

Seyyed Mohammad Mousavi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2577457/publications.pdf>

Version: 2024-02-01

165
papers

6,034
citations

81434

41
h-index

107981

68
g-index

165
all docs

165
docs citations

165
times ranked

4905
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasonic-assisted acid and ionic liquid hydrolysis of microalgae for bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 16001-16014.	2.9	2
2	The influence of alkaline treatment on acoustical, morphological, tensile and thermal properties of Kenaf natural fibers. <i>Journal of Industrial Textiles</i> , 2022, 51, 8601S-8625S.	1.1	32
3	Optimization and Modeling of Sound-Absorption Properties of Natural Fibers for Acoustical Application. <i>Journal of Natural Fibers</i> , 2022, 19, 7157-7173.	1.7	9
4	Efficient extraction of critical elements from end-of-life automotive catalytic converters via alkaline pretreatment followed by leaching with a complexing agent. <i>Journal of Cleaner Production</i> , 2022, 344, 131064.	4.6	13
5	Insights into the polysaccharides and proteins production from <i>Penicillium citrinum</i> during bioleaching of spent coin cells. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1133-1143.	3.6	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. <i>Journal of Hazardous Materials</i> , 2022, 430, 128509.	6.5	19
7	Innovative bio-acid leaching method for high recovery of critical metals from end-of-life light emitting diodes. <i>Resources, Conservation and Recycling</i> , 2022, 182, 106306.	5.3	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. <i>Reviews in Environmental Science and Biotechnology</i> , 2022, 21, 447-468.	3.9	17
10	Complete bioleaching of Co and Ni from spent batteries by a novel silver ion catalyzed process. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 5301-5316.	1.7	6
11	Stability and performance of poly \hat{I}^3 -(glutamic acid) in the presence of sulfate ion for enhanced heavy oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107688.	2.1	5
12	A novel computational simulation approach to study biofilm significance in a packed-bed biooxidation reactor. <i>Chemosphere</i> , 2021, 262, 127680.	4.2	5
13	Bacterial cellulose/polyaniline nanocomposite aerogels as novel bioadsorbents for removal of hexavalent chromium: Experimental and simulation study. <i>Journal of Cleaner Production</i> , 2021, 278, 123817.	4.6	53
14	Recovery of valuable metals from spent mobile phone printed circuit boards using biochar in indirect bioleaching. <i>Journal of Environmental Management</i> , 2021, 280, 111642.	3.8	30
15	Effect of Particle Size in Polyethyltene Glycol-Assisted [BMIM][Cl] Pretreatment of Sugarcane Bagasse. <i>Bioenergy Research</i> , 2021, 14, 1136-1146.	2.2	5
16	Display of hidden properties of flexible aerogel based on bacterial cellulose/polyaniline nanocomposites with helping of multiscale modeling. <i>European Polymer Journal</i> , 2021, 146, 110251.	2.6	26
17	Removal of sulfur dioxide from air using a packed-bed DBD plasma reactor (PBR) and in-plasma catalysis (IPC) hybrid system. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42821-42836.	2.7	3
18	Bioleaching of critical metals from waste OLED touch screens using adapted acidophilic bacteria. <i>Journal of Environmental Health Science & Engineering</i> , 2021, 19, 893-906.	1.4	12

#	ARTICLE	IF	CITATIONS
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.	2.6	1
20	Three-dimensional CFD simulation of anaerobic reactions in a continuous packed-bed bioreactor. <i>Renewable Energy</i> , 2021, 169, 461-472.	4.3	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.	4.6	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.	3.7	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.	3.9	12
24	Material properties and cell compatibility of poly(β -glutamic acid)-keratin hydrogels. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 790-802.	3.6	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.	1.6	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.	3.6	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.	5.1	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.	3.6	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.	3.9	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.	2.1	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.	1.7	8
32	Effect of biogenic jarosite on the bio-immobilization of toxic elements from sulfide tailings. <i>Chemosphere</i> , 2020, 258, 127288.	4.2	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.	6.5	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.	2.0	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.	2.7	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.	3.6	64

#	ARTICLE	IF	CITATIONS
37	Enhanced bioleaching of Cr and Ni from a chromium-rich electroplating sludge using the filtrated culture of <i>Aspergillus niger</i> . <i>Journal of Cleaner Production</i> , 2020, 264, 121622.	4.6	45
38	Investigation of synergistic effects between silica nanoparticles, biosurfactant and salinity in simultaneous flooding for enhanced oil recovery. <i>RSC Advances</i> , 2019, 9, 20281-20294.	1.7	31
39	Minimization of metal sulphides bioleaching from mine wastes into the aquatic environment. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109443.	2.9	7
40	Optimal electronic waste combination for maximal recovery of Cu-Ni-Fe by <i>Acidithiobacillus ferrooxidans</i> . <i>Journal of Cleaner Production</i> , 2019, 240, 118077.	4.6	23
41	Valorization of waste cooking oil based biodiesel for biolubricant production in a vertical pulsed column: Energy efficient process approach. <i>Energy</i> , 2019, 189, 116266.	4.5	22
42	Environmentally friendly recovery of valuable metals from spent coin cells through two-step bioleaching using <i>Acidithiobacillus thiooxidans</i> . <i>Journal of Environmental Management</i> , 2019, 235, 357-367.	3.8	74
43	A novel step-wise indirect bioleaching using biogenic ferric agent for enhancement recovery of valuable metals from waste light emitting diode (WLED). <i>Journal of Hazardous Materials</i> , 2019, 378, 120648.	6.5	49
44	Using bacterial culture supernatant for extraction of manganese and zinc from waste alkaline button-cell batteries. <i>Hydrometallurgy</i> , 2019, 188, 81-91.	1.8	23
45	Conductive network formation in bacterial cellulose-based nanocomposite aerogels. <i>Composites Part B: Engineering</i> , 2019, 174, 106981.	5.9	18
46	Novel hierarchical HZSM-5 zeolites prepared by combining desilication and steaming modification for converting methanol to propylene process. <i>Journal of Porous Materials</i> , 2019, 26, 1407-1425.	1.3	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. <i>RSC Advances</i> , 2019, 9, 7932-7947.	1.7	76
48	Advances in bioleaching as a sustainable method for metal recovery from e-waste: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 76, 75-90.	2.9	173
49	Bacterial leaching as a green approach for typical metals recovery from end-of-life coin cells batteries. <i>Journal of Cleaner Production</i> , 2019, 220, 483-492.	4.6	73
50	Aeration challenge in high BSG suspended fermentation: Impact of stirred-tank bioreactor scale. <i>Biomass and Bioenergy</i> , 2019, 130, 105386.	2.9	5
51	Manually curated genome-scale reconstruction of the metabolic network of <i>Bacillus megaterium</i> DSM319. <i>Scientific Reports</i> , 2019, 9, 18762.	1.6	21
52	Biolubricant production from edible and novel indigenous vegetable oils: mainstream methodology, and prospects and challenges in Iran. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 838-849.	1.9	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. <i>Journal of Solid State Chemistry</i> , 2019, 271, 8-22.	1.4	12
54	Study of plastics elimination in bioleaching of electronic waste using <i>Acidithiobacillus ferrooxidans</i> . <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7113-7126.	1.8	18

#	ARTICLE	IF	CITATIONS
55	Bio-hydrometallurgical Methods For Recycling Spent Lithium-Ion Batteries. , 2019, , 161-197.		10
56	Purification of extra cellular poly- γ -glutamic acid as an antibacterial agent using anion exchange chromatography. International Journal of Biological Macromolecules, 2018, 113, 142-149.	3.6	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.	2.9	17
58	Advances in bioleaching for recovery of metals and bioremediation of fuel ash and sewage sludge. Bioresource Technology, 2018, 261, 428-440.	4.8	146
59	Bioleaching of indium from discarded liquid crystal displays. Journal of Cleaner Production, 2018, 180, 417-429.	4.6	68
60	Biosynthesis of highly porous bacterial cellulose nanofibers. AIP Conference Proceedings, 2018, , .	0.3	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.	4.0	149
62	BC/rGO conductive nanocomposite aerogel as a strain sensor. Polymer, 2018, 137, 82-96.	1.8	43
63	Mathematical modeling of ethanol production in solid-state fermentation based on solid medium's dry weight variation. Preparative Biochemistry and Biotechnology, 2018, 48, 372-377.	1.0	1
64	Simulation of phenol biodegradation by <i>Ralstonia eutropha</i> in a packed-bed bioreactor with batch recycle mode using CFD technique. Journal of Industrial and Engineering Chemistry, 2018, 59, 310-319.	2.9	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_2 /tetrapropylammonium hydroxide and acid modification for converting methanol to propylene. RSC Advances, 2018, 8, 41131-41142.	1.7	16
67	Content evaluation of different waste PCBs to enhance basic metals recycling. Resources, Conservation and Recycling, 2018, 139, 298-306.	5.3	86
68	Dynamic mechanical properties of bacterial cellulose nanofibres. Iranian Polymer Journal (English) Tj ETQq0 0 0 rgBTj Overlock 10 Tf 50 2	1.3	15
69	Use of adapted metal tolerant <i>Aspergillus niger</i> to enhance bioleaching efficiency of valuable metals from spent lithium-ion mobile phone batteries. Journal of Cleaner Production, 2018, 197, 1546-1557.	4.6	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.	2.9	39
71	Enhancement of copper, nickel, and gallium recovery from LED waste by adaptation of <i>Acidithiobacillus ferrooxidans</i> . Waste Management, 2018, 79, 98-108.	3.7	72
72	Conductive bacterial cellulose/multiwall carbon nanotubes nanocomposite aerogel as a potentially flexible lightweight strain sensor. Carbohydrate Polymers, 2018, 201, 228-235.	5.1	108

#	ARTICLE	IF	CITATIONS
73	Bioleaching of Different Pyrites and Sphalerite in the Presence of Graphite. <i>Geomicrobiology Journal</i> , 2017, 34, 97-108.	1.0	9
74	Effects of municipal wastewater on soil chemical properties in cultivating turfgrass using subsurface drip irrigation. <i>Journal of Plant Nutrition</i> , 2017, 40, 1133-1142.	0.9	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. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1887-1899.	2.1	31
76	Biosynthesis and physicochemical characterization of a bacterial polysaccharide/polyamide blend, applied for microfluidics study in porous media. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 100-110.	3.6	9
77	Enhanced recovery of valuable metals from spent lithium-ion batteries through optimization of organic acids produced by <i>Aspergillus niger</i> . <i>Waste Management</i> , 2017, 60, 666-679.	3.7	179
78	KINETIC CONSTANTS DETERMINATION OF PETROLEUM REFINERY EFFLUENT TREATMENT IN A UASB REACTOR USING RSM. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 121-130.	0.2	1
79	Osteogenic Differentiation and Mineralization on Compact Multilayer nHA-PCL Electrospun Scaffolds in a Perfusion Bioreactor. <i>Iranian Journal of Biotechnology</i> , 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. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 37, 251-260.	2.9	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. <i>RSC Advances</i> , 2016, 6, 35559-35567.	1.7	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. <i>Bioresource Technology</i> , 2016, 216, 729-736.	4.8	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. <i>Waste Management</i> , 2016, 52, 309-317.	3.7	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. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 20-32.	0.9	23
85	Kinetic modeling of mixotrophic growth of <i>Chlorella vulgaris</i> as a new feedstock for biolubricant. <i>Journal of Applied Phycology</i> , 2016, 28, 2707-2717.	1.5	16
86	Bioleaching of valuable metals from spent lithium-ion mobile phone batteries using <i>Aspergillus niger</i> . <i>Journal of Power Sources</i> , 2016, 320, 257-266.	4.0	308
87	Role of <i>Aspergillus niger</i> in recovery enhancement of valuable metals from produced red mud in Bayer process. <i>Bioresource Technology</i> , 2016, 218, 991-998.	4.8	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. <i>Waste Management</i> , 2016, 57, 158-167.	3.7	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> . <i>RSC Advances</i> , 2016, 6, 9139-9151.	1.7	36
90	Bioleaching of fuel-oil ash using <i>Acidithiobacillus thiooxidans</i> in shake flasks and a slurry bubble column bioreactor. <i>RSC Advances</i> , 2016, 6, 21756-21764.	1.7	30

#	ARTICLE	IF	CITATIONS
91	Investigation of mixotrophic, heterotrophic, and autotrophic growth of <i>Chlorella vulgaris</i> under agricultural waste medium. <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 150-156.	1.0	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. <i>RSC Advances</i> , 2015, 5, 33414-33422.	1.7	3
93	A study on cell surface hydrophobicity, growth and metabolism of <i>Zymomonas mobilis</i> influenced by PEG as a pretreatment agent. <i>RSC Advances</i> , 2015, 5, 48176-48180.	1.7	3
94	Study of microbiological and operational parameters in thermophilic syntrophic degradation of volatile fatty acids in an upflow anaerobic sludge blanket reactor. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 507-514.	3.3	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. <i>RSC Advances</i> , 2015, 5, 12052-12061.	1.7	13
96	Three-phase CFD simulation coupled with population balance equations of anaerobic syntrophic acidogenesis and methanogenesis reactions in a continuous stirred bioreactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 27, 207-217.	2.9	39
97	Factors affecting viability of <i>Bifidobacterium bifidum</i> during spray drying. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2015, 23, 7.	0.9	25
98	Bioleaching of V, Ni, and Cu from residual produced in oil fired furnaces using <i>Acidithiobacillus ferrooxidans</i> . <i>Hydrometallurgy</i> , 2015, 157, 50-59.	1.8	44
99	Multi-objective optimization of heavy metals bioleaching from discarded mobile phone PCBs: Simultaneous Cu and Ni recovery using <i>Acidithiobacillus ferrooxidans</i> . <i>Separation and Purification Technology</i> , 2015, 147, 210-219.	3.9	96
100	Biodegradation potential of hydrocarbons in petroleum refinery effluents using a continuous anaerobic-aerobic hybrid system. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 874-881.	1.2	25
101	Bioleaching of an oil-fired residual: process optimization and nanostructure $\text{NaV}_6\text{O}_{15}$ synthesis from the bioleachate. <i>RSC Advances</i> , 2015, 5, 41088-41097.	1.7	27
102	Experimental study and CFD simulation of phenol removal by immobilization of soybean seed coat in a packed-bed bioreactor. <i>Biochemical Engineering Journal</i> , 2015, 101, 32-43.	1.8	19
103	Investigating the effect of sparger configuration on the hydrodynamics of a full-scale membrane bioreactor using computational fluid dynamics. <i>RSC Advances</i> , 2015, 5, 105218-105226.	1.7	5
104	Bioethanol production performance in a packed bed solid-state fermenter: evaluation of operational factors and intermittent aeration strategies. <i>Annals of Microbiology</i> , 2015, 65, 351-357.	1.1	4
105	Different catalytic behavior of α -amylase in response to the nitrogen substance used in the production phase. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 772-778.	2.9	6
106	Enhancement of simultaneous gold and copper extraction from computer printed circuit boards using <i>Bacillus megaterium</i> . <i>Bioresource Technology</i> , 2015, 175, 315-324.	4.8	100
107	Development of parallel miniature bubble column bioreactors for fermentation process. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1051-1061.	1.6	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. <i>Biosciences, Biotechnology Research Asia</i> , 2015, 12, 2333-2344.	0.2	6

#	ARTICLE	IF	CITATIONS
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.	3.9	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.	3.9	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.	0.8	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.	2.9	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.	4.8	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.	4.8	66
115	Bioleaching of high pyrite carbon-rich sphalerite preflotation tailings. <i>Environmental Earth Sciences</i> , 2014, 71, 4675-4682.	1.3	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.	2.9	30
117	A novel surfactant-assisted ionic liquid pretreatment of sugarcane bagasse for enhanced enzymatic hydrolysis. <i>Bioresource Technology</i> , 2014, 169, 33-37.	4.8	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.	3.9	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.	4.8	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.	3.9	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.	0.8	12
122	Experimental Study and Computational Fluid Dynamics Simulation of a Full-Scale Membrane Bioreactor for Municipal Wastewater Treatment Application. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9930-9939.	1.8	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.	1.7	19
124	Comparison of submerged and solid state fermentation systems effects on the catalytic activity of <i>Bacillus sp.</i> KR-8104 α -amylase at different pH and temperatures. <i>Industrial Crops and Products</i> , 2013, 43, 661-667.	2.5	37
125	Bioleaching of spent refinery catalysts: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1069-1081.	2.9	154
126	Eudragit RS PO nanoparticles for sustained release of pyridostigmine bromide. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	9

#	ARTICLE	IF	CITATIONS
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.	1.2	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.	1.3	11
129	The possible mechanisms involved in nanoparticles biosynthesis. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 2046-2050.	2.9	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.	1.8	112
131	Bioethanol production from carob pods by solid-state fermentation with <i>Zymomonas mobilis</i> . <i>Applied Energy</i> , 2012, 99, 372-378.	5.1	39
132	The Efficiency of Temperature-Shift Strategy to Improve the Production of α -Amylase by <i>Bacillus</i> sp. in a Solid-State Fermentation System. <i>Food and Bioprocess Technology</i> , 2012, 5, 1093-1099.	2.6	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 Bioprocess Engineering</i> , 2012, 17, 133-144.	1.4	10
134	Asphaltene biodegradation using microorganisms isolated from oil samples. <i>Fuel</i> , 2012, 93, 142-148.	3.4	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.	2.9	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.	6.5	77
137	The potential of brewer's spent grain to improve the production of α -amylase by <i>Bacillus</i> sp. KR-8104 in submerged fermentation system. <i>New Biotechnology</i> , 2011, 28, 165-172.	2.4	30
138	Bioleaching of tungsten-rich spent hydrocracking catalyst using <i>Penicillium simplicissimum</i> . <i>Bioresource Technology</i> , 2011, 102, 1567-1573.	4.8	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.	4.8	32
140	Performance evaluation of fast Fourier-transform continuous cyclic-voltammetry pesticide biosensor. <i>Analytica Chimica Acta</i> , 2011, 687, 168-176.	2.6	13
141	Mathematical modeling of biomass and α -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.	1.8	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.	1.8	78
143	Recovery of metals from spent refinery hydrocracking catalyst using adapted <i>Aspergillus niger</i> . <i>Hydrometallurgy</i> , 2011, 109, 65-71.	1.8	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.	3.9	39

#	ARTICLE	IF	CITATIONS
145	Enhancement of bioleaching of a spent Ni/Mo hydroprocessing catalyst by <i>Penicillium simplicissimum</i> . <i>Separation and Purification Technology</i> , 2011, 80, 566-576.	3.9	87
146	Evaluation and optimization of factors affecting the performance of a flow-through system based on immobilized acetylcholineesterase as a biosensor. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 383-391.	1.4	5
147	Depression of pyrite in the flotation of high pyrite low-grade lead-zinc ore using <i>Acidithiobacillus ferrooxidans</i> . <i>Minerals Engineering</i> , 2010, 23, 10-16.	1.8	28
148	Development of a solid-state fermentation process for production of an alpha amylase with potentially interesting properties. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 333-337.	1.1	52
149	CFD simulation and optimization of effective parameters for biomass production in a horizontal tubular loop bioreactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2010, 49, 1249-1258.	1.8	13
150	Numerical investigation of blood flow. Part II: In capillaries. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 1396-1402.	1.7	35
151	CFD simulation and evaluation of controllable parameters effect on thermomagnetic convection in ferrofluids using Taguchi technique. <i>Computers and Fluids</i> , 2008, 37, 1344-1353.	1.3	26
152	Numerical investigation of blood flow. Part I: In microvessel bifurcations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 1615-1626.	1.7	17
153	Experiments and CFD simulation of ferrous biooxidation in a bubble column bioreactor. <i>Computers and Chemical Engineering</i> , 2008, 32, 1681-1688.	2.0	16
154	Simulation of heat transfer in a ferrofluid using computational fluid dynamics technique. <i>International Journal of Heat and Fluid Flow</i> , 2008, 29, 1197-1202.	1.1	97
155	Statistical evaluation and optimization of factors affecting the leaching performance of a sphalerite concentrate. <i>International Journal of Mineral Processing</i> , 2008, 89, 9-16.	2.6	18
156	Influence of process variables on biooxidation of ferrous sulfate by an indigenous <i>Acidithiobacillus ferrooxidans</i> . Part II: Bioreactor experiments. <i>Fuel</i> , 2007, 86, 993-999.	3.4	20
157	Bacterial leaching of low-grade ZnS concentrate using indigenous mesophilic and thermophilic strains. <i>Hydrometallurgy</i> , 2007, 85, 59-65.	1.8	42
158	Influence of process variables on biooxidation of ferrous sulfate by an indigenous <i>Acidithiobacillus ferrooxidans</i> . Part I: Flask experiments. <i>Fuel</i> , 2006, 85, 2555-2560.	3.4	32
159	Bioleaching of low-grade sphalerite using a column reactor. <i>Hydrometallurgy</i> , 2006, 82, 75-82.	1.8	36
160	Zinc extraction from Iranian low-grade complex zinc-lead ore by two native microorganisms: <i>Acidithiobacillus ferrooxidans</i> and <i>Sulfobacillus</i> . <i>International Journal of Mineral Processing</i> , 2006, 80, 238-243.	2.6	19
161	Computer simulation of fluid motion in a porous bed using a volume of fluid method: Application in heap leaching. <i>Minerals Engineering</i> , 2006, 19, 1077-1083.	1.8	24
162	Comparison of bioleaching ability of two native mesophilic and thermophilic bacteria on copper recovery from chalcopyrite concentrate in an airlift bioreactor. <i>Hydrometallurgy</i> , 2005, 80, 139-144.	1.8	50

#	ARTICLE	IF	CITATIONS
163	Comparison of produced biosurfactants performance in in-situ and ex-situ MEOR: micromodel study. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-11.	1.2	2
164	Thermal pretreatment of spent button cell batteries (BCBs) for efficient bioleaching. Korean Journal of Chemical Engineering, 0, , .	1.2	1
165	Performance evaluation of produced biopolymers by native strains on enhanced oil recovery. Journal of Applied Polymer Science, 0, , .	1.3	0