

# Lynne E Macaskie

## List of Publications by Year in descending order

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129  
papers

6,803  
citations

57758

44  
h-index

69250

77  
g-index

131  
all docs

131  
docs citations

131  
times ranked

4852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective hydrogenation catalyst made via heat-processing of biogenic Pd nanoparticles and novel “green” catalyst for Heck coupling using waste sulfidogenic bacteria. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121059.	20.2	7
2	Coupled Biohydrogen Production and Bio-Nanocatalysis for Dual Energy from Cellulose: Towards Cellulosic Waste Up-Conversion into Biofuels. <i>Catalysts</i> , 2022, 12, 577.	3.5	1
3	Enhanced hydrogenation catalyst synthesized by <i>Desulfovibrio desulfuricans</i> exposed to a radio frequency magnetic field. <i>Microbial Biotechnology</i> , 2021, 14, 2041-2058.	4.2	2
4	Probing the viability of palladium-challenged bacterial cells using flow cytometry. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 295-301.	3.2	11
5	Platinum and Palladium Bio-Synthesized Nanoparticles as Sustainable Fuel Cell Catalysts. <i>Frontiers in Energy Research</i> , 2019, 7, .	2.3	29
6	Synthesis of Pd/Ru Bimetallic Nanoparticles by <i>Escherichia coli</i> and Potential as a Catalyst for Upgrading 5-Hydroxymethyl Furfural Into Liquid Fuel Precursors. <i>Frontiers in Microbiology</i> , 2019, 10, 1276.	3.5	41
7	Upconversion of Cellulosic Waste Into a Potential “Drop in Fuel” via Novel Catalyst Generated Using <i>Desulfovibrio desulfuricans</i> and a Consortium of Acidophilic Sulfidogens. <i>Frontiers in Microbiology</i> , 2019, 10, 970.	3.5	9
8	Characterization of Palladium Nanoparticles Produced by Healthy and Microwave-Injured Cells of <i>Desulfovibrio desulfuricans</i> and <i>Escherichia coli</i> . <i>Nanomaterials</i> , 2019, 9, 857.	4.1	26
9	Novel catalytically active Pd/Ru bimetallic nanoparticles synthesized by <i>Bacillus benzoevorans</i> . <i>Scientific Reports</i> , 2019, 9, 4715.	3.3	38
10	Biorefining of platinum group metals from model waste solutions into catalytically active bimetallic nanoparticles. <i>Microbial Biotechnology</i> , 2018, 11, 359-368.	4.2	12
11	Direct solid state NMR observation of the $^{105}\text{Pd}$ nucleus in inorganic compounds and palladium metal systems. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26734-26743.	2.8	16
12	$\text{Eu}^{3+}$ Sequestration by Biogenic Nano-Hydroxyapatite Synthesized at Neutral and Alkaline pH. <i>Geomicrobiology Journal</i> , 2017, 34, 753-759.	2.0	5
13	Biosynthesis of zinc sulfide quantum dots using waste off-gas from a metal bioremediation process. <i>RSC Advances</i> , 2017, 7, 21484-21491.	3.6	22
14	Nanoparticles of Pd supported on bacterial biomass for hydroprocessing crude bio-oil. <i>Fuel</i> , 2017, 209, 449-456.	6.4	31
15	Metallic bionanocatalysts: potential applications as green catalysts and energy materials. <i>Microbial Biotechnology</i> , 2017, 10, 1171-1180.	4.2	20
16	Advances and bottlenecks in microbial hydrogen production. <i>Microbial Biotechnology</i> , 2017, 10, 1120-1127.	4.2	32
17	In-situ catalytic upgrading of heavy oil using dispersed bionanoparticles supported on gram-positive and gram-negative bacteria. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 807-819.	20.2	54
18	Selective hydrogenation using palladium bioinorganic catalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 108-122.	20.2	36

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19	Comparison of the effects of dispersed noble metal (Pd) biomass supported catalysts with typical hydrogenation (Pd/C, Pd/Al <sub>2</sub> O <sub>3</sub> ) and hydrotreatment catalysts (CoMo/Al <sub>2</sub> O <sub>3</sub> ) for in-situ heavy oil upgrading with Toe-to-Heel Air Injection (THAI). Fuel, 2016, 180, 367-376.	6.4	24
20	Influence of pH, competing ions and salinity on the sorption of strontium and cobalt onto biogenic hydroxyapatite. Scientific Reports, 2016, 6, 23361.	3.3	66
21	A Novel Aerobic Mechanism for Reductive Palladium Biomineralization and Recovery by <i>Escherichia coli</i> . Geomicrobiology Journal, 2016, 33, 230-236.	2.0	23
22	Hydroxyapatite Biosynthesis by a <i>Serratia</i> sp. and Application of Nanoscale Bio-HA in the Recovery of Strontium and Europium. Geomicrobiology Journal, 2016, 33, 267-273.	2.0	7
23	Characterization of intracellular palladium nanoparticles synthesized by <i>Desulfovibrio desulfuricans</i> and <i>Bacillus benzeovorans</i> . Journal of Nanoparticle Research, 2015, 17, 264.	1.9	61
24	Pd nanoparticles supported on reduced graphene-E. coli hybrid with enhanced crystallinity in bacterial biomass. RSC Advances, 2015, 5, 84093-84103.	3.6	25
25	Continuous biocatalytic recovery of neodymium and europium. RSC Advances, 2015, 5, 8496-8506.	3.6	9
26	Catalytic activity of biomass-supported Pd nanoparticles: Influence of the biological component in catalytic efficacy and potential application in "green" synthesis of fine chemicals and pharmaceuticals. Applied Catalysis B: Environmental, 2014, 147, 651-665.	20.2	86
27	Bacterially Derived Nanomaterials and Enzyme-Driven Lipid-Associated Metallic Particle Catalyst Formation. Behavior Research Methods, 2013, 18, 237-261.	4.0	2
28	Microbial synthesis of core/shell gold/palladium nanoparticles for applications in green chemistry. Journal of the Royal Society Interface, 2012, 9, 1705-1712.	3.4	95
29	A New Incorporation Mechanism for Trivalent Actinides into Bioapatite: A TRILFS and EXAFS Study. Langmuir, 2012, 28, 3845-3851.	3.5	21
30	An integrated biohydrogen refinery: Synergy of photofermentation, extractive fermentation and hydrothermal hydrolysis of food wastes. Bioresource Technology, 2012, 119, 384-392.	9.6	52
31	Biosynthesis of Platinum Nanoparticles by <i>Escherichia coli</i> MC4100: Can Such Nanoparticles Exhibit Intrinsic Surface Enantioselectivity?. Langmuir, 2012, 28, 5267-5274.	3.5	47
32	Use of <i>Desulfovibrio</i> and <i>Escherichia coli</i> Pd-nanocatalysts in reduction of Cr(VI) and hydrogenolytic dehalogenation of polychlorinated biphenyls and used transformer oil. Journal of Chemical Technology and Biotechnology, 2012, 87, 1430-1435.	3.2	24
33	Electro-extractive fermentation for efficient biohydrogen production. Bioresource Technology, 2012, 107, 166-174.	9.6	40
34	Nano-crystalline hydroxyapatite bio-mineral for the treatment of strontium from aqueous solutions. Biotechnology Letters, 2011, 33, 79-87.	2.2	50
35	Local magnetism in palladium bionanomaterials probed by muon spectroscopy. Biotechnology Letters, 2011, 33, 969-976.	2.2	5
36	Accumulation of zirconium phosphate by a <i>Serratia</i> sp.: a benign system for the removal of radionuclides from aqueous flows. Biotechnology Letters, 2010, 32, 1419-1427.	2.2	8

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37	Biorefining of precious metals from wastes: an answer to manufacturing of cheap nanocatalysts for fuel cells and power generation via an integrated biorefinery?. <i>Biotechnology Letters</i> , 2010, 32, 1821-1828.	2.2	53
38	Involvement of hydrogenases in the formation of highly catalytic Pd(0) nanoparticles by bioreduction of Pd(II) using <i>Escherichia coli</i> mutant strains. <i>Microbiology (United Kingdom)</i> , 2010, 156, 2630-2640.	1.8	197
39	Hydrogenation of 2-Butyne-1,4-diol Using Novel Bio-Palladium Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 980-988.	3.7	44
40	Biorecovery of Uranium from Minewaters into Pure Mineral Product at the Expense of Plant Wastes. <i>Advanced Materials Research</i> , 2009, 71-73, 621-624.	0.3	4
41	Integrating dark and light bio-hydrogen production strategies: towards the hydrogen economy. <i>Reviews in Environmental Science and Biotechnology</i> , 2009, 8, 149-185.	8.1	131
42	Microstructure and composition of biosynthetically synthesised hydroxyapatite. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 3419-3427.	3.6	18
43	Polyhydroxybutyrate accumulation by a <i>Serratia</i> sp.. <i>Biotechnology Letters</i> , 2008, 30, 481-491.	2.2	27
44	Visualization of the Function of a Biofilm Reactor by Magnetic Resonance Imaging. <i>Canadian Journal of Chemical Engineering</i> , 2008, 83, 68-72.	1.7	14
45	Biorecovery of gold by <i>Escherichia coli</i> and <i>Desulfovibrio desulfuricans</i> . <i>Biotechnology and Bioengineering</i> , 2008, 99, 1055-1064.	3.3	158
46	Biomass-supported palladium catalysts on <i>Desulfovibrio desulfuricans</i> and <i>Rhodobacter sphaeroides</i> . <i>Biotechnology and Bioengineering</i> , 2008, 99, 1045-1054.	3.3	47
47	Manufacture of stable palladium and gold nanoparticles on native and genetically engineered flagella scaffolds. <i>Biotechnology and Bioengineering</i> , 2008, 101, 873-880.	3.3	49
48	Dissecting the roles of <i>Escherichia coli</i> hydrogenases in biohydrogen production. <i>FEMS Microbiology Letters</i> , 2008, 278, 48-55.	1.8	114
49	Biorecovery of Gold from Jewellery Wastes by <i>Escherichia Coli</i> and Biomanufacture of Active Au-Nanomaterial. <i>Advanced Materials Research</i> , 2007, 20-21, 647-650.	0.3	18
50	Biorecovery of Platinum Group Metals from Secondary Sources. <i>Advanced Materials Research</i> , 2007, 20-21, 651-654.	0.3	13
51	A Novel Fuel Cell Catalyst for Clean Energy Production Based on a Bionanocatalyst. <i>Advanced Materials Research</i> , 2007, 20-21, 655-658.	0.3	1
52	A Novel Hydrogenation and Hydrogenolysis Catalyst Using Palladized Biomass of Gram-negative and Gram-positive Bacteria. <i>Advanced Materials Research</i> , 2007, 20-21, 603-606.	0.3	1
53	Dehalogenation of polychlorinated biphenyls and polybrominated diphenyl ethers using a hybrid bioinorganic catalyst. <i>Journal of Environmental Monitoring</i> , 2007, 9, 314.	2.1	40
54	A new approach for the recovery of precious metals from solution and from leachates derived from electronic scrap. <i>Biotechnology and Bioengineering</i> , 2007, 96, 631-639.	3.3	49

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55	Cr(VI) reduction by bio and bioinorganic catalysis via use of bio-H <sub>2</sub> : a sustainable approach for remediation of wastes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 182-189.	3.2	9
56	Biorecovered Precious Metals from Industrial Wastes: A Single-Step Conversion of a Mixed Metal Liquid Waste to a Bioinorganic Catalyst with Environmental Application. <i>Environmental Science &amp; Technology</i> , 2006, 40, 1015-1021.	10.0	102
57	The biodegradation of tributyl phosphate by naturally occurring microbial isolates. <i>FEMS Microbiology Letters</i> , 2006, 155, 155-159.	1.8	20
58	Inactivation of the <i>Escherichia coli</i> K-12 twin-arginine translocation system promotes increased hydrogen production. <i>FEMS Microbiology Letters</i> , 2006, 262, 135-137.	1.8	42
59	Utilisation of a hydrogen uranyl phosphate-based ion exchanger supported on a biofilm for the removal of cobalt, strontium and caesium from aqueous solutions. <i>Hydrometallurgy</i> , 2006, 83, 141-145.	4.3	42
60	A two-stage, two-organism process for biohydrogen from glucose. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 1514-1521.	7.1	86
61	Palladium and gold removal and recovery from precious metal solutions and electronic scrap leachates by <i>Desulfovibrio desulfuricans</i> . <i>Biotechnology Letters</i> , 2006, 28, 1475-1484.	2.2	134
62	Applications of bacterial hydrogenases in waste decontamination, manufacture of novel bionanocatalysts and in sustainable energy. <i>Biochemical Society Transactions</i> , 2005, 33, 76-79.	3.4	54
63	Palladium and platinum recovery from bicomponent mixtures using chitosan derivatives. <i>Hydrometallurgy</i> , 2005, 76, 131-147.	4.3	161
64	Reduction of Cr(VI) by immobilized cells of <i>Desulfovibrio vulgaris</i> NCIMB 8303 and <i>Microbacterium</i> sp. NCIMB 13776. <i>Biotechnology and Bioengineering</i> , 2005, 90, 589-596.	3.3	52
65	Measurement of flow field in biofilm reactors by 3-D magnetic resonance imaging. <i>AIChE Journal</i> , 2005, 51, 3072-3079.	3.6	19
66	Reduction of Cr(VI) by palladized biomass of <i>Desulfovibrio vulgaris</i> NCIMB 8303. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 1378-1382.	3.2	14
67	A New Method for Mercury Removal. <i>Biotechnology Letters</i> , 2005, 27, 1649-1655.	2.2	30
68	A novel non line-of-sight method for coating hydroxyapatite onto the surfaces of support materials by biomineralization. <i>Journal of Biotechnology</i> , 2005, 118, 187-200.	3.8	47
69	Bacterial biosynthesis of a calcium phosphate bone-substitute material. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 403-406.	3.6	21
70	Reduction of Cr(VI) by ?palladized? biomass of <i>Desulfovibrio desulfuricans</i> ATCC 29577. <i>Biotechnology and Bioengineering</i> , 2004, 87, 104-109.	3.3	63
71	Biosorption of palladium and platinum by sulfate-reducing bacteria. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 49-56.	3.2	106
72	Sulphate-reducing bacteria, palladium and the reductive dehalogenation of chlorinated aromatic compounds. <i>Biodegradation</i> , 2003, 14, 83-90.	3.0	109

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73	Biotechnological Application of Metal-reducing Microorganisms. <i>Advances in Applied Microbiology</i> , 2003, 53, 85-128.	2.4	96
74	Chapter 11 Biochemical basis of microbe-radionuclide interactions. <i>Radioactivity in the Environment</i> , 2002, , 313-342.	0.2	17
75	Bioaccumulation of palladium by <i>Desulfovibrio desulfuricans</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 593-601.	3.2	109
76	A new bioinorganic process for the remediation of Cr(VI). <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 1169-1175.	3.2	21
77	Effect of complexing agents on reduction of Cr(VI) by <i>Desulfovibrio vulgaris</i> ATCC 29579. <i>Biotechnology and Bioengineering</i> , 2002, 79, 389-397.	3.3	65
78	Bioreduction and biocrystallization of palladium by <i>Desulfovibrio desulfuricans</i> NCIMB 8307. <i>Biotechnology and Bioengineering</i> , 2002, 80, 369-379.	3.3	272
79	Effect of nutrient limitation on biofilm formation and phosphatase activity of a <i>Citrobacter</i> sp.. <i>Microbiology (United Kingdom)</i> , 2002, 148, 277-288.	1.8	80
80	[20] Study of biofilm within a packed-bed reactor by three-dimensional magnetic resonance imaging. <i>Methods in Enzymology</i> , 2001, 337, 285-305.	1.0	35
81	Chromate reduction and 16S rRNA identification of bacteria isolated from a Cr(VI)-contaminated site. <i>Applied Microbiology and Biotechnology</i> , 2001, 57, 257-261.	3.6	205
82	A novel isolate of <i>Desulfovibrio</i> sp. with enhanced ability to reduce Cr(VI). <i>Biotechnology Letters</i> , 2001, 23, 683-687.	2.2	59
83	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1749-1757.	2.2	35
84	Metal reduction by sulphate-reducing bacteria: physiological diversity and metal specificity. <i>Hydrometallurgy</i> , 2001, 59, 327-337.	4.3	116
85	Growth of naturally occurring microbial isolates in metal-citrate medium and bioremediation of metal-citrate wastes. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 187-195.	3.2	34
86	Biological Reduction and Removal of Np(V) by Two Microorganisms. <i>Environmental Science &amp; Technology</i> , 2000, 34, 1297-1301.	10.0	90
87	Enzymically mediated bioprecipitation of uranium by a <i>Citrobacter</i> sp.: a concerted role for exocellular lipopolysaccharide and associated phosphatase in biomineral formation. <i>Microbiology (United Kingdom)</i> , 2000, 146, 1855-1867.	1.8	215
88	Production of two phosphatases by a <i>Citrobacter</i> sp. grown in batch and continuous culture. <i>Enzyme and Microbial Technology</i> , 1999, 24, 218-224.	3.2	19
89	Accumulation of zirconium and nickel by <i>Citrobacter</i> sp. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 509-514.	3.2	17
90	The role of sulfate as a competitive inhibitor of enzymatically-mediated heavy metal uptake by <i>Citrobacter</i> sp: implications in the bioremediation of acid mine drainage water using biogenic phosphate precipitant. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 1149-1156.	3.2	9

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91	Phosphate release and heavy metal accumulation by biofilm-immobilized and chemically-coupled cells of acitrobacter sp. pre-grown in continuous culture. , 1999, 63, 87-97.		54
92	Title is missing!. Biotechnology Letters, 1998, 20, 857-863.	2.2	35
93	Fungal volatilization of arsenic and antimony and the sudden infant death syndrome. FEMS Microbiology Letters, 1998, 158, 261-265.	1.8	38
94	Bioaccumulation of lanthanum, uranium and thorium, and use of a model system to develop a method for the biologically-mediated removal of plutonium from solution. Journal of Chemical Technology and Biotechnology, 1998, 71, 15-26.	3.2	39
95	The use of Escherichia coli bearing a phoN gene for the removal of uranium and nickel from aqueous flows. Applied Microbiology and Biotechnology, 1998, 50, 266-272.	3.6	65
96	Microbially-Enhanced Chemisorption of Heavy Metals:Â A Method for the Bioremediation of Solutions Containing Long-Lived Isotopes of Neptunium and Plutonium. Environmental Science & Technology, 1998, 32, 184-187.	10.0	232
97	Identification of the Nickel Uranyl Phosphate Deposits onCitrobactersp. Cells by Electron Microscopy with Electron Probe X-ray Microanalysis and by Proton-Induced X-ray Emission Analysis. Environmental Science & Technology, 1998, 32, 760-765.	10.0	37
98	Biodegradation of Metal-EDTA Complexes by an Enriched Microbial Population. Applied and Environmental Microbiology, 1998, 64, 1319-1322.	3.1	79
99	Enzymatic Recovery of Elemental Palladium by Using Sulfate-Reducing Bacteria. Applied and Environmental Microbiology, 1998, 64, 4607-4609.	3.1	286
100	Localization of enzymically enhanced heavy metal accumulation by Citrobacter sp. and metal accumulation in vitro by liposomes containing entrapped enzyme. Microbiology (United Kingdom), 1997, 143, 2497-2507.	1.8	68
101	Bioremediation of uranium-bearing wastewater: Biochemical and chemical factors influencing bioprocess application. , 1997, 53, 100-109.		73
102	Microbially enhanced chemisorption of nickel into biologically synthesized hydrogen uranyl phosphate: A novel system for the removal and recovery of metals from aqueous solutions. , 1997, 54, 319-328.		22
103	Effect of substrate concentration and nitrate inhibition on product release and heavy metal removal by aCitrobacter sp.. , 1997, 55, 821-830.		17
104	The biodegradation of tributyl phosphate by naturally occurring microbial isolates. FEMS Microbiology Letters, 1997, 155, 155-159.	1.8	7
105	Bioaccumulation of nickel by intercalation into polycrystalline hydrogen uranyl phosphate deposited via an enzymatic mechanism. Nature Biotechnology, 1996, 14, 635-638.	17.5	50
106	Enzymatically-mediated uranium accumulation and uranium recovery using aCitrobacter sp. Immobilised as a biofilm within a plug-flow reactor. Journal of Chemical Technology and Biotechnology, 1995, 63, 1-16.	3.2	55
107	Removal of the tetravalent actinide thorium from solution by a biocatalytic system. Journal of Chemical Technology and Biotechnology, 1995, 64, 87-95.	3.2	23
108	Lanthanum accumalation from acidic solutions using aCitrobacter sp. immobilized in a flow-through bioreactor. Journal of Industrial Microbiology, 1995, 14, 271-280.	0.9	47



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109	Enhancement of uranium bioaccumulation by a <i>Citrobacter</i> sp. via enzymically-mediated growth of polycrystalline $\text{NH}_4\text{UO}_2\text{PO}_4$ . <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 63, 101-108.	3.2	58
110	Uranium bioaccumulation by a <i>Citrobacter</i> sp. as a result of enzymically mediated growth of polycrystalline $\text{H}_2\text{UO}_2\text{PO}_4$ . <i>Science</i> , 1992, 257, 782-784.	12.6	277
111	The Application of Biotechnology to the Treatment of Wastes Produced from the Nuclear Fuel Cycle: Biodegradation and Bioaccumulation as a Means of Treating Radionuclide-Containing Streams. <i>Critical Reviews in Biotechnology</i> , 1991, 11, 41-112.	9.0	229
112	The use of bioreactor kinetics to quantify the effects of interfering agents on bioreactor efficiency: ?Proof of principle? using uranium-accumulating <i>Citrobacter</i> sp. in a plug flow reactor. <i>Biotechnology Letters</i> , 1990, 4, 83-88.	0.5	7
113	An immobilized cell bioprocess for the removal of heavy metals from aqueous flows. <i>Journal of Chemical Technology and Biotechnology</i> , 1990, 49, 357-379.	3.2	113
114	Use of immobilized biofilm of <i>Citrobacter</i> sp. for the removal of uranium and lead from aqueous flows. <i>Enzyme and Microbial Technology</i> , 1987, 9, 2-4.	3.2	46
115	The effects of trialkyl lead compounds on bacteria. <i>Environmental Technology Letters</i> , 1985, 6, 237-250.	0.4	8
116	Strontium accumulation by immobilized cells of a <i>Citrobacter</i> sp.. <i>Biotechnology Letters</i> , 1985, 7, 627-630.	2.2	17
117	Glycerol utilization by <i>Brochothrix thermosphacta</i> *. <i>Journal of Applied Bacteriology</i> , 1984, 56, 137-143.	1.1	5
118	Cadmium accumulation by immobilized cells of a <i>Citrobacter</i> SP.. <i>Environmental Technology Letters</i> , 1984, 5, 177-186.	0.4	31
119	Cadmium accumulation by microorganisms. <i>Environmental Technology Letters</i> , 1982, 3, 49-56.	0.4	41
120	Inhibition of growth of <i>Brochothrix thermosphacta</i> by palmitic acid. <i>Journal of Applied Bacteriology</i> , 1982, 52, 339-343.	1.1	8
121	The Role of Thiamine as a Factor for the Growth of <i>Brochothrix thermosphacta</i> . <i>Journal of Applied Bacteriology</i> , 1981, 50, 267-273.	1.1	7
122	Today's Wastes, Tomorrow's Materials for Environmental Protection. <i>Advanced Materials Research</i> , 0, 71-73, 541-548.	0.3	2
123	Electron Paramagnetic Resonance Analysis of Active Bio-Pd-Based Electrodes for Fuel Cells. <i>Advanced Materials Research</i> , 0, 71-73, 737-740.	0.3	7
124	A Study of Biofilm and Non-Line-of-Sight Bio-Hydroxyapatite Coatings Using a <i>Serratia</i> sp.. <i>Advanced Materials Research</i> , 0, 71-73, 741-744.	0.3	2
125	Biorecovery of Precious Metals from Wastes and Conversion into Fuel Cell Catalyst for Electricity Production. <i>Advanced Materials Research</i> , 0, 71-73, 729-732.	0.3	10
126	Biorecycling of Precious Metals and Rare Earth Elements. , 0, , .		11



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127	Bioremediation of Metals and Radionuclides. , 0, , 293-317.		18
128	Bioremediation of Radionuclide-Containing Wastewaters. , 0, , 277-327.		56
129	Biotechnology Processes for Scalable, Selective Rare Earth Element Recovery. , 0, , .		3