Mahdi Gharabaghi

List of Publications by Year
in descending order

54	1,471	394286 19	330025 37
papers	citations	h-index	g-index

55	55	55	1365
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acid Bioleaching of Copper from Smelter Dust at Incremental Temperatures. Mineral Processing and Extractive Metallurgy Review, 2022, 43, 233-242.	2.6	4
2	Bioleaching of Low-Grade Ni-Sulfide Samples with a Mesophilic Consortium of Iron- and Sulfur-Oxidizing Acidophiles. Geomicrobiology Journal, 2022, 39, 233-241.	1.0	2
3	A Selective Method for Chemical Extraction of Antimony from Tetrahedrite-Rich Concentrate by BaS and K2S Lixiviants: Mechanism and Kinetic Studies. Journal of Sustainable Metallurgy, 2022, 8, 239.	1.1	0
4	Clean Practical Method for Cadmium Recycling from Toxic Material and Optimization of Recycling Process. Jom, 2022, 74, 1945-1957.	0.9	3
5	Highly Mesoporous Hybrid Transition Metal Oxide Nanowires for Enhanced Adsorption of Rare Earth Elements from Wastewater. Inorganic Chemistry, 2021, 60, 175-184.	1.9	5
6	Pb Recycling Through Leaching, Precipitation, and Cementation from Zinc Plant Residue. Journal of Sustainable Metallurgy, 2021, 7, 291-299.	1.1	0
7	Superadsorbent Fe3O4-coated carbon black nanocomposite for separation of light rare earth elements from aqueous solution: GMDH-based Neural Network and sensitivity analysis. Journal of Hazardous Materials, 2021, 416, 125655.	6.5	22
8	Investigation on the effects of chemical pretreatment on the iron ore tailing dewatering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126855.	2.3	8
9	New Approach to Quartz Coarse Particles Flotation Using Nanobubbles, with Emphasis on the Bubble Size Distribution. International Journal of Nanoscience, 2020, 19, 1850048.	0.4	7
10	Novel bioleaching of waste lithium ion batteries by mixed moderate thermophilic microorganisms, using iron scrap as energy source and reducing agent. Hydrometallurgy, 2020, 197, 105465.	1.8	35
11	Separation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si5.svg"><mml:mrow><mml:mi mathvariant="italic">Au</mml:mi><mml:msubsup><mml:mrow><mml:mi mathvariant="italic">CN</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mo>-</mml:mo></mml:msu by activated carbon and functionalized graphene/activated carbon composite. Advanced Powder Technology, 2020, 31, 4648-4656.	2.0	7
12	Modeling and optimization of oxide copper cementation kinetics. SN Applied Sciences, 2020, 2, 1.	1.5	3
13	The reductive leaching of waste lithium ion batteries in presence of iron ions: Process optimization and kinetics modelling. Journal of Cleaner Production, 2020, 262, 121312.	4.6	37
14	Acidophilic bioleaching: A Review on the Process and Effect of Organicâ€“inorganic Reagents and Materials on its Efficiency. Mineral Processing and Extractive Metallurgy Review, 2019, 40, 87-107.	2.6	58
15	Effects of Conventional Flotation Frothers on the Population of Mesophilic Microorganisms in Different Cultures. Processes, 2019, 7, 653.	1.3	6
16	MnFe2O4-graphene oxide magnetic nanoparticles as a high-performance adsorbent for rare earth elements: Synthesis, isotherms, kinetics, thermodynamics and desorption. Journal of Hazardous Materials, 2018, 351, 308-316.	6.5	109
17	Optimization of role of physical parameters in the filtration processing with focus on the fluid flow from pore. Minerals Engineering, 2018, 122, 220-226.	1.8	6
18	Thermodynamical and catalytic aspects of zinc separation from aqueous solution. Chinese Journal of Chemical Engineering, 2018, 26, 2455-2460.	1.7	3

#	Article	IF	Citations
19	Effects of type and dosages of organic depressants on pyrite floatability in microflotation system. Advanced Powder Technology, 2018, 29, 3155-3162.	2.0	30
20	Acid Leaching of Malachite Ore and Separation of Cu(II) by di-(2-Ethylhexyl) Phosphoric Acid and Tributyl Phosphate in Acetate Buffer Solution. Transactions of the Indian Institute of Metals, 2017, 70, 7-15.	0.7	4
21	Extraction of Li and Co from Li-ion Batteries by Chemical Methods. Journal of the Institution of Engineers (India): Series D, 2017, 98, 43-48.	0.6	17
22	Comparison of Indium and Gallium Dissolution from Zinc Oxide Concentrate in Different Acidic Solutions. Arabian Journal for Science and Engineering, 2017, 42, 1591-1600.	1.7	1
23	A study on the zinc sulfide dissolution kinetics with biological and chemical ferric reagents. Hydrometallurgy, 2017, 171, 362-373.	1.8	54
24	A review on electrochemical behavior of pyrite in the froth flotation process. Journal of Industrial and Engineering Chemistry, 2017, 47, 1-18.	2.9	71
25	A simple and low-cost route to recycle rare earth elements (La, Ce) from aqueous solution using magnetic nanoparticles of Co_xMn_{1â^'x}Fe₂O₄ (x = 0.2) Tj ETQq1 1 0.784314 rgBT /(2017, 41, 11906-11914.	1.4	18
26	A Comparative Study on the Effect of Flotation Reagents on Growth and Iron Oxidation Activities of Leptospirillum ferrooxidans and Acidithiobacillus ferrooxidans. Minerals (Basel, Switzerland), 2017, 7, 2.	0.8	17
27	The Surface Chemistry Characterization of Pyrite, Sphalerite and Molybdenite after Bioleaching. Solid State Phenomena, 2017, 262, 487-491.	0.3	3
28	Gold, Mercury, and Silver Extraction by Chemical and Physical Separation Methods. Rare Metal Materials and Engineering, 2016, 45, 2784-2789.	0.8	9
29	Germanium separation and purification by leaching and precipitation. Journal of Central South University, 2016, 23, 2214-2222.	1.2	12
30	Increasing the Useful Heating Value of Coal Using a Physico-Chemical Process. International Journal of Coal Preparation and Utilization, 2016, 36, 175-191.	1.2	1
31	Effects of flow rate, slurry solid content, and feed size distribution on rod mill efficiency. Particulate Science and Technology, 2016, 34, 533-539.	1.1	4
32	Optimization of Nickel Chemical Extraction from Hazardous Residue. International Journal of Chemical Reactor Engineering, 2016, 14, 175-183.	0.6	4
33	Synergism effect of collectors on copper recovery in flotation of copper smelting slags. Geosystem Engineering, 2016, 19, 57-68.	0.7	13
34	Biofuels: Bioethanol, Biodiesel, Biogas, Biohydrogen from Plants and Microalgae. Environmental Chemistry for A Sustainable World, 2015, , 233-274.	0.3	7
35	Usage of Iranian scoria for copper and cadmium removal from aqueous solutions. Journal of Central South University, 2015, 22, 3760-3769.	1.2	15
36	Chemical and colloidal aspects of collectorless flotation behavior of sulfide and non-sulfide minerals. Advances in Colloid and Interface Science, 2015, 225, 203-217.	7.0	44

#	Article	IF	Citations
37	A review of zinc oxide mineral beneficiation using flotation method. Advances in Colloid and Interface Science, 2014, 206, 68-78.	7.0	176
38	Investigation of the influence of acetate ions on cadmium extraction with D2EHPA. Hydrometallurgy, 2014, 144-145, 129-132.	1.8	11
39	Optimization of the coal flotation procedure using the Plackettâ€“Burman design methodology and kinetic analysis. Fuel Processing Technology, 2014, 128, 111-118.	3.7	15
40	A review of the role of wetting and spreading phenomena on the flotation practice. Current Opinion in Colloid and Interface Science, 2014, 19, 266-282.	3.4	30
41	OPTIMIZATION OF CADMIUM DISSOLUTION FROM A HAZARDOUS WASTE BY STATISTICAL DESIGN OF EXPERIMENTS. Environmental Engineering and Management Journal, 2014, 13, 2963-2970.	0.2	6
42	Solvent extraction recovery and separation of cadmium and copper from sulphate solution. Journal of Environmental Chemical Engineering, 2013, 1, 1269-1274.	3.3	30
43	Leaching kinetics of nickel extraction from hazardous waste by sulphuric acid and optimization dissolution conditions. Chemical Engineering Research and Design, 2013, 91, 325-331.	2.7	82
44	Process optimization of nickel extraction from hazardous waste. Archives of Environmental Protection, 2012, 38, 29-40.	1.1	0
45	Recycling of hazardous waste as a new resource for nickel extraction. Environmental Technology (United Kingdom), 2012, 33, 1569-1576.	1.2	4
46	Selective Sulphide Precipitation of Heavy Metals from Acidic Polymetallic Aqueous Solution by Thioacetamide. Industrial & Engineering Chemistry Research, 2012, 51, 954-963.	1.8	86
47	Role of dissolved mineral species in selective flotation of smithsonite from quartz using oleate as collector. International Journal of Mineral Processing, 2012, 114-117, 40-47.	2.6	75
48	Leaching behavior of cadmium from hazardous waste. Separation and Purification Technology, 2012, 86, 9-18.	3.9	36
49	Influence of important factors on flotation of zinc oxide mineral using cationic, anionic and mixed (cationic/anionic) collectors. Minerals Engineering, 2011, 24, 1402-1408.	1.8	108
50	A review of the beneficiation of calcareous phosphate ores using organic acid leaching. Hydrometallurgy, 2010, 103, 96-107.	1.8	105
51	Selective leaching kinetics of low-grade calcareous phosphate ore in acetic acid. Hydrometallurgy, 2009, 95, 341-345.	1.8	57
52	Modification of natural zeolite for Cu removal from waste waters. Desalination and Water Treatment, 0, , 1-8.	1.0	4
53	Examining the Effects of Typical Reagents for Sulfide Flotation on Bio-Oxidation Activity of Ferrous Iron Oxidizing Microorganisms. Solid State Phenomena, 0, 262, 84-87.	0.3	5
54	The Novel Lixiviants for Maximizing Antimony Extraction from Tetrahedrite-Rich Concentrate: Mechanism and Kinetic Studies. Mineral Processing and Extractive Metallurgy Review, 0, , 1-15.	2.6	1