

# Seyyed Mohammad Mousavi

## List of Publications by Year in descending order

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165  
papers

6,034  
citations

71097

41  
h-index

95259

68  
g-index

165  
all docs

165  
docs citations

165  
times ranked

4406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasonic-assisted acid and ionic liquid hydrolysis of microalgae for bioethanol production. Biomass Conversion and Biorefinery, 2023, 13, 16001-16014.	4.6	2
2	The influence of alkaline treatment on acoustical, morphological, tensile and thermal properties of Kenaf natural fibers. Journal of Industrial Textiles, 2022, 51, 8601S-8625S.	2.4	32
3	Optimization and Modeling of Sound-Absorption Properties of Natural Fibers for Acoustical Application. Journal of Natural Fibers, 2022, 19, 7157-7173.	3.1	9
4	Efficient extraction of critical elements from end-of-life automotive catalytic converters via alkaline pretreatment followed by leaching with a complexing agent. Journal of Cleaner Production, 2022, 344, 131064.	9.3	13
5	Insights into the polysaccharides and proteins production from <i>Penicillium citrinum</i> during bioleaching of spent coin cells. International Journal of Biological Macromolecules, 2022, 209, 1133-1143.	7.5	16
6	A novel green strategy for biorecovery of valuable elements along with enrichment of rare earth elements from activated spent automotive catalysts using fungal metabolites. Journal of Hazardous Materials, 2022, 430, 128509.	12.4	19
7	Innovative bio-acid leaching method for high recovery of critical metals from end-of-life light emitting diodes. Resources, Conservation and Recycling, 2022, 182, 106306.	10.8	17
8	Biohydrometallurgical recycling approaches for returning valuable metals to the battery production cycle. , 2022, , 217-246.		4
9	Manganese bioleaching: an emerging approach for manganese recovery from spent batteries. Reviews in Environmental Science and Biotechnology, 2022, 21, 447-468.	8.1	17
10	Complete bioleaching of Co and Ni from spent batteries by a novel silver ion catalyzed process. Applied Microbiology and Biotechnology, 2022, 106, 5301-5316.	3.6	6
11	Stability and performance of poly $\hat{I}^3$ -(glutamic acid) in the presence of sulfate ion for enhanced heavy oil recovery. Journal of Petroleum Science and Engineering, 2021, 196, 107688.	4.2	5
12	A novel computational simulation approach to study biofilm significance in a packed-bed biooxidation reactor. Chemosphere, 2021, 262, 127680.	8.2	5
13	Bacterial cellulose/polyaniline nanocomposite aerogels as novel bioadsorbents for removal of hexavalent chromium: Experimental and simulation study. Journal of Cleaner Production, 2021, 278, 123817.	9.3	53
14	Recovery of valuable metals from spent mobile phone printed circuit boards using biochar in indirect bioleaching. Journal of Environmental Management, 2021, 280, 111642.	7.8	30
15	Effect of Particle Size in Polyethyltene Glycol-Assisted [BMIM][Cl] Pretreatment of Sugarcane Bagasse. Bioenergy Research, 2021, 14, 1136-1146.	3.9	5
16	Display of hidden properties of flexible aerogel based on bacterial cellulose/polyaniline nanocomposites with helping of multiscale modeling. European Polymer Journal, 2021, 146, 110251.	5.4	26
17	Removal of sulfur dioxide from air using a packed-bed DBD plasma reactor (PBR) and in-plasma catalysis (IPC) hybrid system. Environmental Science and Pollution Research, 2021, 28, 42821-42836.	5.3	3
18	Bioleaching of critical metals from waste OLED touch screens using adapted acidophilic bacteria. Journal of Environmental Health Science & Engineering, 2021, 19, 893-906.	3.0	12

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19	Electrochemical and reactions mechanisms in the minimization of toxic elements transfer from mine-wastes into the ecosystem. <i>Electrochimica Acta</i> , 2021, 388, 138610.	5.2	1
20	Three-dimensional CFD simulation of anaerobic reactions in a continuous packed-bed bioreactor. <i>Renewable Energy</i> , 2021, 169, 461-472.	8.9	6
21	Novel green hybrid acidic-cyanide bioleaching applied for high recovery of precious and critical metals from spent light emitting diode lamps. <i>Journal of Cleaner Production</i> , 2021, 298, 126714.	9.3	18
22	Extraction of valuable metals from discarded AMOLED displays in smartphones using <i>Bacillus foraminis</i> as an alkali-tolerant strain. <i>Waste Management</i> , 2021, 131, 226-236.	7.4	23
23	Green recovery of Cu-Ni-Fe from a mixture of spent PCBs using adapted <i>A. ferrooxidans</i> in a bubble column bioreactor. <i>Separation and Purification Technology</i> , 2021, 272, 118701.	7.9	12
24	Material properties and cell compatibility of poly( $\beta$ -glutamic acid)-keratin hydrogels. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 790-802.	7.5	25
25	Synthesis of silica nanoparticles with different morphologies and their effects on enhanced oil recovery. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1105-1114.	3.1	14
26	Production and physicochemical characterization of bacterial poly gamma- (glutamic acid) to investigate its performance on enhanced oil recovery. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1204-1212.	7.5	17
27	Influence of surfactant and molarity on the properties of bacterial cellulose/polyaniline: Experimental and density functional theory. <i>Carbohydrate Polymers</i> , 2020, 250, 116903.	10.2	12
28	Density functional theory simulation for Cr(VI) removal from wastewater using bacterial cellulose/polyaniline. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 883-901.	7.5	25
29	Development and evolution of biocyanidation in metal recovery from solid waste: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 509-530.	8.1	16
30	Biosynthesis of silica nanoparticle using <i>Saccharomyces cerevisiae</i> and its application on enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2020, 190, 107002.	4.2	38
31	Effect of Alkali Treatment on Diameter and Tensile Properties of <i>Yucca Gloriosa</i> Fiber Using Response Surface Methodology. <i>Journal of Natural Fibers</i> , 2020, , 1-14.	3.1	8
32	Effect of biogenic jarosite on the bio-immobilization of toxic elements from sulfide tailings. <i>Chemosphere</i> , 2020, 258, 127288.	8.2	21
33	Comprehensive characterization and environmental risk assessment of end-of-life automotive catalytic converters to arrange a sustainable roadmap for future recycling practices. <i>Journal of Hazardous Materials</i> , 2020, 400, 123186.	12.4	39
34	A Systems-Based Approach for Cyanide Overproduction by <i>Bacillus megaterium</i> for Gold Bioleaching Enhancement. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 528.	4.1	19
35	Energy efficiency improvement in nitric oxide reduction by packed DBD plasma: optimization and modeling using response surface methodology(RSM). <i>Environmental Science and Pollution Research</i> , 2020, 27, 16100-16109.	5.3	4
36	Lightweight aerogels based on bacterial cellulose/silver nanoparticles/polyaniline with tuning morphology of polyaniline and application in soft tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 57-67.	7.5	64

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37	Enhanced bioleaching of Cr and Ni from a chromium-rich electroplating sludge using the filtrated culture of <i>Aspergillus niger</i> . Journal of Cleaner Production, 2020, 264, 121622.	9.3	45
38	Investigation of synergistic effects between silica nanoparticles, biosurfactant and salinity in simultaneous flooding for enhanced oil recovery. RSC Advances, 2019, 9, 20281-20294.	3.6	31
39	Minimization of metal sulphides bioleaching from mine wastes into the aquatic environment. Ecotoxicology and Environmental Safety, 2019, 182, 109443.	6.0	7
40	Optimal electronic waste combination for maximal recovery of Cu-Ni-Fe by <i>Acidithiobacillus ferrooxidans</i> . Journal of Cleaner Production, 2019, 240, 118077.	9.3	23
41	Valorization of waste cooking oil based biodiesel for biolubricant production in a vertical pulsed column: Energy efficient process approach. Energy, 2019, 189, 116266.	8.8	22
42	Environmentally friendly recovery of valuable metals from spent coin cells through two-step bioleaching using <i>Acidithiobacillus thiooxidans</i> . Journal of Environmental Management, 2019, 235, 357-367.	7.8	74
43	A novel step-wise indirect bioleaching using biogenic ferric agent for enhancement recovery of valuable metals from waste light emitting diode (WLED). Journal of Hazardous Materials, 2019, 378, 120648.	12.4	49
44	Using bacterial culture supernatant for extraction of manganese and zinc from waste alkaline button-cell batteries. Hydrometallurgy, 2019, 188, 81-91.	4.3	23
45	Conductive network formation in bacterial cellulose-based nanocomposite aerogels. Composites Part B: Engineering, 2019, 174, 106981.	12.0	18
46	Novel hierarchical HZSM-5 zeolites prepared by combining desilication and steaming modification for converting methanol to propylene process. Journal of Porous Materials, 2019, 26, 1407-1425.	2.6	12
47	Physicochemical characterization and optimization of glycolipid biosurfactant production by a native strain of <i>Pseudomonas aeruginosa</i> HAK01 and its performance evaluation for the MEOR process. RSC Advances, 2019, 9, 7932-7947.	3.6	76
48	Advances in bioleaching as a sustainable method for metal recovery from e-waste: A review. Journal of Industrial and Engineering Chemistry, 2019, 76, 75-90.	5.8	173
49	Bacterial leaching as a green approach for typical metals recovery from end-of-life coin cells batteries. Journal of Cleaner Production, 2019, 220, 483-492.	9.3	73
50	Aeration challenge in high BSG suspended fermentation: Impact of stirred-tank bioreactor scale. Biomass and Bioenergy, 2019, 130, 105386.	5.7	5
51	Manually curated genome-scale reconstruction of the metabolic network of <i>Bacillus megaterium</i> DSM319. Scientific Reports, 2019, 9, 18762.	3.3	21
52	Biolubricant production from edible and novel indigenous vegetable oils: mainstream methodology, and prospects and challenges in Iran. Biofuels, Bioproducts and Biorefining, 2019, 13, 838-849.	3.7	18
53	Synthesis of highly crystalline nanosized HZSM-5 catalyst employing combined hydrothermal and sonochemical method: Investigation of ultrasonic parameters on physico-chemical and catalytic performance in methanol to propylene reaction. Journal of Solid State Chemistry, 2019, 271, 8-22.	2.9	12
54	Study of plastics elimination in bioleaching of electronic waste using <i>Acidithiobacillus ferrooxidans</i> . International Journal of Environmental Science and Technology, 2019, 16, 7113-7126.	3.5	18

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55	Bio-hydrometallurgical Methods For Recycling Spent Lithium-Ion Batteries. , 2019, , 161-197.		10
56	Purification of extra cellular poly-Î³-glutamic acid as an antibacterial agent using anion exchange chromatography. International Journal of Biological Macromolecules, 2018, 113, 142-149.	7.5	20
57	CFD simulation of fluid flow in a novel prototype radial mixed plug-flow reactor. Journal of Industrial and Engineering Chemistry, 2018, 64, 124-133.	5.8	17
58	Advances in bioleaching for recovery of metals and bioremediation of fuel ash and sewage sludge. Bioresource Technology, 2018, 261, 428-440.	9.6	146
59	Bioleaching of indium from discarded liquid crystal displays. Journal of Cleaner Production, 2018, 180, 417-429.	9.3	68
60	Biosynthesis of highly porous bacterial cellulose nanofibers. AIP Conference Proceedings, 2018, , .	0.4	0
61	Application of a mixed culture of adapted acidophilic bacteria in two-step bioleaching of spent lithium-ion laptop batteries. Journal of Power Sources, 2018, 378, 19-30.	7.8	149
62	BC/rGO conductive nanocomposite aerogel as a strain sensor. Polymer, 2018, 137, 82-96.	3.8	43
63	Mathematical modeling of ethanol production in solid-state fermentation based on solid mediumâ€™ dry weight variation. Preparative Biochemistry and Biotechnology, 2018, 48, 372-377.	1.9	1
64	Simulation of phenol biodegradation by Ralstonia eutropha in a packed-bed bioreactor with batch recycle mode using CFD technique. Journal of Industrial and Engineering Chemistry, 2018, 59, 310-319.	5.8	19
65	A Comprehensive Review on the Bioremediation of Oil Spills. , 2018, , 223-254.		17
66	Preparation of hierarchical HZSM-5 zeolites with combined desilication with NaAlO <sub>2</sub> /tetrapropylammonium hydroxide and acid modification for converting methanol to propylene. RSC Advances, 2018, 8, 41131-41142.	3.6	16
67	Content evaluation of different waste PCBs to enhance basic metals recycling. Resources, Conservation and Recycling, 2018, 139, 298-306.	10.8	86
68	Dynamic mechanical properties of bacterial cellulose nanofibres. Iranian Polymer Journal (English) Tj ETQq0 0 0 rgBT, /Overlock, 10 Tf 50 2	2.4	15
69	Use of adapted metal tolerant Aspergillus niger to enhance bioleaching efficiency of valuable metals from spent lithium-ion mobile phone batteries. Journal of Cleaner Production, 2018, 197, 1546-1557.	9.3	133
70	RSM based optimization of PEG assisted ionic liquid pretreatment of sugarcane bagasse for enhanced bioethanol production: Effect of process parameters. Biomass and Bioenergy, 2018, 116, 89-98.	5.7	39
71	Enhancement of copper, nickel, and gallium recovery from LED waste by adaptation of Acidithiobacillus ferrooxidans. Waste Management, 2018, 79, 98-108.	7.4	72
72	Conductive bacterial cellulose/multiwall carbon nanotubes nanocomposite aerogel as a potentially flexible lightweight strain sensor. Carbohydrate Polymers, 2018, 201, 228-235.	10.2	108

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73	Bioleaching of Different Pyrites and Sphalerite in the Presence of Graphite. Geomicrobiology Journal, 2017, 34, 97-108.	2.0	9
74	Effects of municipal wastewater on soil chemical properties in cultivating turfgrass using subsurface drip irrigation. Journal of Plant Nutrition, 2017, 40, 1133-1142.	1.9	1
75	The effect of increasing the pore size of nanofibrous scaffolds on the osteogenic cell culture using a combination of sacrificial agent electrospinning and ultrasonication. Journal of Biomedical Materials Research - Part A, 2017, 105, 1887-1899.	4.0	31
76	Biosynthesis and physicochemical characterization of a bacterial polysaccharide/polyamide blend, applied for microfluidics study in porous media. International Journal of Biological Macromolecules, 2017, 96, 100-110.	7.5	9
77	Enhanced recovery of valuable metals from spent lithium-ion batteries through optimization of organic acids produced by <i>Aspergillus niger</i> . Waste Management, 2017, 60, 666-679.	7.4	179
78	KINETIC CONSTANTS DETERMINATION OF PETROLEUM REFINERY EFFLUENT TREATMENT IN A UASB REACTOR USING RSM. Environmental Engineering and Management Journal, 2017, 16, 121-130.	0.6	1
79	Osteogenic Differentiation and Mineralization on Compact Multilayer nHA-PCL Electrospun Scaffolds in a Perfusion Bioreactor. Iranian Journal of Biotechnology, 2016, 14, 41-49.	0.3	5
80	Characterization of produced xylanase by <i>Bacillus subtilis</i> D3d newly isolated from apricot phyllosphere and its potential in pre-digestion of BSG. Journal of Industrial and Engineering Chemistry, 2016, 37, 251-260.	5.8	12
81	Enhancement of xylanase productivity using industrial by-products under solid suspended fermentation in a stirred tank bioreactor, with a dissolved oxygen constant control strategy. RSC Advances, 2016, 6, 35559-35567.	3.6	5
82	Maximization of organic acids production by <i>Aspergillus niger</i> in a bubble column bioreactor for V and Ni recovery enhancement from power plant residual ash in spent-medium bioleaching experiments. Bioresource Technology, 2016, 216, 729-736.	9.6	58
83	Fungal leaching of valuable metals from a power plant residual ash using <i>Penicillium simplicissimum</i> : Evaluation of thermal pretreatment and different bioleaching methods. Waste Management, 2016, 52, 309-317.	7.4	48
84	Experiments and a three-phase computational fluid dynamics (CFD) simulation coupled with population balance equations of a stirred tank bioreactor for high cell density cultivation. Canadian Journal of Chemical Engineering, 2016, 94, 20-32.	1.7	23
85	Kinetic modeling of mixotrophic growth of <i>Chlorella vulgaris</i> as a new feedstock for biolubricant. Journal of Applied Phycology, 2016, 28, 2707-2717.	2.8	16
86	Bioleaching of valuable metals from spent lithium-ion mobile phone batteries using <i>Aspergillus niger</i> . Journal of Power Sources, 2016, 320, 257-266.	7.8	308
87	Role of <i>Aspergillus niger</i> in recovery enhancement of valuable metals from produced red mud in Bayer process. Bioresource Technology, 2016, 218, 991-998.	9.6	91
88	Enhancement of simultaneous gold and copper recovery from discarded mobile phone PCBs using <i>Bacillus megaterium</i> : RSM based optimization of effective factors and evaluation of their interactions. Waste Management, 2016, 57, 158-167.	7.4	59
89	V and Ni recovery from a vanadium-rich power plant residual ash using acid producing fungi: <i>Aspergillus niger</i> and <i>Penicillium simplicissimum</i> . RSC Advances, 2016, 6, 9139-9151.	3.6	36
90	Bioleaching of fuel-oil ash using <i>Acidithiobacillus thiooxidans</i> in shake flasks and a slurry bubble column bioreactor. RSC Advances, 2016, 6, 21756-21764.	3.6	30

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91	Investigation of mixotrophic, heterotrophic, and autotrophic growth of <i>Chlorella vulgaris</i> under agricultural waste medium. Preparative Biochemistry and Biotechnology, 2016, 46, 150-156.	1.9	42
92	Biodegradation of heptadecane in hydrocarbon polluted dune sands using a newly-isolated thermophilic bacterium, <i>Brevibacillus borstelensis</i> TMU30: statistical evaluation and process optimization. RSC Advances, 2015, 5, 33414-33422.	3.6	3
93	A study on cell surface hydrophobicity, growth and metabolism of <i>Zymomonas mobilis</i> influenced by PEG as a pretreatment agent. RSC Advances, 2015, 5, 48176-48180.	3.6	3
94	Study of microbiological and operational parameters in thermophilic syntrophic degradation of volatile fatty acids in an upflow anaerobic sludge blanket reactor. Journal of Environmental Chemical Engineering, 2015, 3, 507-514.	6.7	9
95	Optimization and partial purification of a high-activity lipase synthesized by a newly isolated <i>Acinetobacter</i> from offshore waters of the Caspian Sea under solid-state fermentation. RSC Advances, 2015, 5, 12052-12061.	3.6	13
96	Three-phase CFD simulation coupled with population balance equations of anaerobic syntrophic acidogenesis and methanogenesis reactions in a continuous stirred bioreactor. Journal of Industrial and Engineering Chemistry, 2015, 27, 207-217.	5.8	39
97	Factors affecting viability of <i>Bifidobacterium bifidum</i> during spray drying. DARU, Journal of Pharmaceutical Sciences, 2015, 23, 7.	2.0	25
98	Bioleaching of V, Ni, and Cu from residual produced in oil fired furnaces using <i>Acidithiobacillus ferrooxidans</i> . Hydrometallurgy, 2015, 157, 50-59.	4.3	44
99	Multi-objective optimization of heavy metals bioleaching from discarded mobile phone PCBs: Simultaneous Cu and Ni recovery using <i>Acidithiobacillus ferrooxidans</i> . Separation and Purification Technology, 2015, 147, 210-219.	7.9	96
100	Biodegradation potential of hydrocarbons in petroleum refinery effluents using a continuous anaerobic-aerobic hybrid system. Korean Journal of Chemical Engineering, 2015, 32, 874-881.	2.7	25
101	Bioleaching of an oil-fired residual: process optimization and nanostructure $\text{NaV}_6\text{O}_{15}$ synthesis from the bioleachate. RSC Advances, 2015, 5, 41088-41097.	3.6	27
102	Experimental study and CFD simulation of phenol removal by immobilization of soybean seed coat in a packed-bed bioreactor. Biochemical Engineering Journal, 2015, 101, 32-43.	3.6	19
103	Investigating the effect of sparger configuration on the hydrodynamics of a full-scale membrane bioreactor using computational fluid dynamics. RSC Advances, 2015, 5, 105218-105226.	3.6	5
104	Bioethanol production performance in a packed bed solid-state fermenter: evaluation of operational factors and intermittent aeration strategies. Annals of Microbiology, 2015, 65, 351-357.	2.6	4
105	Different catalytic behavior of $\alpha$ -amylase in response to the nitrogen substance used in the production phase. Journal of Industrial and Engineering Chemistry, 2015, 21, 772-778.	5.8	6
106	Enhancement of simultaneous gold and copper extraction from computer printed circuit boards using <i>Bacillus megaterium</i> . Bioresource Technology, 2015, 175, 315-324.	9.6	100
107	Development of parallel miniature bubble column bioreactors for fermentation process. Journal of Chemical Technology and Biotechnology, 2015, 90, 1051-1061.	3.2	12
108	Process Optimization and Modeling of Anaerobic Digestion of Cow Manure for Enhanced Biogas Yield in a Mixed Plug-flow Reactor using Response Surface Methodology. Biosciences, Biotechnology Research Asia, 2015, 12, 2333-2344.	0.5	6



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109	Effects of key parameters in recycling of metals from petroleum refinery waste catalysts in bioleaching process. <i>Reviews in Environmental Science and Biotechnology</i> , 2014, 13, 139-161.	8.1	29
110	Bioleaching of heavy metals from a petroleum spent catalyst using <i>Acidithiobacillus thiooxidans</i> in a slurry bubble column bioreactor. <i>Separation and Purification Technology</i> , 2014, 132, 41-49.	7.9	57
111	Modeling and CFD-PBE simulation of an airlift bioreactor for PHB production. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2014, 9, 562-573.	1.5	6
112	Statistical evaluation and optimization of effective parameters in bioleaching of metals from molybdenite concentrate using <i>Acidianus brierleyi</i> . <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3096-3101.	5.8	29
113	Simultaneous recovery of Ni and Cu from computer-printed circuit boards using bioleaching: Statistical evaluation and optimization. <i>Bioresource Technology</i> , 2014, 174, 233-242.	9.6	105
114	Platinum and rhenium extraction from a spent refinery catalyst using <i>Bacillus megaterium</i> as a cyanogenic bacterium: Statistical modeling and process optimization. <i>Bioresource Technology</i> , 2014, 171, 401-409.	9.6	66
115	Bioleaching of high pyrite carbon-rich sphalerite preflotation tailings. <i>Environmental Earth Sciences</i> , 2014, 71, 4675-4682.	2.7	6
116	Statistical evaluation of a liquid desiccant dehumidification system using RSM and theoretical study based on the effectiveness NTU model. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2975-2983.	5.8	30
117	A novel surfactant-assisted ionic liquid pretreatment of sugarcane bagasse for enhanced enzymatic hydrolysis. <i>Bioresource Technology</i> , 2014, 169, 33-37.	9.6	90
118	Bioleaching of heavy metals from spent household batteries using <i>Acidithiobacillus ferrooxidans</i> : Statistical evaluation and optimization. <i>Separation and Purification Technology</i> , 2014, 132, 309-316.	7.9	120
119	Cr and Ni recovery during bioleaching of dewatered metal-plating sludge using <i>Acidithiobacillus ferrooxidans</i> . <i>Bioresource Technology</i> , 2014, 167, 61-68.	9.6	56
120	Screening and optimization of effective parameters in biological extraction of heavy metals from refinery spent catalysts using a thermophilic bacterium. <i>Separation and Purification Technology</i> , 2013, 118, 151-161.	7.9	56
121	Equilibrium and kinetic studies of the adsorption of sodium dodecyl sulfate from aqueous solution using bone char. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 109, 433-446.	1.7	12
122	Experimental Study and Computational Fluid Dynamics Simulation of a Full-Scale Membrane Bioreactor for Municipal Wastewater Treatment Application. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 9930-9939.	3.7	36
123	Bioleaching of sphalerite sample from Kooshk lead-zinc tailing dam. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 3763-3769.	4.2	19
124	Comparison of submerged and solid state fermentation systems effects on the catalytic activity of <i>Bacillus</i> sp. KR-8104 $\alpha$ -amylase at different pH and temperatures. <i>Industrial Crops and Products</i> , 2013, 43, 661-667.	5.2	37
125	Bioleaching of spent refinery catalysts: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1069-1081.	5.8	154
126	Eudragit RS PO nanoparticles for sustained release of pyridostigmine bromide. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	9



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127	Optimization of the removal of phenol by soybean seed coats using response surface methodology. <i>Water Science and Technology</i> , 2012, 66, 2229-2236.	2.5	3
128	Analysis of the Syntrophic Anaerobic Digestion of Volatile Fatty Acids Using Enriched Cultures in a Fixed-Bed Reactor. <i>Water Environment Research</i> , 2012, 84, 460-472.	2.7	11
129	The possible mechanisms involved in nanoparticles biosynthesis. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 2046-2050.	5.8	16
130	Bioleaching kinetics of a spent refinery catalyst using <i>Aspergillus niger</i> at optimal conditions. <i>Biochemical Engineering Journal</i> , 2012, 67, 208-217.	3.6	112
131	Bioethanol production from carob pods by solid-state fermentation with <i>Zymomonas mobilis</i> . <i>Applied Energy</i> , 2012, 99, 372-378.	10.1	39
132	The Efficiency of Temperature-Shift Strategy to Improve the Production of $\alpha$ -Amylase by <i>Bacillus</i> sp. in a Solid-State Fermentation System. <i>Food and Bioprocess Technology</i> , 2012, 5, 1093-1099.	4.7	5
133	Response surface methodology analysis of anaerobic syntrophic degradation of volatile fatty acids in an upflow anaerobic sludge bed reactor inoculated with enriched cultures. <i>Biotechnology and Bioengineering</i> , 2012, 17, 133-144.	2.6	10
134	Asphaltene biodegradation using microorganisms isolated from oil samples. <i>Fuel</i> , 2012, 93, 142-148.	6.4	84
135	Process optimization and modeling of heavy metals extraction from a molybdenum rich spent catalyst by <i>Aspergillus niger</i> using response surface methodology. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 218-224.	5.8	73
136	Optimization of petroleum refinery effluent treatment in a UASB reactor using response surface methodology. <i>Journal of Hazardous Materials</i> , 2011, 197, 26-32.	12.4	77
137	The potential of brewer's spent grain to improve the production of $\alpha$ -amylase by <i>Bacillus</i> sp. KR-8104 in submerged fermentation system. <i>New Biotechnology</i> , 2011, 28, 165-172.	4.4	30
138	Bioleaching of tungsten-rich spent hydrocracking catalyst using <i>Penicillium simplicissimum</i> . <i>Bioresource Technology</i> , 2011, 102, 1567-1573.	9.6	95
139	Using enriched cultures for elevation of anaerobic syntrophic interactions between acetogens and methanogens in a high-load continuous digester. <i>Bioresource Technology</i> , 2011, 102, 3716-3723.	9.6	32
140	Performance evaluation of fast Fourier-transform continuous cyclic-voltammetry pesticide biosensor. <i>Analytica Chimica Acta</i> , 2011, 687, 168-176.	5.4	13
141	Mathematical modeling of biomass and $\alpha$ -amylase production kinetics by <i>Bacillus</i> sp. in solid-state fermentation based on solid dry weight variation. <i>Biochemical Engineering Journal</i> , 2011, 53, 159-164.	3.6	26
142	Bacterial leaching of a spent Mo-Co-Ni refinery catalyst using <i>Acidithiobacillus ferrooxidans</i> and <i>Acidithiobacillus thiooxidans</i> . <i>Hydrometallurgy</i> , 2011, 106, 26-31.	4.3	78
143	Recovery of metals from spent refinery hydrocracking catalyst using adapted <i>Aspergillus niger</i> . <i>Hydrometallurgy</i> , 2011, 109, 65-71.	4.3	60
144	Evaluation of the replacement of NaCN with <i>Acidithiobacillus ferrooxidans</i> in the flotation of high-pyrite, low-grade lead-zinc ore. <i>Separation and Purification Technology</i> , 2011, 80, 202-208.	7.9	39

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145	Enhancement of bioleaching of a spent Ni/Mo hydroprocessing catalyst by <i>Penicillium simplicissimum</i> . Separation and Purification Technology, 2011, 80, 566-576.	7.9	87
146	Evaluation and optimization of factors affecting the performance of a flow-through system based on immobilized acetylcholineesterase as a biosensor. Biotechnology and Bioprocess Engineering, 2010, 15, 383-391.	2.6	5
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