thermophilic compost enrichment cultures. <i>Bioresource Technology</i> , 2011, 102, 4501-4506.	4.8	32
97	Simultaneous nutrient removal and lipid production with <i>Chlorella vulgaris</i> on sterilized and non-sterilized anaerobically pretreated piggery wastewater. <i>Biochemical Engineering Journal</i> , 2015, 103, 177-184.	1.8	32
98	Quantitative monitoring of a hydrogen-producing <i>Clostridium butyricum</i> strain from a continuous-flow, mixed culture bioreactor employing real-time PCR. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 542-549.	3.8	31
99	Characterization of jarosites produced by chemical synthesis over a temperature gradient from 2 to 40°C. <i>International Journal of Mineral Processing</i> , 2010, 94, 121-128.	2.6	31
100	Metabolic and phylogenetic analysis of microbial communities during phytoremediation of soil contaminated with weathered hydrocarbons and heavy metals. <i>Biodegradation</i> , 2007, 18, 769-782.	1.5	30
101	Fluidized-bed denitrification for mine waters. Part II: effects of Ni and Co. <i>Biodegradation</i> , 2014, 25, 417-23.	1.5	30
102	Moderately thermophilic iron oxidising bacteria isolated from a pyritic coal deposit showing spontaneous combustion. <i>Minerals Engineering</i> , 2002, 15, 815-822.	1.8	29
103	Chloride-promoted leaching of chalcopyrite concentrate by biologically-produced ferric sulfate. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 830-834.	1.6	29
104	<i>Desulfoviregula thermocuniculi</i> gen. nov., sp. nov., a thermophilic sulfate-reducer isolated from a geothermal underground mine in Japan. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 98-102.	0.8	29
105	Silage as source of bacteria and electrons for dark fermentative hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15518-15524.	3.8	28
106	Kinetics of iron oxidation by <i>Leptospirillum ferriphilum</i> dominated culture at pH below one. <i>Biotechnology and Bioengineering</i> , 2007, 97, 1121-1127.	1.7	27
107	Low-temperature (9°C) AMD treatment in a sulfidogenic bioreactor dominated by a mesophilic <i>Desulfomicrobium</i> species. <i>Biotechnology and Bioengineering</i> , 2009, 104, 740-751.	1.7	27
108	Process for biological oxidation and control of dissolved iron in bioleach liquors. <i>Process Biochemistry</i> , 2009, 44, 1315-1322.	1.8	27

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109	Mine wastewater treatment using <i>Phalaris arundinacea</i> plant material hydrolyzate as substrate for sulfate-reducing bioreactor. <i>Bioresource Technology</i> , 2010, 101, 3931-3939.	4.8	27
110	Precipitation of Cu-Sulfides by Copper-Tolerant <i>Desulfovibrio</i> Isolates. <i>Geomicrobiology Journal</i> , 2008, 25, 219-227.	1.0	26
111	Sequential Anaerobic Dechlorination of Pentachlorophenol: A Competitive Inhibition Effects and a Kinetic Model. <i>Environmental Science & Technology</i> , 1999, 33, 1604-1611.	4.6	25
112	Biodegradation of selected UV-irradiated and non-irradiated polycyclic aromatic hydrocarbons (PAHs). <i>Biodegradation</i> , 2003, 14, 249-263.	1.5	25
113	Inhibition kinetics of iron oxidation by <i>Leptospirillum ferriphilum</i> in the presence of ferric, nickel and zinc ions. <i>Hydrometallurgy</i> , 2009, 97, 137-145.	1.8	25
114	Temperature- and growth-phase-regulated changes in lipid fatty acid structures of psychrotolerant groundwater Proteobacteria. <i>Archives of Microbiology</i> , 2001, 177, 41-46.	1.0	24
115	The isolation and use of iron-oxidizing, moderately thermophilic acidophiles from the Collie coal mine for the generation of ferric iron leaching solution. <i>Applied Microbiology and Biotechnology</i> , 2003, 60, 748-753.	1.7	24
116	<i>Desulfotomaculum alcoholivorax</i> sp. nov., a moderately thermophilic, spore-forming, sulfate-reducer isolated from a fluidized-bed reactor treating acidic metal- and sulfate-containing wastewater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 833-838.	0.8	24
117	Bacteria of the sulfur cycle in the sediments of gold mine tailings, Kuznetsk Basin, Russia. <i>Microbiology</i> , 2009, 78, 483-491.	0.5	23
118	Effect of hydraulic retention time on continuous electricity production from xylose in up-flow microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 27494-27501.	3.8	23
119	Fluidized-bed biofilms for chlorophenol mineralization. <i>Water Science and Technology</i> , 1995, 31, 227-235.	1.2	23
120	Dechlorination of 2,4,6-trichlorophenol by a nitrifying biofilm. <i>Water Research</i> , 1993, 27, 757-767.	5.3	22
121	Pentachlorophenol biodegradation kinetics of an oligotrophic fluidized-bed enrichment culture. <i>Applied Microbiology and Biotechnology</i> , 1997, 47, 675-682.	1.7	22
122	Extracellular enzyme activities and nutrient availability during artificial groundwater recharge. <i>Water Research</i> , 2009, 43, 405-416.	5.3	22
123	Bioelectricity production on xylose with a compost enrichment culture. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15606-15612.	3.8	22
124	Enhancing the activity of iron-oxidising bacteria: A case study with process liquors from heap bioleaching of a complex sulphide ore. <i>Hydrometallurgy</i> , 2017, 167, 163-172.	1.8	22
125	Bioremediation of chlorophenol contaminated ground water. <i>Environmental Technology (United Kingdom)</i> , 2001, 22, 1141-1146.	1.2	21
126	Metabolic responses of microbiota to diesel fuel addition in vegetated soil. <i>Biodegradation</i> , 2005, 16, 91-101.	1.5	21

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127	Bioleaching of acid-consuming low-grade nickel ore with elemental sulfur addition and subsequent acid generation. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 34-40.	1.6	21
128	Bacterial and chemical leaching of chalcopyrite concentrates as affected by the redox potential and ferric/ferrous iron ratio at 22Å°C. <i>International Journal of Mineral Processing</i> , 2014, 132, 1-7.	2.6	21
129	Long-term stability of bioelectricity generation coupled with tetrathionate disproportionation. <i>Bioresource Technology</i> , 2016, 216, 876-882.	4.8	21
130	Solid phase changes in chemically and biologically leached copper smelter slag. <i>Minerals Engineering</i> , 2017, 106, 97-101.	1.8	21
131	Growth of <i>Dunaliella tertiolecta</i> and associated bacteria in photobioreactors. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1357-1365.	1.4	19
132	Silver toxicity to ferrous iron and pyrite oxidation and its alleviation by yeast extract in cultures of <i>Thiobacillus ferrooxidans</i> . <i>Biotechnology Letters</i> , 1985, 7, 389-394.	1.1	18
133	Dark Fermentative Hydrogen Production from Neutralized Acid Hydrolysates of Conifer Pulp. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 2160-2169.	1.4	18
134	Leaching of rare earth elements and base metals from spent NiMH batteries using gluconate and its potential bio-oxidation products. <i>Journal of Hazardous Materials</i> , 2021, 414, 125564.	6.5	18
135	Neural network prediction of thermophilic (65Å°C) sulfidogenic fluidized-bed reactor performance for the treatment of metal-containing wastewater. <i>Biotechnology and Bioengineering</i> , 2007, 97, 780-787.	1.7	17
136	Spatial and temporal changes in Actinobacterial dominance in experimental artificial groundwater recharge. <i>Water Research</i> , 2008, 42, 4525-4537.	5.3	17
137	Fluidized-bed biofilms for chlorophenol mineralization. <i>Water Science and Technology</i> , 1995, 31, 227.	1.2	16
138	Simulation of in situ subsurface biodegradation of polychlorophenols in air-lift percolators. <i>Applied Microbiology and Biotechnology</i> , 1998, 49, 663-668.	1.7	16
139	Psychrotolerant and microaerophilic bacteria in boreal groundwater. <i>FEMS Microbiology Ecology</i> , 2002, 41, 9-16.	1.3	16
140	<i>Thermovorax subterraneus</i> , gen. nov., sp. nov., a thermophilic hydrogen-producing bacterium isolated from geothermally active underground mine. <i>Extremophiles</i> , 2009, 13, 505-510.	0.9	16
141	Impact of Heavy Metals on Denitrification of Simulated Mining Wastewaters. <i>Advanced Materials Research</i> , 0, 825, 500-503.	0.3	16
142	Heap Leaching of Black Schist. , 2007, , 139-151.		16
143	Production and Characterization of the Recombinant <i>Sphingomonas chlorophenolica</i> Pentachlorophenol 4-Monooxygenase. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 161-166.	1.0	15
144	Competition for oxygen by iron and 2,4,6-trichlorophenol oxidizing bacteria in boreal groundwater. <i>Water Research</i> , 2003, 37, 1378-1384.	5.3	15

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145	Biologically Fe ²⁺ oxidizing fluidized bed reactor performance and controlling of Fe ³⁺ recycle during heap bioleaching: an artificial neural network-based model. <i>Bioprocess and Biosystems Engineering</i> , 2008, 31, 111-117.	1.7	15
146	Characterization of iron- and sulphide mineral-oxidizing moderately thermophilic acidophilic bacteria from an Indonesian auto-heating copper mine waste heap and a deep South African gold mine. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2004, 31, 409-414.	1.4	14
147	Characterization of a thermophilic sulfur oxidizing enrichment culture dominated by a <i>Sulfolobus</i> sp. obtained from an underground hot spring for use in extreme bioleaching conditions. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 984-994.	1.4	14
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