

Lynne E Macaskie

List of Publications by Year in descending order

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129
papers

6,803
citations

66250

44
h-index

78623

77
g-index

131
all docs

131
docs citations

131
times ranked

5433
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic Recovery of Elemental Palladium by Using Sulfate-Reducing Bacteria. <i>Applied and Environmental Microbiology</i> , 1998, 64, 4607-4609.	1.4	286
2	Uranium bioaccumulation by a <i>Citrobacter</i> sp. as a result of enzymically mediated growth of polycrystalline H ₂ UO ₂ PO ₄ . <i>Science</i> , 1992, 257, 782-784.	6.0	277
3	Bioreduction and biocrystallization of palladium by <i>Desulfovibrio desulfuricans</i> NCIMB 8307. <i>Biotechnology and Bioengineering</i> , 2002, 80, 369-379.	1.7	272
4	Microbially-Enhanced Chemisorption of Heavy Metals: A Method for the Bioremediation of Solutions Containing Long-Lived Isotopes of Neptunium and Plutonium. <i>Environmental Science & Technology</i> , 1998, 32, 184-187.	4.6	232
5	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.	5.1	229
6	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.	0.7	215
7	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.	1.7	205
8	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.	0.7	197
9	Palladium and platinum recovery from bicomponent mixtures using chitosan derivatives. <i>Hydrometallurgy</i> , 2005, 76, 131-147.	1.8	161
10	Biorecovery of gold by <i>Escherichia coli</i> and <i>Desulfovibrio desulfuricans</i> . <i>Biotechnology and Bioengineering</i> , 2008, 99, 1055-1064.	1.7	158
11	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.	1.1	134
12	Integrating dark and light bio-hydrogen production strategies: towards the hydrogen economy. <i>Reviews in Environmental Science and Biotechnology</i> , 2009, 8, 149-185.	3.9	131
13	Metal reduction by sulphate-reducing bacteria: physiological diversity and metal specificity. <i>Hydrometallurgy</i> , 2001, 59, 327-337.	1.8	116
14	Dissecting the roles of <i>Escherichia coli</i> hydrogenases in biohydrogen production. <i>FEMS Microbiology Letters</i> , 2008, 278, 48-55.	0.7	114
15	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.	1.6	113
16	Bioaccumulation of palladium by <i>Desulfovibrio desulfuricans</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 593-601.	1.6	109
17	Sulphate-reducing bacteria, palladium and the reductive dehalogenation of chlorinated aromatic compounds. <i>Biodegradation</i> , 2003, 14, 83-90.	1.5	109
18	Biosorption of palladium and platinum by sulfate-reducing bacteria. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 49-56.	1.6	106

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19	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 & Technology</i> , 2006, 40, 1015-1021.	4.6	102
20	Biotechnological Application of Metal-reducing Microorganisms. <i>Advances in Applied Microbiology</i> , 2003, 53, 85-128.	1.3	96
21	Microbial synthesis of core/shell gold/palladium nanoparticles for applications in green chemistry. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1705-1712.	1.5	95
22	Biological Reduction and Removal of Np(V) by Two Microorganisms. <i>Environmental Science & Technology</i> , 2000, 34, 1297-1301.	4.6	90
23	A two-stage, two-organism process for biohydrogen from glucose. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 1514-1521.	3.8	86
24	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. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 651-665.	10.8	86
25	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.	0.7	80
26	Biodegradation of Metal-EDTA Complexes by an Enriched Microbial Population. <i>Applied and Environmental Microbiology</i> , 1998, 64, 1319-1322.	1.4	79
27	Bioremediation of uranium-bearing wastewater: Biochemical and chemical factors influencing bioprocess application. , 1997, 53, 100-109.		73
28	Localization of enzymically enhanced heavy metal accumulation by <i>Citrobacter</i> sp. and metal accumulation in vitro by liposomes containing entrapped enzyme. <i>Microbiology (United Kingdom)</i> , 1997, 143, 2497-2507.	0.7	68
29	Influence of pH, competing ions and salinity on the sorption of strontium and cobalt onto biogenic hydroxyapatite. <i>Scientific Reports</i> , 2016, 6, 23361.	1.6	66
30	The use of <i>Escherichia coli</i> bearing a <i>phoN</i> gene for the removal of uranium and nickel from aqueous flows. <i>Applied Microbiology and Biotechnology</i> , 1998, 50, 266-272.	1.7	65
31	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.	1.7	65
32	Reduction of Cr(VI) by "palladized" biomass of <i>Desulfovibrio desulfuricans</i> ATCC 29577. <i>Biotechnology and Bioengineering</i> , 2004, 87, 104-109.	1.7	63
33	Characterization of intracellular palladium nanoparticles synthesized by <i>Desulfovibrio desulfuricans</i> and <i>Bacillus benzeovorans</i> . <i>Journal of Nanoparticle Research</i> , 2015, 17, 264.	0.8	61
34	A novel isolate of <i>Desulfovibrio</i> sp. with enhanced ability to reduce Cr(VI). <i>Biotechnology Letters</i> , 2001, 23, 683-687.	1.1	59
35	Enhancement of uranium bioaccumulation by a <i>Citrobacter</i> sp. via enzymically-mediated growth of polycrystalline NH ₄ UO ₂ PO ₄ . <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 63, 101-108.	1.6	58
36	Bioremediation of Radionuclide-Containing Wastewaters. , 0, , 277-327.		56

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37	Enzymatically-mediated uranium accumulation and uranium recovery using a <i>Citrobacter</i> sp. Immobilised as a biofilm within a plug-flow reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 63, 1-16.	1.6	55
38	Phosphate release and heavy metal accumulation by biofilm-immobilized and chemically-coupled cells of <i>acitrobacter</i> sp. pre-grown in continuous culture. , 1999, 63, 87-97.		54
39	Applications of bacterial hydrogenases in waste decontamination, manufacture of novel bionanocatalysts and in sustainable energy. <i>Biochemical Society Transactions</i> , 2005, 33, 76-79.	1.6	54
40	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.	10.8	54
41	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.	1.1	53
42	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.	1.7	52
43	An integrated biohydrogen refinery: Synergy of photofermentation, extractive fermentation and hydrothermal hydrolysis of food wastes. <i>Bioresource Technology</i> , 2012, 119, 384-392.	4.8	52
44	Bioaccumulation of nickel by intercalation into polycrystalline hydrogen uranyl phosphate deposited via an enzymatic mechanism. <i>Nature Biotechnology</i> , 1996, 14, 635-638.	9.4	50
45	Nano-crystalline hydroxyapatite bio-mineral for the treatment of strontium from aqueous solutions. <i>Biotechnology Letters</i> , 2011, 33, 79-87.	1.1	50
46	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.	1.7	49
47	Manufacture of stable palladium and gold nanoparticles on native and genetically engineered flagella scaffolds. <i>Biotechnology and Bioengineering</i> , 2008, 101, 873-880.	1.7	49
48	Lanthanum accumulation from acidic solutions using a <i>Citrobacter</i> sp. immobilized in a flow-through bioreactor. <i>Journal of Industrial Microbiology</i> , 1995, 14, 271-280.	0.9	47
49	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.	1.9	47
50	Biomass-supported palladium catalysts on <i>Desulfovibrio desulfuricans</i> and <i>Rhodobacter sphaeroides</i> . <i>Biotechnology and Bioengineering</i> , 2008, 99, 1045-1054.	1.7	47
51	Biosynthesis of Platinum Nanoparticles by <i>Escherichia coli</i> MC4100: Can Such Nanoparticles Exhibit Intrinsic Surface Enantioselectivity?. <i>Langmuir</i> , 2012, 28, 5267-5274.	1.6	47
52	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.	1.6	46
53	Hydrogenation of 2-Butyne-1,4-diol Using Novel Bio-Palladium Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 980-988.	1.8	44
54	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.	0.7	42

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55	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.	1.8	42
56	Cadmium accumulation by microorganisms. <i>Environmental Technology Letters</i> , 1982, 3, 49-56.	0.4	41
57	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.	1.5	41
58	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
59	Electro-extractive fermentation for efficient biohydrogen production. <i>Bioresource Technology</i> , 2012, 107, 166-174.	4.8	40
60	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. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 71, 15-26.	1.6	39
61	Fungal volatilization of arsenic and antimony and the sudden infant death syndrome. <i>FEMS Microbiology Letters</i> , 1998, 158, 261-265.	0.7	38
62	Novel catalytically active Pd/Ru bimetallic nanoparticles synthesized by <i>Bacillus benzoevorans</i> . <i>Scientific Reports</i> , 2019, 9, 4715.	1.6	38
63	Identification of the Nickel Uranyl Phosphate Deposits on <i>Citrobacter</i> sp. Cells by Electron Microscopy with Electron Probe X-ray Microanalysis and by Proton-Induced X-ray Emission Analysis. <i>Environmental Science & Technology</i> , 1998, 32, 760-765.	4.6	37
64	Selective hydrogenation using palladium bioinorganic catalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 108-122.	10.8	36
65	Title is missing!. <i>Biotechnology Letters</i> , 1998, 20, 857-863.	1.1	35
66	[20] Study of biofilm within a packed-bed reactor by three-dimensional magnetic resonance imaging. <i>Methods in Enzymology</i> , 2001, 337, 285-305.	0.4	35
67	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1749-1757.	1.1	35
68	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.	1.6	34
69	Advances and bottlenecks in microbial hydrogen production. <i>Microbial Biotechnology</i> , 2017, 10, 1120-1127.	2.0	32
70	Cadmium accumulation by immobilized cells of <i>Citrobacter</i> sp.. <i>Environmental Technology Letters</i> , 1984, 5, 177-186.	0.4	31
71	Nanoparticles of Pd supported on bacterial biomass for hydroprocessing crude bio-oil. <i>Fuel</i> , 2017, 209, 449-456.	3.4	31
72	A New Method for Mercury Removal. <i>Biotechnology Letters</i> , 2005, 27, 1649-1655.	1.1	30

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73	Platinum and Palladium Bio-Synthesized Nanoparticles as Sustainable Fuel Cell Catalysts. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	29
74	Polyhydroxybutyrate accumulation by a <i>Serratia</i> sp.. <i>Biotechnology Letters</i> , 2008, 30, 481-491.	1.1	27
75	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.	1.9	26
76	Pd nanoparticles supported on reduced grapheneâ€E. coli hybrid with enhanced crystallinity in bacterial biomass. <i>RSC Advances</i> , 2015, 5, 84093-84103.	1.7	25
77	Use of <i>Desulfovibrio</i> and <i>Escherichia coli</i> Pdâ€Nanocatalysts in reduction of Cr(VI) and hydrogenolytic dehalogenation of polychlorinated biphenyls and used transformer oil. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1430-1435.	1.6	24
78	Comparison of the effects of dispersed noble metal (Pd) biomass supported catalysts with typical hydrogenation (Pd/C, Pd/Al ₂ O ₃) and hydrotreatment catalysts (CoMo/Al ₂ O ₃) for in-situ heavy oil upgrading with Toe-to-Heel Air Injection (THAI). <i>Fuel</i> , 2016, 180, 367-376.	3.4	24
79	Removal of the tetravalent actinide thorium from solution by a biocatalytic system. <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 64, 87-95.	1.6	23
80	A Novel Aerobic Mechanism for Reductive Palladium Biomineralization and Recovery by <i>Escherichia coli</i> . <i>Geomicrobiology Journal</i> , 2016, 33, 230-236.	1.0	23
81	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
82	Biosynthesis of zinc sulfide quantum dots using waste off-gas from a metal bioremediation process. <i>RSC Advances</i> , 2017, 7, 21484-21491.	1.7	22
83	A new bioinorganic process for the remediation of Cr(VI). <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 1169-1175.	1.6	21
84	Bacterial biosynthesis of a calcium phosphate bone-substitute material. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 403-406.	1.7	21
85	A New Incorporation Mechanism for Trivalent Actinides into Bioapatite: A TRLS and EXAFS Study. <i>Langmuir</i> , 2012, 28, 3845-3851.	1.6	21
86	The biodegradation of tributyl phosphate by naturally occurring microbial isolates. <i>FEMS Microbiology Letters</i> , 2006, 155, 155-159.	0.7	20
87	Metallic bionanocatalysts: potential applications as green catalysts and energy materials. <i>Microbial Biotechnology</i> , 2017, 10, 1171-1180.	2.0	20
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.	1.6	19
89	Measurement of flow field in biofilm reactors by 3-D magnetic resonance imaging. <i>AIChE Journal</i> , 2005, 51, 3072-3079.	1.8	19
90	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

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91	Microstructure and composition of biosynthetically synthesised hydroxyapatite. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 3419-3427.	1.7	18
92	Bioremediation of Metals and Radionuclides. , 0, , 293-317.		18
93	Strontium accumulation by immobilized cells of a <i>Citrobacter</i> sp.. <i>Biotechnology Letters</i> , 1985, 7, 627-630.	1.1	17
94	Effect of substrate concentration and nitrate inhibition on product release and heavy metal removal by a <i>Citrobacter</i> sp.. , 1997, 55, 821-830.		17
95	Accumulation of zirconium and nickel by <i>Citrobacter</i> sp. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 509-514.	1.6	17
96	Chapter 11 Biochemical basis of microbe-radionuclide interactions. <i>Radioactivity in the Environment</i> , 2002, , 313-342.	0.2	17
97	Direct solid state NMR observation of the ¹⁰⁵ Pd nucleus in inorganic compounds and palladium metal systems. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26734-26743.	1.3	16
98	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.	1.6	14
99	Visualization of the Function of a Biofilm Reactor by Magnetic Resonance Imaging. <i>Canadian Journal of Chemical Engineering</i> , 2008, 83, 68-72.	0.9	14
100	Biorecovery of Platinum Group Metals from Secondary Sources. <i>Advanced Materials Research</i> , 2007, 20-21, 651-654.	0.3	13
101	Biorefining of platinum group metals from model waste solutions into catalytically active bimetallic nanoparticles. <i>Microbial Biotechnology</i> , 2018, 11, 359-368.	2.0	12
102	Biorecycling of Precious Metals and Rare Earth Elements. , 0, , .		11
103	Probing the viability of palladium-challenged bacterial cells using flow cytometry. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 295-301.	1.6	11
104	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
105	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.	1.6	9
106	Cr(VI) reduction by bio and bioinorganic catalysis via use of bio-H ₂ : a sustainable approach for remediation of wastes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 182-189.	1.6	9
107	Continuous biocatalytic recovery of neodymium and europium. <i>RSC Advances</i> , 2015, 5, 8496-8506.	1.7	9
108	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.	1.5	9

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109	Inhibition of growth of <i>Brochothrix thermosphacta</i> by palmitic acid. <i>Journal of Applied Bacteriology</i> , 1982, 52, 339-343.	1.1	8
110	The effects of trialkyl lead compounds on bacteria. <i>Environmental Technology Letters</i> , 1985, 6, 237-250.	0.4	8
111	Accumulation of zirconium phosphate by a <i>Serratia</i> sp.: a benign system for the removal of radionuclides from aqueous flows. <i>Biotechnology Letters</i> , 2010, 32, 1419-1427.	1.1	8
112	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
113	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
114	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
115	Hydroxyapatite Biosynthesis by a <i>Serratia</i> sp. and Application of Nanoscale Bio-HA in the Recovery of Strontium and Europium. <i>Geomicrobiology Journal</i> , 2016, 33, 267-273.	1.0	7
116	The biodegradation of tributyl phosphate by naturally occurring microbial isolates. <i>FEMS Microbiology Letters</i> , 1997, 155, 155-9.	0.7	7
117	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.	10.8	7
118	Glycerol utilization by <i>Brochothrix thermosphacta</i> *. <i>Journal of Applied Bacteriology</i> , 1984, 56, 137-143.	1.1	5
119	Local magnetism in palladium bionanomaterials probed by muon spectroscopy. <i>Biotechnology Letters</i> , 2011, 33, 969-976.	1.1	5
120	Eu ³⁺ Sequestration by Biogenic Nano-Hydroxyapatite Synthesized at Neutral and Alkaline pH. <i>Geomicrobiology Journal</i> , 2017, 34, 753-759.	1.0	5
121	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
122	Biotechnology Processes for Scalable, Selective Rare Earth Element Recovery. , 0, , .		3
123	Today's Wastes, Tomorrow's Materials for Environmental Protection. <i>Advanced Materials Research</i> , 0, 71-73, 541-548.	0.3	2
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	Bacterially Derived Nanomaterials and Enzyme-Driven Lipid-Associated Metallic Particle Catalyst Formation. <i>Behavior Research Methods</i> , 2013, 18, 237-261.	2.3	2
126	Enhanced hydrogenation catalyst synthesized by <i>Desulfovibrio desulfuricans</i> exposed to a radio frequency magnetic field. <i>Microbial Biotechnology</i> , 2021, 14, 2041-2058.	2.0	2

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127	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
128	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
129	Coupled Biohydrogen Production and Bio-Nanocatalysis for Dual Energy from Cellulose: Towards Cellulosic Waste Up-Conversion into Biofuels. <i>Catalysts</i> , 2022, 12, 577.	1.6	1