Wen-qing Qin

List of Publications by Year
in descending order

223	5,668	66234	161609
papers	citations	42 h-index	54 g-index

225	225	225	2788
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using Magnesium Chloride to Volatilize Impurity Metals from Waste Magnesiaâ€“Chromium Refractories. Jom, 2022, 74, 1350-1359.	0.9	2
2	Selective depression mechanism of combination of lime and sodium humate on arsenopyrite in flotation separation of Znâ€“As bulk concentrate. Transactions of Nonferrous Metals Society of China, 2022, 32, 668-681.	1.7	15
3	Review on development of low-grade scheelite recovery from molybdenum tailings in Luanchuan, China: A case study of Luoyang Yulu Mining Company. Transactions of Nonferrous Metals Society of China, 2022, 32, 980-998.	1.7	6
4	Flotation separation of sphalerite from galena using eco-friendly and efficient depressant pullulan. Separation and Purification Technology, 2022, 295, 121013.	3.9	16
5	Comprehensive extraction of valuable metals from waste ternary lithium batteries via roasting and leaching: Thermodynamic and kinetic studies. Minerals Engineering, 2022, 186, 107736.	1.8	13
6	Utilization of polyepoxysuccinic acid as the green selective depressant for the clean flotation of phosphate ores. Journal of Cleaner Production, 2021, 282, 124532.	4.6	42
7	Removal and reuse of arsenic from arsenic-bearing purified residue by alkaline pressure oxidative leaching and reduction of As (V). Hydrometallurgy, 2021, 199, 105541.	1.8	9
8	Hydrophobic agglomeration of rhodochrosite fines in aqueous suspensions with sodium oleate. Powder Technology, 2021, 377, 186-193.	2.1	26
9	Selective separation of calcium from zinc-rich neutralization sludge by sulfidation roasting and HCl leaching. Separation and Purification Technology, 2021, 259, 118064.	3.9	15
10	The synergistic depression of lime and sodium humate on the flotation separation of sphalerite from pyrite. Minerals Engineering, 2021, 163, 106779.	1.8	24
11	Uncovering the evolution of tin use in the United States and its implications. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	3.3	4
12	Selective co-adsorption mechanism of a new mixed collector on the flotation separation of lepidolite from quartz. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 612, 125973.	2.3	19
13	Comprehensive Recovery of Valuable Metals From Spent Magnesiaâ€“Chrome Refractories by Ferric Chlorideâ€“Hydrochloride Leaching. Journal of Sustainable Metallurgy, 2021, 7, 898-907.	1.1	4
14	Selective depression of copper-activated sphalerite by polyaspartic acid during chalcopyrite flotation. Transactions of Nonferrous Metals Society of China, 2021, 31, 1784-1795.	1.7	30
15	Binding mechanisms of PVDF in lithium ion batteries. Applied Surface Science, 2021, 553, 149564.	3.1	48
16	Utilization of iron ions to improve the depressive efficiency of tartaric acid on the flotation separation of scheelite from calcite. Minerals Engineering, 2021, 168, 106925.	1.8	12
17	New insights into the depressive mechanism of citric acid in the selective flotation of scheelite from fluorite. Minerals Engineering, 2021, 171, 107117.	1.8	17
18	Effect of iron ions as assistant depressant of citric acid on the flotation separation of scheelite from calcite. Chemical Engineering Science, 2021, 241, 116720.	1.9	29

#	Article	IF	Citations
19	Effects of redox potential on chalcopyrite leaching: An overview. Minerals Engineering, 2021, 172, 107135.	1.8	23
20	Flotation of rhodochrosite fines induced by octyl hydroxamic acid as hydrophobic agglomerates. Powder Technology, 2021, 392, 108-115.	2.1	14
21	Production and resource utilization of flue gas desulfurized gypsum in China - A review. Environmental Pollution, 2021, 288, 117799.	3.7	72
22	Selective inhibition mechanism of PBTCA on flotation separation of magnesite from calcite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127597.	2.3	11
23	Selective flotation separation of fluorite from calcite by using sesbania gum as depressant. Minerals Engineering, 2021, 174, 107239.	1.8	25
24	Separation and Stabilization of Arsenic from Lead Slime by the Combination of Acid Leaching and Forming Scorodite. Minerals (Basel, Switzerland), 2021, 11, 1319.	0.8	1
25	Understanding bubble growth process under decompression and its effects on the flotation phenomena. Minerals Engineering, 2020, 145, 106066.	1.8	19
26	Combined effects of jarosite and visible light on chalcopyrite dissolution mediated by Acidithiobacillus ferrooxidans. Science of the Total Environment, 2020, 698, 134175.	3.9	47
27	Understanding the depression mechanism of sodium citrate on apatite flotation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 588, 124312.	2.3	11
28	Effect of sodium pyrophosphate on the flotation separation of calcite from apatite. Separation and Purification Technology, 2020, 242, 116408.	3.9	45
29	Selective adsorption of sodium polyacrylate on calcite surface: Implications for flotation separation of apatite from calcite. Separation and Purification Technology, 2020, 241, 116415.	3.9	66
30	Pneumatic separation for crushed spent lithium-ion batteries. Waste Management, 2020, 118, 331-340.	3.7	21
31	Synergistic depression mechanism of zinc sulfate and sodium dimethyl dithiocarbamate on sphalerite in Pbâ^Zn flotation system. Transactions of Nonferrous Metals Society of China, 2020, 30, 2547-2555.	1.7	27
32	New insights into the mechanism of selective flotation of copper and copper-tin alloy. Separation and Purification Technology, 2020, 253, 117497.	3.9	14
33	The effect of galvanic interaction between chalcopyrite and pyrite on the surface chemistry and collector adsorption: Flotation and DFT study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 607, 125377.	2.3	29
34	Sulfide mineral bioleaching: Understanding of microbe-chemistry assisted hydrometallurgy technology and acid mine drainage environment protection. Journal of Central South University, 2020, 27, 1367-1372.	1.2	12
35	Role and maintenance of redox potential on chalcopyrite biohydrometallurgy: An overview. Journal of Central South University, 2020, 27, 1351-1366.	1.2	5
36	Recovery of antimony and bismuth from tin anode slime after soda roastingâ€“alkaline leaching. Separation and Purification Technology, 2020, 242, 116789.	3.9	20

#	Article	IF	Citations
37	Effect of pyrite with different semiconducting properties on bornite bioleaching in the presence of Leptospirillum ferriphilum. Hydrometallurgy, 2020, 196, 105414.	1.8	7
38	Comparison of leaching of bornite from different regions mediated by mixed moderately thermophilic bacteria. Journal of Central South University, 2020, 27, 1373-1385.	1.2	9
39	The influence of galvanic interaction on the dissolution and surface composition of galena and pyrite in flotation system. Minerals Engineering, 2020, 156, 106525.	1.8	17
40	Selective flotation separation of spodumene from feldspar using mixed anionic/nonionic collector. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 594, 124605.	2.3	21
41	Pretreatment for the recovery of spent lithium ion batteries: theoretical and practical aspects. Journal of Cleaner Production, 2020, 263, 121439.	4.6	49
42	A novel approach to preparing ultra-lightweight ceramsite with a large amount of fly ash. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	3.3	18
43	Combination of Pyrolysis and Physical Separation to Recover Copper and Tin from Waste Printed Circuit Boards. Jom, 2020, 72, 3179-3185.	0.9	14
44	Thermal degradation behaviors and evolved products analysis of polyester paint and waste enameled wires during pyrolysis. Waste Management, 2020, 107, 82-90.	3.7	13
45	Sulfonated brown coal: A novel depressant for the selective flotation of scheelite from calcite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 602, 125006.	2.3	23
46	Pyrolysis of Waste Steel Tailings and Iron Recovery. Minerals, Metals and Materials Series, 2020, , 963-973.	0.3	0
47	New insights into the carboxymethyl cellulose adsorption on scheelite and calcite: adsorption mechanism, AFM imaging and adsorption model. Applied Surface Science, 2019, 463, 105-114.	3.1	58
48	Arsenic removal from lead-zinc smelter ash by NaOH-H2O2 leaching. Separation and Purification Technology, 2019, 209, 128-135.	3.9	60
49	Mineralogy and Pretreatment of a Refractory Gold Deposit in Zambia. Minerals (Basel, Switzerland), 2019, 9, 406.	0.8	17
50	Water leaching of arsenic trioxide from metallurgical dust with emphasis on its kinetics. Journal of Central South University, 2019, 26, 2328-2339.	1.2	8
51	Adsorption mechanism of sodium oleate and styryl phosphonic acid on rutile and amphibole surfaces. Transactions of Nonferrous Metals Society of China, 2019, 29, 1939-1947.	1.7	16
52	Use of Sodium Hexametaphosphate and Citric Acid Mixture as Depressant in the Flotation Separation of Scheelite from Calcite. Minerals (Basel, Switzerland), 2019, 9, 560.	0.8	9
53	Innovative methodology for comprehensive use of tin anode slime: Preparation of CaSnO3. Minerals Engineering, 2019, 143, 105945.	1.8	5
54	Selective depressive effect of sodium fluorosilicate on calcite during scheelite flotation. Minerals Engineering, 2019, 131, 262-271.	1.8	56

#	Article	IF	Citations
55	Inhibition performance and adsorption of polycarboxylic acids in calcite flotation. Minerals Engineering, 2019, 133, 60-68.	1.8	49
56	Sulfidation and Sulfur Fixation of Jarosite Residues During Reduction Roasting. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 761-771.	1.0	10
57	New insights into the contact angle and formation process of nanobubbles based on line tension and pinning. Applied Surface Science, 2019, 481, 1585-1594.	3.1	17
58	Selective Separation of Arsenic from Lead Smelter Flue Dust by Alkaline Pressure Oxidative Leaching. Minerals (Basel, Switzerland), 2019, 9, 308.	0.8	16
59	Preparation of Calcium Stannate from Lead Refining Dross by Roastâ€“Leachâ€“Precipitation Process. Minerals (Basel, Switzerland), 2019, 9, 283.	0.8	6
60	Direct preparation of sodium stannate from lead refining dross after NaOH roasting-water leaching. Separation and Purification Technology, 2019, 227, 115683.	3.9	14
61	Use of citric acid and Fe(III) mixture as depressant in calcite flotation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 578, 123579.	2.3	37
62	Recovery of chromium and magnesium from spent magnesia-chrome refractories by acid leaching combined with alkali precipitation and evaporation. Separation and Purification Technology, 2019, 227, 115705.	3.9	25
63	A simple and rapid HPLC method for the quantitative determination of sodium oleate in flotation study. Minerals Engineering, 2019, 141, 105842.	1.8	6
64	Collecting performance of vegetable oils in scheelite flotation and differential analysis. Journal of Central South University, 2019, 26, 787-795.	1.2	9
65	Selective flotation of scheelite from calcite using xanthan gum as depressant. Minerals Engineering, 2019, 138, 14-23.	1.8	90
66	Arsenic and antimony extraction from high arsenic smelter ash with alkaline pressure oxidative leaching followed by Na2S leaching. Separation and Purification Technology, 2019, 222, 53-59.	3.9	31
67	Pyrolysis and physical separation for the recovery of spent LiFePO4 batteries. Waste Management, 2019, 89, 83-93.	3.7	120
68	Inhibition of galena flotation by humic acid: Identification of the adsorption site for humic acid on moderately oxidized galena surface. Minerals Engineering, 2019, 137, 102-107.	1.8	32
69	Flotation separation of scheelite from calcite using pectin as depressant. Minerals Engineering, 2019, 136, 120-128.	1.8	77
70	Effect of nanobubbles on adsorption of sodium oleate on calcite surface. Minerals Engineering, 2019, 133, 127-137.	1.8	25
71	Relationship among the secretion of extracellular polymeric substances, heat resistance, and bioleaching ability of Metallosphaera sedula. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 1504-1511.	2.4	17
72	Effect of temperature-induced phase transitions on bioleaching of chalcopyrite. Transactions of Nonferrous Metals Society of China, 2019, 29, 2183-2191.	1.7	11

#	Article	IF	Citations
73	Preparation of calcium stannate from lead refining slag by alkaline leaching-purification-causticization process. Separation and Purification Technology, 2019, 212, 119-125.	3.9	16
74	Arsenic(V) removal from enargite leach solutions by precipitation of magnesium ammonium arsenate. Separation Science and Technology, 2019, 54, 1862-1870.	1.3	6
75	Activation effect of lead ions on scheelite flotation: Adsorption mechanism, AFM imaging and adsorption model. Separation and Purification Technology, 2019, 209, 955-963.	3.9	48
76	Kinetic and Mechanism Studies on Pyrolysis of Printed Circuit Boards in the Absence and Presence of Copper. ACS Sustainable Chemistry and Engineering, 2019, 7, 1879-1889.	3.2	48
77	Effect of calcium ions on scheelite flotation using mixed collectors. Separation Science and Technology, 2019, 54, 153-162.	1.3	13
78	Influence of Mixing and Nanosolids on the Formation of Nanobubbles. Journal of Physical Chemistry B, 2019, 123, 317-323.	1.2	23
79	Kinetic Study and Pyrolysis Behaviors of Spent LiFePO₄ Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 1289-1299.	3.2	77
80	Cleaning of high antimony smelting slag from an oxygen-enriched bottom-blown by direct reduction. Rare Metals, 2019, 38, 800-804.	3.6	11
81	Effect of surface oxidation on the flotation separation of chalcopyrite and galena using sodium humate as depressant. Separation Science and Technology, 2018, 53, 961-972.	1.3	38
82	Adsorption behavior and mechanism of Bi(III) ions on rutileâ€“water interface in the presence of nonyl hydroxamic acid. Transactions of Nonferrous Metals Society of China, 2018, 28, 348-355.	1.7	27
83	Flotation separation of fluorite from calcite using polyaspartate as depressant. Minerals Engineering, 2018, 120, 80-86.	1.8	66
84	Mixed Potential Plays a Key Role in Leaching of Chalcopyrite: Experimental and Theoretical Analysis. Industrial & Engineering Chemistry Research, 2018, 57, 1733-1744.	1.8	17
85	Improving collecting performance of sodium oleate using a polyoxyethylene ether in scheelite flotation. Journal of Central South University, 2018, 25, 2971-2978.	1.2	7
86	Co-Bioleaching of Chalcopyrite and Silver-Bearing Bornite in a Mixed Moderately Thermophilic Culture. Minerals (Basel, Switzerland), 2018, 8, 4.	0.8	19
87	Cu-state evolution during leaching of bornite at 50 Â°C. Transactions of Nonferrous Metals Society of China, 2018, 28, 1632-1639.	1.7	15
88	Adsorption and leaching behaviors of chalcopyrite by two extreme thermophilic archaea. Transactions of Nonferrous Metals Society of China, 2018, 28, 2538-2544.	1.7	3
89	Hydrophobic flocculation flotation of rutile fines in presence of styryl phosphonic acid. Transactions of Nonferrous Metals Society of China, 2018, 28, 1424-1432.	1.7	31
90	Selective flotation of smithsonite, quartz and calcite using alkyl diamine ether as collector. Transactions of Nonferrous Metals Society of China, 2018, 28, 163-168.	1.7	44

#	Article	IF	Citations
91	Leaching of chalcopyrite: An emphasis on effect of copper and iron ions. Journal of Central South University, 2018, 25, 2380-2386.	1.2	12
92	Synchrotron Radiation XRD Investigation of the Fine Phase Transformation during Synthetic Chalcocite Acidic Ferric Sulfate Leaching. Minerals (Basel, Switzerland), 2018, 8, 461.	0.8	11
93	Comprehensive utilization of spent magnesia-chrome refractories with gravity separation followed by flotation. Minerals Engineering, 2018, 127, 125-133.	1.8	9
94	Inhibition mechanism of Ca ²⁺ , Mg ²⁺ and Fe ³⁺ in fine cassiterite flotation using octanohydroxamic acid. Royal Society Open Science, 2018, 5, 180158.	1.1	12
95	Extraction of Metal Arsenic from Waste Sodium Arsenate by Roasting with Charcoal Powder. Metals, 2018, 8, 542.	1.0	11
96	Adsorption Structure and Mechanism of Styryl Phosphoric Acid at the Rutileâ€“Water Interface. Minerals (Basel, Switzerland), 2018, 8, 360.	0.8	11
97	The Role of Nanobubbles in the Precipitation and Recovery of Organic-Phosphine-Containing Beneficiation Wastewater. Langmuir, 2018, 34, 6217-6224.	1.6	54
98	Sulfidation mechanism of ZnO roasted with pyrite. Scientific Reports, 2018, 8, 9516.	1.6	11
99	Insights into the Surface Transformation and Electrochemical Dissolution Process of Bornite in Bioleaching. Minerals (Basel, Switzerland), 2018, 8, 173.	0.8	16
100	Adsorption Mechanism of Pb2+ Activator for the Flotation of Rutile. Minerals (Basel, Switzerland), 2018, 8, 266.	0.8	6
101	Synergetic effect of pyrite on strengthening bornite bioleaching by Leptospirillum ferriphilum. Hydrometallurgy, 2018, 176, 9-16.	1.8	43
102	A comprehensive utilization of silver-bearing solid wastes in chalcopyrite bioleaching. Hydrometallurgy, 2017, 169, 152-157.	1.8	27
103	Mechanism of different particle sizes of quartz activated by metallic ion in butyl xanthate solution. Journal of Central South University, 2017, 24, 56-61.	1.2	2
104	Effects of sodium salts on the sulfidation of lead smelting slag. Minerals Engineering, 2017, 108, 1-11.	1.8	28
105	Mechanism study on the sulfidation of ZnO with sulfur and iron oxide at high temperature. Scientific Reports, 2017, 7, 42536.	1.6	32
106	Roles of oxidants and reductants in bioleaching system of chalcopyrite at normal atmospheric pressure and 45 Â°C. International Journal of Mineral Processing, 2017, 162, 81-91.	2.6	33
107	Transformation of iron in pure culture process of extremely acidophilic microorganisms. Transactions of Nonferrous Metals Society of China, 2017, 27, 1150-1155.	1.7	11
108	Comparison of bioleaching and dissolution process of p-type and n-type chalcopyrite. Minerals Engineering, 2017, 109, 153-161.	1.8	55

#	Article	IF	Citations
109	Influence of NH 4 HF 2 activation on leaching of low-grade complex copper ore in NH 3 -NH 4 Cl solution. Separation and Purification Technology, 2017, 181, 29-36.	3.9	14
110	Differential fluoride tolerance between sulfur- and ferrous iron-grown Acidithiobacillus ferrooxidans and its mechanism analysis. Biochemical Engineering Journal, 2017, 119, 59-66.	1.8	11
111	Mechanism study on flotation separation of molybdenite from chalcocite using thioglycollic acid as depressant. International Journal of Mining Science and Technology, 2017, 27, 1043-1049.	4.6	28
112	Copper Recovery from Yulong Complex Copper Oxide Ore by Flotation and Magnetic Separation. Jom, 2017, 69, 1563-1569.	0.9	18
113	Stepwise bioleaching of Cu-Zn mixed ores with comprehensive utilization of silver-bearing solid waste through a new technique process. Hydrometallurgy, 2017, 171, 374-386.	1.8	37
114	Pretreatment of tin anode slime using alkaline pressure oxidative leaching. Separation and Purification Technology, 2017, 174, 389-395.	3.9	50
115	The Activation Mechanism of Bi3+ Ions to Rutile Flotation in a Strong Acidic Environment. Minerals (Basel, Switzerland), 2017, 7, 113.	0.8	20
116	Synergetic Effect of the Mixed Anionic/Non-Ionic Collectors in Low Temperature Flotation of Scheelite. Minerals (Basel, Switzerland), 2017, 7, 87.	0.8	22
117	Depression mechanism of the zinc sulfate and sodium carbonate combined inhibitor on talc. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 501, 92-97.	2.3	26
118	Optimization Study on the Leaching of High Iron-Bearing Zinc Calcine After Reduction Roasting. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 686-693.	1.0	14
119	Enhanced flotation of refractory gold ore by using sulfur-oil agglomeration with (NH4)2S2O3 as regulator in weak acidic pulp. Minerals Engineering, 2016, 93, 24-31.	1.8	3
120	Innovative Methodology for Comprehensive Utilization of Spent MgO-Cr₂O₃ Bricks: Copper Flotation. ACS Sustainable Chemistry and Engineering, 2016, 4, 5503-5510.	3.2	35
121	Dissolution and passivation mechanisms of chalcopyrite during bioleaching: DFT calculation, XPS and electrochemistry analysis. Minerals Engineering, 2016, 98, 264-278.	1.8	99
122	Selective Sulfidation of Lead Smelter Slag with Pyrite and Flotation Behavior of Synthetic ZnS. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 2400-2410.	1.0	25
123	Interactions Between Sodium Oleate and Polyoxyethylene Ether and the Application in the Lowâ€Temperature Flotation of Scheelite at 283 K. Journal of Surfactants and Detergents, 2016, 19, 1289-1295.	1.0	21
124	Interactions of tert dodecyl mercaptan with sphalerite and effects on its flotation behavior. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 104-113.	2.3	20
125	Role of pyrite in sulfuric acid leaching of chalcopyrite: An elimination of polysulfide by controlling redox potential. Hydrometallurgy, 2016, 164, 159-165.	1.8	53
126	Flotation behavior and mechanism of rutile with nonyl hydroxamic acid. Rare Metals, 2016, 35, 419-424.	3.6	25

#	Article	IF	Citations
127	Fabrication and electrochemical performance of nanoflake MnO2@carbon fiber coaxial nanocables for supercapacitors. Journal of Applied Electrochemistry, 2016, 46, 241-249.	1.5	9
128	Selective Sulfidation of Lead Smelter Slag with Sulfur. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 344-354.	1.0	32
129	Flotation separation of chalcopyrite from galena by sodium humate and ammonium persulfate. Transactions of Nonferrous Metals Society of China, 2016, 26, 265-271.	1.7	66
130	Thermodynamic and Kinetic Studies for Intensifying Selective Decomposition of Zinc Ferrite. Jom, 2016, 68, 2543-2550.	0.9	21
131	Removal of Iron Impurity from Zinc Calcine after Magnetization Roasting. , 2016, , 543-550.		0
132	Reduction of lead sulfate to lead sulfide with carbon monoxide. Journal of Central South University, 2015, 22, 2929-2935.	1.2	12
133	Hydrothermal Synthesis and Electrochemical Properties of Spherical <I>Î±</I>-MnO₂ for Supercapacitors. Journal of Nanoscience and Nanotechnology, 2015, 15, 9760-9765.	0.9	5
134	Well-controlled column bioleaching of a low-grade copper ore by a novel equipment. Journal of Central South University, 2015, 22, 3318-3325.	1.2	7
135	Adsorption mechanism of 2-mercaptobenzothiazole on chalcopyrite and sphalerite surfaces: Ab initio and spectroscopy studies. Transactions of Nonferrous Metals Society of China, 2015, 25, 2388-2397.	1.7	34
136	Sulfur composition on surface of chalcopyrite during its bioleaching at 50 Â°C. Transactions of Nonferrous Metals Society of China, 2015, 25, 4110-4118.	1.7	29
137	Effect of mixed moderately thermophilic adaptation on leachability and mechanism of high arsenic gold concentrate in an airlift bioreactor. Journal of Central South University, 2015, 22, 66-73.	1.2	6
138	Comparison of electrochemical dissolution of chalcopyrite and bornite in acid culture medium. Transactions of Nonferrous Metals Society of China, 2015, 25, 303-313.	1.7	50
139	Electrochemical characteristics and collectorless flotation behavior of galena: With and without the presence of pyrite. Minerals Engineering, 2015, 74, 99-104.	1.8	44
140	Adsorption and leaching of chalcopyrite by Sulfolobus metallicus YN24 cultured in the distinct energy sources. International Journal of Minerals, Metallurgy and Materials, 2015, 22, 549-552.	2.4	5
141	Effects of pyrite and bornite on bioleaching of two different types of chalcopyrite in the presence of Leptospirillum ferriphilum. Bioresource Technology, 2015, 194, 28-35.	4.8	58
142	Mechanism of stibnite volatilization at high temperature. Journal of Central South University, 2015, 22, 868-873.	1.2	18
143	Floc flotation of jamesonite fines in aqueous suspensions induced by ammonium dibutyl dithiophosphate. Journal of Central South University, 2015, 22, 1232-1240.	1.2	13
144	Recovery of zinc and iron from high iron-bearing zinc calcine by selective reduction roasting. Journal of Industrial and Engineering Chemistry, 2015, 22, 272-279.	2.9	56

#	Article	IF	Citations
145	Sulfidation roasting of lead and zinc carbonate with sulphur by temperature gradient method. Journal of Central South University, 2015, 22, 1635-1642.	1.2	22
146	Effects of galvanic interaction between galena and pyrite on their flotation in the presence of butyl xanthate. Transactions of Nonferrous Metals Society of China, 2015, 25, 3111-3118.	1.7	33
147	Innovative methodology for comprehensive utilization of high iron bearing zinc calcine. Separation and Purification Technology, 2015, 154, 263-270.	3.9	28
148	Surface species of chalcopyrite during bioleaching by moderately thermophilic bacteria. Transactions of Nonferrous Metals Society of China, 2015, 25, 2725-2733.	1.7	27
149	Cooperative bioleaching of chalcopyrite and silver-bearing tailing by mixed moderately thermophilic culture: An emphasis on the chalcopyrite dissolution with XPS and electrochemical analysis. Minerals Engineering, 2015, 81, 29-39.	1.8	40
150	Bioleaching of chalcopyrite and bornite by moderately thermophilic bacteria: an emphasis on their interactions. International Journal of Minerals, Metallurgy and Materials, 2015, 22, 777-787.	2.4	7
151	Insights into the relation between adhesion force and chalcopyrite-bioleaching by Acidithiobacillus ferrooxidans. Colloids and Surfaces B: Biointerfaces, 2015, 126, 351-357.	2.5	30
152	Effect of redox potential on bioleaching of chalcopyrite by moderately thermophilic bacteria: An emphasis on solution compositions. Hydrometallurgy, 2015, 151, 141-150.	1.8	72
153	Electrochemical dissolution process of chalcopyrite in the presence of mesophilic microorganisms. Minerals Engineering, 2015, 71, 159-169.	1.8	54
154	Mineralogical Reconstruction of Lead Smelter Slag for Zinc Recovery. Separation Science and Technology, 2014, 49, 783-791.	1.3	23
155	Bioleaching of low-grade copper sulfide ores by Acidithiobacillus ferrooxidans and Acidithiobacillus thiooxidans. Journal of Central South University, 2014, 21, 728-734.	1.2	34
156	Understanding the formation of colloidal mercury in acidic wastewater with high concentration of chloride ions by electrocapillary curves. Environmental Science and Pollution Research, 2014, 21, 3866-3872.	2.7	25
157	Bioleaching of heavy metals from contaminated alkaline sediment by auto- and heterotrophic bacteria in stirred tank reactor. Transactions of Nonferrous Metals Society of China, 2014, 24, 2969-2975.	1.7	31
158	Bioleaching of complex polymetallic sulfide ores by mixed culture. Journal of Central South University, 2014, 21, 2633-2637.	1.2	12
159	Treatment of mine drainage generated by lead-zinc concentration plant. Journal of Central South University, 2014, 21, 1453-1460.	1.2	3
160	Effect of pH values on the extracellular polysaccharide secreted by Acidithiobacillus ferrooxidans during chalcopyrite bioleaching. International Journal of Minerals, Metallurgy and Materials, 2014, 21, 311-316.	2.4	15
161	Collision and attachment behavior between fine cassiterite particles and H2 bubbles. Transactions of Nonferrous Metals Society of China, 2014, 24, 520-527.	1.7	19
162	Floc flotation of marmatite fines in aqueous suspensions induced by butyl xanthate and ammonium dibutyl dithiophosphate. Transactions of Nonferrous Metals Society of China, 2014, 24, 1578-1586.	1.7	20

#	Article	IF	Citations
163	Flotation mechanism of octylic hydroxamic acid on diaspore. Diqiu Huaxue, 2013, 32, 191-194.	0.5	6
164	Extraction of germanium(IV) from acid leaching solution with mixtures of P204 and TBP. Journal of Central South University, 2013, 20, 1978-1984.	1.2	24
165	Bioleaching of Pbâ€“Znâ€“Sn chalcopyrite concentrate in tank bioreactor and microbial community succession analysis. Transactions of Nonferrous Metals Society of China, 2013, 23, 3758-3762.	1.7	15
166	Bioleaching of chalcopyrite by moderately thermophilic microorganisms. Bioresource Technology, 2013, 129, 200-208.	4.8	63
167	Recovery of gallium from zinc concentrate by pressure oxygen leaching. Rare Metals, 2013, 32, 622-626.	3.6	10
168	Effects of sodium salt of N,N-dimethyldi-thiocarbamate on floatability of chalcopyrite, sphalerite, marmatite and its adsorption properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 421, 181-192.	2.3	35
169	Synergistic bioleaching of chalcopyrite and bornite in the presence of Acidithiobacillus ferrooxidans. Bioresource Technology, 2013, 149, 71-76.	4.8	56
170	Interaction mechanism of Cu2+, Fe3+ ions and extracellular polymeric substances during bioleaching chalcopyrite by Acidithiobacillus ferrooxidans ATCC2370. Transactions of Nonferrous Metals Society of China, 2013, 23, 231-236.	1.7	27
171	Solution chemistry and utilization of alkyl hydroxamic acid in flotation of fine cassiterite. Transactions of Nonferrous Metals Society of China, 2013, 23, 1789-1796.	1.7	54
172	Really active form of fluorine toxicity affecting Acidithiobacillus ferrooxidans activity in bioleaching uranium. Transactions of Nonferrous Metals Society of China, 2013, 23, 812-817.	1.7	18
173	Oxidation of arsenite (As(III)) by ferric iron in the presence of pyrite and a mixed moderately thermophilic culture. Hydrometallurgy, 2013, 137, 53-59.	1.8	11
174	Mineralogical characterization of tin-polymetallic ore occurred in Mengzi, Yunnan Province, China. Transactions of Nonferrous Metals Society of China, 2012, 22, 725-730.	1.7	13
175	Electro-flotation and collision-attachment mechanism of fine cassiterite. Transactions of Nonferrous Metals Society of China, 2012, 22, 917-924.	1.7	23
176	Investigation of energy gene expressions and community structures of free and attached acidophilic bacteria in chalcopyrite bioleaching. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1833-1840.	1.4	16
177	Effect of sodium pyrophosphate on the flotation separation of chalcopyrite from galena. International Journal of Mining Science and Technology, 2012, 22, 345-349.	4.6	41
178	Surface Analysis of Cassiterite with Sodium Oleate in Aqueous Solution. Separation Science and Technology, 2012, 47, 502-506.	1.3	19
179	Purification of Leachate from Simultaneous Leaching of Galena Concentrate and Pyrolusite and Preparation of PbSO₄ and Mn₃O₄. Industrial & Engineering Chemistry Research, 2012, 51, 5596-5607.	1.8	6
180	Selective Flotation of Chalcopyrite and Marmatite by MBT and Electrochemical Analysis. Industrial & Engineering Chemistry Research, 2012, 51, 11538-11546.	1.8	19

#	Article	IF	Citations
181	Cadmium(II) adsorption on esterified spent grain: Equilibrium modeling and possible mechanisms. Chemical Engineering Journal, 2012, 197, 173-180.	6.6	60
182	Adsorption mechanism of mixed salicylhydroxamic acid and tributyl phosphate collectors in fine cassiterite electro-flotation system. Journal of Central South University, 2012, 19, 1711-1717.	1.2	31
183	Reductive leaching of gallium from zinc residue. Hydrometallurgy, 2012, 113-114, 195-199.	1.8	46
184	Adhesion forces between cells of Acidithiobacillus ferrooxidans, Acidithiobacillus thiooxidans or Leptospirillum ferrooxidans and chalcopyrite. Colloids and Surfaces B: Biointerfaces, 2012, 94, 95-100.	2.5	63
185	Flotation performances of polymorphic pyrrhotite. Journal of Central South University, 2012, 19, 238-243.	1.2	13
186	Global transcriptional analysis of stress-response strategies in Acidithiobacillus ferrooxidans ATCC 23270 exposed to organic extractantâ€"Lix984n. World Journal of Microbiology and Biotechnology, 2012, 28, 1045-1055.	1.7	8
187	Flotation and Surface Behavior of Cassiterite with Salicylhydroxamic Acid. Industrial & Engineering Chemistry Research, 2011, 50, 10778-10783.	1.8	46
188	Selective synthesis and characterization of metallic cobalt, cobalt/platinum, and platinum microspheres. Journal of Alloys and Compounds, 2011, 509, 338-342.	2.8	21
189	Pyrite depression in marmatite flotation by sodium glycerine-xanthate. Transactions of Nonferrous Metals Society of China, 2011, 21, 1161-1165.	1.7	18
190	Vanadium leaching from carbonaceous shale using fluosilicic acid. International Journal of Mineral Processing, 2011, 100, 184-187.	2.6	29
191	Expression and function of two chaperone proteins, AtGroEL and AtGroES, from Acidithiobacillus ferrooxidans ATCC 23270. World Journal of Microbiology and Biotechnology, 2011, 27, 2981-2988.	1.7	2
192	Effect of microwave irradiation on secondary structure of Î±-amylase by circular dichroism. Central South University, 2011, 18, 1029-1033.	0.5	6
193	Effect of chloride ion on bacterial pre-oxidation of arsenic-containing gold concentrate. Journal of Central South University, 2011, 18, 1418-1424.	1.2	4
194	Bioleaching of a low grade nickelâ€"copperâ€"cobalt sulfide ore. Hydrometallurgy, 2011, 106, 32-37.	1.8	51
195	Hydrothermal Synthesis and Characterization of Single-Crystalline -Fe₂O₃Nanocubes. Journal of Nanomaterials, 2011, 2011, 1-5.	1.5	49
196	Solvent extraction of zinc from zinc sulfate solution. Central South University, 2010, 17, 760-764.	0.5	19
197	Solvothermal synthesis and characterization of size-controlled monodisperse Fe3O4 nanoparticles. Journal of Materials Science, 2010, 45, 3483-3489.	1.7	46
198	Metabolic changes of Acidithiobacillus caldus under Cu²⁺ stress. Journal of Basic Microbiology, 2010, 50, 591-598.	1.8	12

#	Article	IF	Citations
199	Biomolecule-assisted synthesis of flower-like NiS microcrystals via a hydrothermal process. Journal of Alloys and Compounds, 2010, 493, 529-534.	2.8	29
200	Galena-pyrolusite co-extraction in sodium chloride solution and its electrochemical analysis. Transactions of Nonferrous Metals Society of China, 2010, 20, 897-902.	1.7	13
201	Effect of surfactant OPD on the bioleaching of marmatite. Minerals Engineering, 2009, 22, 10-13.	1.8	32
202	The effect of preferential flow on extraction and surface morphology of copper sulphides during heap leaching. Hydrometallurgy, 2009, 95, 76-81.	1.8	53
203	Column bioleaching of a low grade nickel-bearing sulfide ore containing high magnesium as olivine, chlorite and antigorite. Hydrometallurgy, 2009, 96, 337-341.	1.8	45
204	Heap bioleaching of a low-grade nickel-bearing sulfide ore containing high levels of magnesium as olivine, chlorite and antigorite. Hydrometallurgy, 2009, 98, 58-65.	1.8	35
205	Preparation of lead sulfate powder directly from galena concentrates. Transactions of Nonferrous Metals Society of China, 2009, 19, 479-483.	1.7	13
206	Hydro-chemical conversion of galena in FeCl3-KCl solution. Transactions of Nonferrous Metals Society of China, 2009, 19, 1331-1335.	1.7	2
207	Microwave-assisted synthesis and characterization of ZnO-nanorod arrays. Transactions of Nonferrous Metals Society of China, 2009, 19, 1578-1582.	1.7	41
208	Bioleaching of sphalerite by Acidithiobacillus ferrooxidans and Acidithiobacillus thiooxidans cultured in 9K medium modified with pyrrhotite. Central South University, 2008, 15, 503-507.	0.5	10
209	Bacterial leaching of chalcopyrite and bornite with native bioleaching microorganism. Transactions of Nonferrous Metals Society of China, 2008, 18, 1468-1472.	1.7	31
210	Bioleaching of low grade nickel sulfide mineral in column reactor. Transactions of Nonferrous Metals Society of China, 2008, 18, 1480-1484.	1.7	21
211	Bioleaching of chalcopyrite by pure and mixed culture. Transactions of Nonferrous Metals Society of China, 2008, 18, 1491-1496.	1.7	42
212	Electrodeposition of dixanthogen(TETD) on pyrite surface. Transactions of Nonferrous Metals Society of China, 2007, 17, 154-158.	1.7	10
213	Simulated small-scale pilot plant heap leaching of low-grade oxide zinc ore with integrated selective extraction of zinc. Minerals Engineering, 2007, 20, 694-700.	1.8	50
214	Calculation of electron structure by density function theory and electrochemical process of surface (100) of FeS2. Central South University, 2007, 14, 618-622.	0.5	9
215	Ferrous ion oxidation by Thiobacillus ferrooxidans immobilized on activated carbon. Transactions of Nonferrous Metals Society of China, 2006, 16, 927-930.	1.7	3
216	Microbial leaching of marmatite by Acidithiobacillus ferrooxidans and Acidithiobacillus thiooxidans. Transactions of Nonferrous Metals Society of China, 2006, 16, 937-942.	1.7	13

#	Article	IF	Citations
217	Electrode process of diethyldithiocarbamate on surface of pyrrhotite. Central South University, 2005, 12, 416-419.	0.5	0
218	Corrosive electrochemistry of jamesonite by cyclic voltammetry. Central South University, 2004, 11, 286-290.	0.5	2
219	Oxygen adsorption on pyrite (100) surface by density functional theory. Central South University, 2004, 11, 385-390.	0.5	17
220	Theoretical study of the surface energy and electronic structure of pyrite FeS2 (100) using a total-energy pseudopotential method, CASTEP. Journal of Colloid and Interface Science, 2004, 270, 127-132.	5.0	40
221	Recovery of zinc from low-grade zinc oxide ores by solvent extraction. Central South University, 2003, 10, 98-102.	0.5	12
222	Dynamics of electrodeposition of tetraethylthioram disulphide (TETD) on pyrite surface. Central South University, 2001, 8, 164-168.	0.5	4
223	Effect of Solution Compositions on Optimum Redox Potential in Bioleaching of Chalcopyrite by Moderately Thermophilic Bacteria. , 0, , 1-3.		0