

Yubiao Li

List of Publications by Year in descending order

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52
papers

1,038
citations

394286

19
h-index

477173

29
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54
all docs

54
docs citations

54
times ranked

844
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization of water glass as a dispersant to improve the separation performance of fluorite from barite slimes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128036.	2.3	7
2	Separation mechanism of chalcopyrite and pyrite due to H ₂ O ₂ treatment in low-alkaline seawater flotation system. <i>Minerals Engineering</i> , 2022, 176, 107356.	1.8	12
3	Roles and Influences of Kerosene on Chalcopyrite Flotation in MgCl ₂ Solution: EDLVO and DFT Approaches. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 48.	0.8	3
4	A Quantitative Relationship between Oxidation Index and Chalcopyrite Flotation Recovery. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 888.	0.8	1
5	Exploration of a novel depressant polyepoxysuccinic acid for the flotation separation of pentlandite from lizardite slimes. <i>Applied Clay Science</i> , 2021, 202, 105939.	2.6	39
6	Enhanced leaching of Mo by mechanically co-grinding and activating MoS ₂ with NaClO ₃ as an oxidizing additive. <i>Hydrometallurgy</i> , 2021, 203, 105625.	1.8	8
7	New insight into the anisotropic property and wettability of molybdenite: A DFT study. <i>Minerals Engineering</i> , 2021, 170, 107058.	1.8	20
8	Exploration of amino trimethylene phosphonic acid to eliminate the adverse effect of seawater in molybdenite flotation. <i>International Journal of Mining Science and Technology</i> , 2021, 31, 1129-1134.	4.6	28
9	Elimination of adverse effects of seawater on molybdenite flotation using sodium silicate. <i>Minerals Engineering</i> , 2020, 146, 106108.	1.8	27
10	New insights into the beneficial roles of dispersants in reducing negative influence of Mg ²⁺ on molybdenite flotation. <i>RSC Advances</i> , 2020, 10, 27401-27406.	1.7	4
11	The anionic flotation of fluorite from barite using gelatinized starch as the depressant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 597, 124794.	2.3	32
12	A Critical Review on the Mineralogy and Processing for High-Grade Quartz. <i>Mining, Metallurgy and Exploration</i> , 2020, 37, 1627-1639.	0.4	7
13	Flotation kinetics of molybdenite in common sulfate salt solutions. <i>Minerals Engineering</i> , 2020, 148, 106182.	1.8	11
14	A spatio-temporally weighted hybrid model to improve estimates of personal PM _{2.5} exposure: Incorporating big data from multiple data sources. <i>Environmental Pollution</i> , 2019, 253, 403-411.	3.7	19
15	A fundamental study of chalcopyrite flotation in sea water using sodium silicate. <i>Minerals Engineering</i> , 2019, 139, 105862.	1.8	20
16	An improved understanding of chalcopyrite leaching kinetics and mechanisms in the presence of NaCl. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3487-3494.	2.6	19
17	New insights into the surface relaxation and oxidation of chalcopyrite exposed to O ₂ and H ₂ O: A first-principles DFT study. <i>Applied Surface Science</i> , 2019, 492, 89-98.	3.1	54
18	New insights into chalcopyrite leaching enhanced by mechanical activation. <i>Hydrometallurgy</i> , 2019, 189, 105131.	1.8	14

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19	Elimination of the adverse effect of calcite slimes on the sulfidization flotation of malachite in the presence of water glass. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 563, 324-329.	2.3	29
20	A fundamental study of leaching kinetics and mechanisms of molybdenite assisted by mechanical activation. <i>Minerals Engineering</i> , 2019, 131, 376-384.	1.8	14
21	Crack initiation and propagation in coalbed gas reservoir during hydraulic fracturing. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	0.8	5
22	Response to "Comment on: Effects of crystal chemistry on sodium oleate adsorption on fluorite surface investigated by molecular dynamics simulation: Renji Zheng, Zijie Ren, Huimin Gao, Zhijie Chen, Yupeng Qian, Yubiao Li, <i>Minerals Engineering</i> , vol. 124, pp. 77-85, 2018." by Yann Foucaud, Michal Badawi and Lev Filippov. <i>Minerals Engineering</i> , 2019, 135, 160-166.	1.8	0
23	Measurement of froth zone and collection zone recoveries with various starch depressants in anionic flotation of hematite and quartz. <i>Minerals Engineering</i> , 2019, 138, 31-42.	1.8	32
24	Improved understanding of chalcopyrite flotation in seawater using sodium hexametaphosphate. <i>Minerals Engineering</i> , 2019, 134, 269-274.	1.8	26
25	The Influence of Common Chlorides on the Adsorption of SBX on Chalcopyrite Surface during Flotation Process. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2019, 40, 129-140.	2.6	21
26	Efficient Separation of Trace Muscovite within the Surface/Interface of Quartz Grains from a Hydrothermal Deposit by Oxidizing Calcination and Catalytic Pressure Leaching. <i>Mining, Metallurgy and Exploration</i> , 2019, 36, 313-325.	0.4	2
27	The Life Cycle of Water Used in Flotation: a Review. <i>Mining, Metallurgy and Exploration</i> , 2019, 36, 385-397.	0.4	11
28	The source of lead determines the relationship between soil properties and lead bioaccessibility. <i>Environmental Pollution</i> , 2019, 246, 53-59.	3.7	32
29	A fundamental DFT study of chalcopyrite surface evolution due to impurity divalent ions during leaching process. <i>Minerals Engineering</i> , 2018, 121, 205-211.	1.8	14
30	Fundamental Studies of SHMP in Reducing Negative Effects of Divalent Ions on Molybdenite Flotation. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 404.	0.8	29
31	Effects of crystal chemistry on sodium oleate adsorption on fluorite surface investigated by molecular dynamics simulation. <i>Minerals Engineering</i> , 2018, 124, 77-85.	1.8	48
32	The fundamental roles of monovalent and divalent cations with sulfates on molybdenite flotation in the absence of flotation reagents. <i>RSC Advances</i> , 2018, 8, 23364-23371.	1.7	18
33	The Influencing Mechanisms of Sodium Hexametaphosphate on Chalcopyrite Flotation in the Presence of MgCl ₂ and CaCl ₂ . <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 150.	0.8	24
34	Separation mechanism of lattice-bound trace elements from quartz by KCl-doping calcination and pressure leaching. <i>Minerals Engineering</i> , 2018, 125, 42-49.	1.8	16
35	A Fundamental DFT Study of Anatase (TiO ₂) Doped with 3d Transition Metals for High Photocatalytic Activities. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 403-408.	0.4	8
36	Pyrogenic carbon and its role in contaminant immobilization in soils. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 795-876.	6.6	72

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37	Chalcopyrite dissolution: Scanning photoelectron microscopy examination of the evolution of sulfur species with and without added iron or pyrite. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 212, 33-47.	1.6	34
38	Response to the letter to editor "Cadmium exposure and urinary N-acetyl- β -D-glucosaminidase: a meta-analysis". <i>Environmental Science and Pollution Research</i> , 2017, 24, 11862-11863.	2.7	0
39	Consideration of enthalpic and entropic energy contributions to the relative rates of chalcopyrite dissolution in the presence of aqueous cationic impurities. <i>International Journal of Mineral Processing</i> , 2017, 159, 42-50.	2.6	11
40	The mechanisms of improved chalcopyrite leaching due to mechanical activation. <i>Hydrometallurgy</i> , 2017, 173, 149-155.	1.8	24
41	Cultivation of algal biofilm using different lignocellulosic materials as carriers. <i>Biotechnology for Biofuels</i> , 2017, 10, 115.	6.2	68
42	The Influence of Common Monovalent and Divalent Chlorides on Chalcopyrite Flotation. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 111.	0.8	26
43	Study on Selective Removal of Impurity Iron from Leached Copper-Bearing Solution Using a Chelating Resin. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 106.	0.8	8
44	Study on the Selection of Comminution Circuits for a Magnetite Ore in Eastern Hebei, China. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 39.	0.8	5
45	Kinetics and Mechanisms of Chalcopyrite Dissolution at Controlled Redox Potential of 750 mV in Sulfuric Acid Solution. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 83.	0.8	22
46	The Influence of Impurity Monovalent Cations Adsorption on Reconstructed Chalcopyrite (001)-S Surface in Leaching Process. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 89.	0.8	10
47	Benchmark dose for cadmium exposure and elevated N-acetyl- β -d-glucosaminidase: a meta-analysis. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20528-20538.	2.7	13
48	Chalcopyrite Dissolution at 650 mV and 750 mV in the Presence of Pyrite. <i>Metals</i> , 2015, 5, 1566-1579.	1.0	6
49	Kinetics and roles of solution and surface species of chalcopyrite dissolution at 650 mV. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 161, 188-202.	1.6	40
50	Probing the effect of aqueous impurities on the leaching of chalcopyrite under controlled conditions. <i>Hydrometallurgy</i> , 2014, 149, 195-209.	1.8	17
51	Assessment of the Biosorption Characteristics of a Spent Cottonseed Husk Substrate for the Decolorization of Methylene Blue. <i>Clean - Soil, Air, Water</i> , 2011, 39, 1087-1094.	0.7	5
52	Biosorption of Methylene Blue from aqueous solution on spent cottonseed hull substrate for <i>Pleurotus ostreatus</i> cultivation. <i>Desalination and Water Treatment</i> , 2011, 29, 317-325.	1.0	18