Yi Yang

List of Publications by Year in descending order

32 papers	774 citations	567281 15 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	495 citing authors

#	Article	IF	Citations
1	Microstructure evolution of chalcopyrite agglomerates during leaching â€“ A synchrotron-based X-ray CT approach combined with a data-constrained modelling (DCM). Hydrometallurgy, 2021, 201, 105586.	4.3	4
2	The galvanic effect of pyrite enhanced (bio)leaching of enargite (Cu3AsS4). Hydrometallurgy, 2021, 202, 105613.	4.3	14
3	Chalcopyrite leaching in ammonium chloride solutions under ambient conditions: Insight into the dissolution mechanism by XANES, Raman spectroscopy and electrochemical studies. Minerals Engineering, 2021, 170, 107063.	4.3	12
4	Electrochemical and spectroscopic analysis of enargite (Cu3AsS4) dissolution mechanism in sulfuric acid solution. Hydrometallurgy, 2020, 194, 105346.	4.3	6
5	The impacts of pyrite/pyrrhotite on aqueous arsenic species in arsenopyrite pressure leaching: An XAS study. Minerals Engineering, 2020, 155, 106447.	4.3	6
6	An XAS study of silver species evolution in silver-catalysed chalcopyrite bioleaching. Hydrometallurgy, 2019, 186, 252-259.	4.3	13
7	The differential adsorption mechanism of hexahydrated iron and hydroxyl irons on a pyrite (1â€¯0â€¯0) surface: A DFT study and XPS characterization. Minerals Engineering, 2019, 138, 215-225.	4.3	37
8	A Sulfur K-Edge XANES and Raman Study on the Effect of Chloride Ion on Bacterial and Chemical Leaching of Chalcopyrite at 25ÂÂ°C. Mining, Metallurgy and Exploration, 2019, 36, 343-352.	0.8	1
9	An in-situ synchrotron XAS study on the evolution of aqueous arsenic species in acid pressure leaching. Hydrometallurgy, 2018, 175, 11-19.	4.3	9
10	In Situ Electrochemical Investigation of Pyrite Assisted Leaching of Chalcopyrite. Journal of the Electrochemical Society, 2018, 165, H813-H819.	2.9	7
11	In situ characterization of change in superficial organic components of thermoacidophilic archaeon Acidianus manzaensis YN-25. Research in Microbiology, 2018, 169, 590-597.	2.1	10
12	Combined DFT and XPS Investigation of Cysteine Adsorption on the Pyrite (1 0 0) Surface. Minerals (Basel, Switzerland), 2018, 8, 366.	2.0	13
13	The Evidence of Decisive Effect of Both Surface Microstructure and Speciation of Chalcopyrite on Attachment Behaviors of Extreme Thermoacidophile Sulfolobus metallicus. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.0	8
14	The effect of chloride ions on the electrochemical dissolution of chalcopyrite in sulfuric acid solutions. Electrochimica Acta, 2017, 253, 257-267.	5.2	21
15	Evidence of cell surface iron speciation of acidophilic iron-oxidizing microorganisms in indirect bioleaching process. BioMetals, 2016, 29, 25-37.	4.1	11
16	A XANES and XRD study of chalcopyrite bioleaching with pyrite. Minerals Engineering, 2016, 89, 157-162.	4.3	22
17	Synchrotron-based XPS and NEXAFS study of surface chemical species during electrochemical oxidation of chalcopyrite. Hydrometallurgy, 2015, 156, 89-98.	4.3	66
18	XANES and XRD study of the effect of ferrous and ferric ions on chalcopyrite bioleaching at 30 Â°C and 48 Â°C. Minerals Engineering, 2015, 70, 99-108.	4.3	31

#	Article	IF	Citations
19	Synchrotron X-ray photoelectron spectroscopic study of the chalcopyrite leached by moderate thermophiles and mesophiles. Minerals Engineering, 2014, 69, 185-195.	4.3	32
20	Differential utilization of cyclic, orthorhombic Î±- and chain-like polymeric Î¼-sulfur by Acidithiobacillus ferrooxidans. Transactions of Nonferrous Metals Society of China, 2014, 24, 1562-1570.	4.2	5
21	A copper and iron K-edge XANES study on chalcopyrite leached by mesophiles and moderate thermophiles. Minerals Engineering, 2013, 48, 31-35.	4.3	45
22	Sulfur speciation transformation during bioleaching of pyrite-containing sphalerite concentrate by thermophile Sulfolobus metallicus at 65 Â°C. Journal of Central South University, 2012, 19, 1961-1966.	3.0	7
23	Sulfur oxidation activities of pure and mixed thermophiles and sulfur speciation in bioleaching of chalcopyrite. Bioresource Technology, 2011, 102, 3877-3882.	9.6	85
24	Characterization of the thermo-reduction process of chalcopyrite at 65Â°C by cyclic voltammetry and XANES spectroscopy. Hydrometallurgy, 2011, 107, 13-21.	4.3	53
25	Surface analysis of sulfur speciation on pyrite bioleached by extreme thermophile Acidianus manzaensis using Raman and XANES spectroscopy. Hydrometallurgy, 2010, 100, 129-135.	4.3	58
26	Effect of activated carbon on chalcopyrite bioleaching with extreme thermophile Acidianus manzaensis. Hydrometallurgy, 2010, 105, 179-185.	4.3	50
27	Investigation of the sulfur speciation during chalcopyrite leaching by moderate thermophile Sulfobacillus thermosulfidooxidans. International Journal of Mineral Processing, 2010, 94, 52-57.	2.6	50
28	Investigation of Elemental Sulfur Speciation Transformation Mediated by Acidithiobacillus ferrooxidans. Current Microbiology, 2009, 58, 300-307.	2.2	29
29	Sulfur speciation on the surface of chalcopyrite leached by Acidianus manzaensis. Hydrometallurgy, 2009, 99, 45-50.	4.3	43
30	Growth and surface properties of new thermoacidophilic Archaea strain Acidianus manzaensis YN-25 grown on different substrates. Transactions of Nonferrous Metals Society of China, 2008, 18, 1374-1378.	4.2	26
31	Characterization and Localized Insight into Leaching of Sulfide Minerals. Solid State Phenomena, 0, 262, 261-264.	0.3	0
32	Characterization of Preg-Robbing Carbonaceous Minerals from the Shuiyindong Carlin-Type Gold Deposit Via Spectroscopic Techniques. Mining, Metallurgy and Exploration, 0, , 1.	0.8	0