

# Yuehua Hu

## List of Publications by Year in descending order

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191  
papers

9,267  
citations

23544

58  
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56687

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194  
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194  
docs citations

194  
times ranked

4623  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on in situ phytoremediation of mine tailings. <i>Chemosphere</i> , 2017, 184, 594-600.	4.2	370
2	Adsorption of a novel reagent scheme on scheelite and calcite causing an effective flotation separation. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 39-46.	5.0	187
3	Membrane technologies for Li+/Mg2+ separation from salt-lake brines and seawater: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 7-23.	2.9	186
4	A process for combination of recycling lithium and regenerating graphite from spent lithium-ion battery. <i>Waste Management</i> , 2019, 85, 529-537.	3.7	182
5	Selective flotation of scheelite from calcite and fluorite using a collector mixture. <i>Minerals Engineering</i> , 2015, 72, 23-26.	1.8	166
6	Fatty acid flotation versus BHA flotation of tungsten minerals and their performance in flotation practice. <i>International Journal of Mineral Processing</i> , 2017, 159, 22-29.	2.6	149
7	Anisotropic surface energies and adsorption behaviors of scheelite crystal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 439-448.	2.3	140
8	Adsorption mechanism of new mixed anionic/cationic collectors in a spodumene-feldspar flotation system. <i>Chemical Engineering Science</i> , 2017, 164, 99-107.	1.9	140
9	Systematic review of lithium extraction from salt-lake brines via precipitation approaches. <i>Minerals Engineering</i> , 2019, 139, 105868.	1.8	138
10	Isolation and characterization of a Cr(VI)-reduction <i>Ochrobactrum</i> sp. strain CSCr-3 from chromium landfill. <i>Journal of Hazardous Materials</i> , 2009, 163, 869-873.	6.5	128
11	New insights into the dodecylamine adsorption on scheelite and calcite: An adsorption model. <i>Minerals Engineering</i> , 2015, 79, 54-61.	1.8	125
12	Selective flotation of scheelite from calcite: A novel reagent scheme. <i>International Journal of Mineral Processing</i> , 2016, 154, 10-15.	2.6	123
13	Research on the Adsorption Behavior of Heavy Metal Ions by Porous Material Prepared with Silicate Tailings. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 291.	0.8	119
14	Selective adsorption of benzhydroxamic acid on fluorite rendering selective separation of fluorite/calcite. <i>Applied Surface Science</i> , 2018, 435, 752-758.	3.1	112
15	Emerging Nanoclay Composite for Effective Hemostasis. <i>Advanced Functional Materials</i> , 2018, 28, 1704452.	7.8	106
16	Activation mechanism of Fe (III) ions in cassiterite flotation with benzhydroxamic acid collector. <i>Minerals Engineering</i> , 2018, 119, 31-37.	1.8	105
17	Effect of Pb 2+ ions on ilmenite flotation and adsorption of benzhydroxamic acid as a collector. <i>Applied Surface Science</i> , 2017, 425, 796-802.	3.1	104
18	Anisotropic surface properties of calcite: A consideration of surface broken bonds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 53-61.	2.3	103

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19	Selective adsorption of tannic acid on calcite and implications for separation of fluorite minerals. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 55-63.	5.0	101
20	Activation role of lead ions in benzohydroxamic acid flotation of oxide minerals: New perspective and new practice. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 150-160.	5.0	97
21	Synergistic effect of mixed cationic/anionic collectors on flotation and adsorption of muscovite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 492, 181-189.	2.3	96
22	Surface crystal chemistry of spodumene with different size fractions and implications for flotation. <i>Separation and Purification Technology</i> , 2016, 169, 33-42.	3.9	93
23	Interactions of amphoteric amino phosphoric acids with calcium-containing minerals and selective flotation. <i>International Journal of Mineral Processing</i> , 2003, 72, 87-94.	2.6	92
24	Dealkalization processes of bauxite residue: A comprehensive review. <i>Journal of Hazardous Materials</i> , 2021, 403, 123671.	6.5	92
25	The activation mechanism of lead ions in the flotation of ilmenite using sodium oleate as a collector. <i>Minerals Engineering</i> , 2017, 111, 100-107.	1.8	87
26	A novel approach for flotation recovery of spodumene, mica and feldspar from a lithium pegmatite ore. <i>Journal of Cleaner Production</i> , 2018, 174, 625-633.	4.6	85
27	Nanoclay-modulated oxygen vacancies of metal oxide. <i>Communications Chemistry</i> , 2019, 2, .	2.0	84
28	Surface broken bonds: An efficient way to assess the surface behaviour of fluorite. <i>Minerals Engineering</i> , 2019, 130, 15-23.	1.8	84
29	Selective flotation separation of spodumene from feldspar using new mixed anionic/cationic collectors. <i>Minerals Engineering</i> , 2016, 89, 84-92.	1.8	83
30	Anglesite and silver recovery from jarosite residues through roasting and sulfidization-flotation in zinc hydrometallurgy. <i>Journal of Hazardous Materials</i> , 2014, 278, 49-54.	6.5	82
31	Flotation separation of scheelite from calcite using mixed cationic/anionic collectors. <i>Minerals Engineering</i> , 2016, 98, 261-263.	1.8	81
32	Surface-Charge Anisotropy of Scheelite Crystals. <i>Langmuir</i> , 2016, 32, 6282-6288.	1.6	80
33	An extensive review on restoration technologies for mining tailings. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33911-33925.	2.7	80
34	Flotation separation of diaspore from kaolinite, pyrophyllite and illite using three cationic collectors. <i>Minerals Engineering</i> , 2008, 21, 1055-1061.	1.8	78
35	The flotation and adsorption of mixed collectors on oxide and silicate minerals. <i>Advances in Colloid and Interface Science</i> , 2017, 250, 1-14.	7.0	74
36	The anomalous behavior of kaolinite flotation with dodecyl amine collector as explained from crystal structure considerations. <i>International Journal of Mineral Processing</i> , 2005, 76, 163-172.	2.6	73

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37	Improved flotation separation of cassiterite from calcite using a mixture of lead (II) ion/benzohydroxamic acid as collector and carboxymethyl cellulose as depressant. <i>Minerals Engineering</i> , 2017, 113, 68-70.	1.8	73
38	Adsorption of Pb(II)/benzohydroxamic acid collector complexes for ilmenite flotation. <i>Minerals Engineering</i> , 2018, 126, 16-23.	1.8	73
39	A Luminescent Hypercrosslinked Conjugated Microporous Polymer for Efficient Removal and Detection of Mercury Ions. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1566-1571.	2.0	71
40	Engineering a tubular mesoporous silica nanocontainer with well-preserved clay shell from natural halloysite. <i>Nano Research</i> , 2017, 10, 2782-2799.	5.8	71
41	Preparation of porous material from talc by mechanochemical treatment and subsequent leaching. <i>Applied Clay Science</i> , 2006, 31, 290-297.	2.6	69
42	Adsorption behavior of mixed cationic/anionic surfactants and their depression mechanism on the flotation of quartz. <i>Powder Technology</i> , 2016, 302, 15-20.	2.1	68
43	Enabling the sustainable recycling of $\text{LiFePO}_4$ from spent lithium-ion batteries. <i>Green Chemistry</i> , 2022, 24, 2506-2515.	4.6	68
44	Anisotropic adsorption of oleate on diasporite and kaolinite crystals: Implications for their flotation separation. <i>Applied Surface Science</i> , 2014, 321, 331-338.	3.1	67
45	Molecular dynamics simulation study of the interaction of mixed cationic/anionic surfactants with muscovite. <i>Applied Surface Science</i> , 2015, 327, 364-370.	3.1	67
46	Probing Anisotropic Surface Properties and Surface Forces of Fluorite Crystals. <i>Langmuir</i> , 2018, 34, 2511-2521.	1.6	67
47	Intercalated 2D nanoclay for emerging drug delivery in cancer therapy. <i>Nano Research</i> , 2017, 10, 2633-2643.	5.8	66
48	The role of cationic polyacrylamide in the reverse flotation of diasporic bauxite. <i>Minerals Engineering</i> , 2007, 20, 1191-1199.	1.8	65
49	Adsorption mechanism of lead ions at ilmenite/water interface and its influence on ilmenite flotability. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 53, 285-293.	2.9	65
50	Selective flotation of scheelite from calcite using Al-Na $2\text{SiO}_3$ polymer as depressant and Pb-BHA complexes as collector. <i>Minerals Engineering</i> , 2018, 120, 29-34.	1.8	65
51	Systematic review of feldspar beneficiation and its comprehensive application. <i>Minerals Engineering</i> , 2018, 128, 141-152.	1.8	64
52	Adhesion forces between cells of <i>Acidithiobacillus ferrooxidans</i> , <i>Acidithiobacillus thiooxidans</i> or <i>Leptospirillum ferrooxidans</i> and chalcocopyrite. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 94, 95-100.	2.5	63
53	Novel insights into adsorption mechanism of benzohydroxamic acid on lead (II)-activated cassiterite surface: An integrated experimental and computational study. <i>Minerals Engineering</i> , 2018, 122, 327-338.	1.8	63
54	Influence of surface dissolution on sodium oleate adsorption on ilmenite and its gangue minerals by ultrasonic treatment. <i>Applied Surface Science</i> , 2020, 500, 144038.	3.1	63

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55	Preparation of $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ with tunable morphology from flue gas desulphurization gypsum using malic acid as modifier: A theoretical and experimental study. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 292-301.	5.0	62
56	A novel precipitant for separating lithium from magnesium in high Mg/Li ratio brine. <i>Hydrometallurgy</i> , 2019, 187, 125-133.	1.8	62
57	Understanding the activation mechanism of $\text{Pb}^{2+}$ ion in benzohydroxamic acid flotation of spodumene: Experimental findings and DFT simulations. <i>Minerals Engineering</i> , 2019, 143, 106006.	1.8	61
58	1-Hydroxyethylidene-1,1-diphosphonic acid used as pH-dependent switch to depress and activate fluorite flotation I: Depressing behavior and mechanism. <i>Chemical Engineering Science</i> , 2020, 214, 115369.	1.9	61
59	Selective Flotation of Calcite from Fluorite: A Novel Reagent Schedule. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 114.	0.8	60
60	Evaluation of the replacement of NaCN with depressant mixtures in the separation of copper-molybdenum sulphide ore by flotation. <i>Separation and Purification Technology</i> , 2017, 173, 9-16.	3.9	60
61	Bioleaching of a low-grade nickel-copper sulfide by mixture of four thermophiles. <i>Bioresource Technology</i> , 2014, 153, 300-306.	4.8	57
62	Advanced $\text{MoSe}_2$ /Carbon Electrodes in Li/Na-ions Batteries. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901651.	1.9	57
63	Radical guided selective loading of silver nanoparticles at interior lumen and out surface of halloysite nanotubes. <i>Materials and Design</i> , 2016, 110, 169-178.	3.3	56
64	Anisotropic surface physicochemical properties of spodumene and albite crystals: Implications for flotation separation. <i>Applied Surface Science</i> , 2017, 426, 1005-1022.	3.1	56
65	Effects of the preassembly of benzohydroxamic acid with Fe (III) ions on its adsorption on cassiterite surface. <i>Minerals Engineering</i> , 2018, 127, 32-41.	1.8	55
66	Cationic flotation of scheelite from calcite using quaternary ammonium salts as collector: Adsorption behavior and mechanism. <i>Minerals Engineering</i> , 2015, 81, 18-28.	1.8	54
67	Microbial Diversity of Chromium-Contaminated Soils and Characterization of Six Chromium-Removing Bacteria. <i>Environmental Management</i> , 2016, 57, 1319-1328.	1.2	54
68	Study on the mechanism and application of a novel collector-complexes in cassiterite flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 635-641.	2.3	54
69	The utilization of waste by-products for removing silicate from mineral processing wastewater via chemical precipitation. <i>Water Research</i> , 2017, 125, 318-324.	5.3	53
70	A review on the electrochemistry of galena flotation. <i>Minerals Engineering</i> , 2020, 150, 106272.	1.8	53
71	Flotation and adsorption of muscovite using mixed cationic-nonionic surfactants as collector. <i>Powder Technology</i> , 2015, 276, 26-33.	2.1	52
72	Emerging integrated nanoclay-facilitated drug delivery system for papillary thyroid cancer therapy. <i>Scientific Reports</i> , 2016, 6, 33335.	1.6	52

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73	Tailoring Mesoporous $\text{Al}_2\text{O}_3$ Properties by Transition Metal Doping: A Combined Experimental and Computational Study. <i>Chemistry of Materials</i> , 2017, 29, 1338-1349.	3.2	52
74	Comparison of the reduction of chemical oxygen demand in wastewater from mineral processing using the coagulation-flocculation, adsorption and Fenton processes. <i>Minerals Engineering</i> , 2018, 128, 275-283.	1.8	51
75	Use of $\text{Al}_2(\text{SO}_4)_3$ and acidified water glass as mixture depressants in flotation separation of fluorite from calcite and celestite. <i>Minerals Engineering</i> , 2019, 137, 160-170.	1.8	51
76	Investigation of the thermal decomposition of talc. <i>Clays and Clay Minerals</i> , 2014, 62, 137-144.	0.6	50
77	Anisotropic surface chemistry properties and adsorption behavior of silicate mineral crystals. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 340-351.	7.0	50
78	Novel Insights into the Hydroxylation Behaviors of $\text{SiO}_2$ -Quartz (101) Surface and its Effects on the Adsorption of Sodium Oleate. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 450.	0.8	50
79	Self-Assembled Growth and Pore Size Control of the Bubble-Template Porous Carbonated Hydroxyapatite Microsphere. <i>Crystal Growth and Design</i> , 2010, 10, 1180-1188.	1.4	49
80	Inhibition performance and adsorption of polycarboxylic acids in calcite flotation. <i>Minerals Engineering</i> , 2019, 133, 60-68.	1.8	49
81	Novel catalysis mechanisms of benzohydroxamic acid adsorption by lead ions and changes in the surface of scheelite particles. <i>Minerals Engineering</i> , 2018, 119, 11-22.	1.8	48
82	Evaluation of the possibility of copper recovery from tailings by flotation through bench-scale, commissioning, and industrial tests. <i>Journal of Cleaner Production</i> , 2018, 171, 1039-1048.	4.6	48
83	Selective separation behavior and its molecular mechanism of cassiterite from quartz using cupferron as a novel flotation collector with a lower dosage of $\text{Pb}^{2+}$ ions. <i>Applied Surface Science</i> , 2019, 486, 228-238.	3.1	48
84	Efficient utilisation of flue gas desulfurization gypsum as a potential material for fluoride removal. <i>Science of the Total Environment</i> , 2019, 649, 344-352.	3.9	48
85	Replacing Petrov's process with atmospheric flotation using Pb-BHA complexes for separating scheelite from fluorite. <i>Minerals Engineering</i> , 2020, 145, 106053.	1.8	47
86	Adsorption Mechanism of 4-Amino-5-mercapto-1,2,4-triazole as Flotation Reagent on Chalcopyrite. <i>Langmuir</i> , 2018, 34, 4071-4083.	1.6	45
87	Selective sulfide precipitation of copper ions from arsenic wastewater using monoclinic pyrrhotite. <i>Science of the Total Environment</i> , 2020, 705, 135816.	3.9	43
88	Metal Microporous Aromatic Polymers with Improved Performance for Small Gas Storage. <i>Chemistry - A European Journal</i> , 2015, 21, 13357-13363.	1.7	41
89	The behavior of N,N-dipropyl dodecyl amine as a collector in the flotation of kaolinite and diaspore. <i>Minerals Engineering</i> , 2011, 24, 737-740.	1.8	40
90	A comparison study of the flotation and adsorption behaviors of diaspore and kaolinite with quaternary ammonium collectors. <i>Minerals Engineering</i> , 2014, 65, 124-129.	1.8	40

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91	Electrocoagulation method for treatment and reuse of sulphide mineral processing wastewater: Characterization and kinetics. <i>Science of the Total Environment</i> , 2019, 696, 134063.	3.9	39
92	Configurations of lead(II)-benzohydroxamic acid complexes in colloid and interface: A new perspective. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 342-351.	5.0	39
93	Adsorption of mixed DDA/NaOL surfactants at the air/water interface by molecular dynamics simulations. <i>Chemical Engineering Science</i> , 2016, 155, 167-174.	1.9	38
94	Fluorite particles as a novel calcite recovery depressant in scheelite flotation using Pb-BHA complexes as collectors. <i>Minerals Engineering</i> , 2019, 132, 84-91.	1.8	38
95	Investigation of the thermal behaviour and decomposition kinetics of kaolinite. <i>Clay Minerals</i> , 2015, 50, 199-209.	0.2	37
96	Microbial diversity in acid mineral bioleaching systems of dongxiang copper mine and Yinshan lead-zinc mine. <i>Extremophiles</i> , 2008, 12, 225-234.	0.9	36
97	Selective depression of pyrite with a novel functionally modified biopolymer in a Cu-Fe flotation system. <i>Minerals Engineering</i> , 2019, 135, 55-63.	1.8	35
98	A significant improvement of scheelite recovery using recycled flotation wastewater treated by hydrometallurgical waste acid. <i>Journal of Cleaner Production</i> , 2017, 151, 419-426.	4.6	34
99	Effect of surfactant OPD on the bioleaching of marmatite. <i>Minerals Engineering</i> , 2009, 22, 10-13.	1.8	32
100	New insights into the oleate flotation response of feldspar particles of different sizes: Anisotropic adsorption model. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 500-508.	5.0	32
101	Insight into Influence of Glycerol on Preparing $\frac{1}{2}\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ from Flue Gas Desulfurization Gypsum in Glycerol-Water Solutions with Succinic Acid and NaCl. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 9831-9838.	1.8	32
102	Effect of phytic acid on the surface properties of scheelite and fluorite for their selective flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 573, 80-87.	2.3	32
103	Propyl gallate: A novel collector for flotation separation of fluorite from calcite. <i>Chemical Engineering Science</i> , 2019, 193, 255-263.	1.9	32
104	Study on quantitative structure-activity relationship of quaternary ammonium salt collectors for bauxite reverse flotation. <i>Minerals Engineering</i> , 2012, 26, 24-33.	1.8	31
105	Insights into the activation mechanism of calcium ions on the sericite surface: A combined experimental and computational study. <i>Applied Surface Science</i> , 2018, 427, 162-168.	3.1	31
106	Self-assembly of mixed dodecylamine-dodecanol molecules at the air/water interface based on large-scale molecular dynamics. <i>Journal of Molecular Liquids</i> , 2019, 276, 867-874.	2.3	31
107	Substituent effects in kaolinite flotation using dodecyl tertiary amines. <i>Minerals Engineering</i> , 2009, 22, 849-852.	1.8	30
108	Insights into the relation between adhesion force and chalcopyrite-bioleaching by <i>Acidithiobacillus ferrooxidans</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 351-357.	2.5	30

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109	A facile method of transforming FGD gypsum to $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$ whiskers with cetyltrimethylammonium bromide (CTAB) and KCl in glycerol-water solution. <i>Scientific Reports</i> , 2017, 7, 7085.	1.6	29
110	Precipitation Methods Using Calcium-Containing Ores for Fluoride Removal in Wastewater. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 511.	0.8	29
111	Selective Separation of Scheelite from Calcite by Self-Assembly of $\text{H}_2\text{SiO}_3$ Polymer Using $\text{Al}^{3+}$ in Pb-BHA Flotation. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 43.	0.8	29
112	Selective Flotation of Cassiterite from Calcite with Salicylhydroxamic Acid Collector and Carboxymethyl Cellulose Depressant. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 316.	0.8	28
113	Novel insights into the surface microstructures of lead(II) benzohydroxamic on oxide mineral. <i>Applied Surface Science</i> , 2018, 458, 405-412.	3.1	28
114	Flotation and adsorption of quaternary ammonium salts collectors on kaolinite of different particle size. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 249-253.	4.6	27
115	Magnetic separation of phosphate contaminants from starch wastewater using magnetic seeding. <i>Science of the Total Environment</i> , 2019, 695, 133723.	3.9	27
116	Evaluation of L-cysteine as an eco-friendly depressant for the selective separation of $\text{MoS}_2$ from PbS by flotation. <i>Journal of Molecular Liquids</i> , 2019, 282, 177-186.	2.3	27
117	A significant improvement of scheelite flotation efficiency with etidronic acid. <i>Journal of Cleaner Production</i> , 2018, 180, 858-865.	4.6	26
118	Reverse Flotation Separation of Fluorite from Calcite: A Novel Reagent Scheme. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 511.	0.8	26
119	The selective flotation separation of celestite from fluorite and calcite using a novel depressant EDTA. <i>Powder Technology</i> , 2019, 352, 62-71.	2.1	26
120	A novel method for desulfurization and purification of fluorite concentrate using acid leaching and reverse flotation of sulfide. <i>Journal of Cleaner Production</i> , 2019, 209, 1006-1015.	4.6	26
121	Investigation of two-stage depressing by using hydrophilic polymer to improve the process of fluorite flotation. <i>Journal of Cleaner Production</i> , 2018, 193, 228-235.	4.6	25
122	Effects of Hydration on the Adsorption of Benzohydroxamic Acid on the Lead-Ion-Activated Cassiterite Surface: A DFT Study. <i>Langmuir</i> , 2021, 37, 2205-2212.	1.6	25
123	Enhanced separation of fluorite from calcite in acidic condition. <i>Minerals Engineering</i> , 2019, 133, 103-105.	1.8	24
124	Comparison of bioleaching behaviors of different compositional sphalerite using <i>Leptospirillum ferriphilum</i> , <i>Acidithiobacillus ferrooxidans</i> and <i>Acidithiobacillus caldus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 845-851.	1.4	23
125	Insights into the dynamics of bacterial communities during chalcopyrite bioleaching. <i>FEMS Microbiology Ecology</i> , 2010, 74, 155-164.	1.3	23
126	Simultaneous control of particle size and morphology of $\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$ with organic additives. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2440-2450.	1.9	23



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127	Recycling of iron and titanium resources from early tailings: From fundamental work to industrial application. <i>Chemosphere</i> , 2020, 242, 125178.	4.2	23
128	Synergistic adsorption of DDA/alcohol mixtures at the air/water interface: A molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2017, 243, 1-8.	2.3	22
129	Synergetic Effect of the Mixed Anionic/Non-Ionic Collectors in Low Temperature Flotation of Scheelite. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 87.	0.8	22
130	Utilisation of 1-Hydroxyethylidene-1, 1-diphosphonic acid as a selective depressant for the separation of scheelite from calcite and fluorite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123888.	2.3	22
131	Preparation of hydrolyzate of hogwash oil (HHO) and its application in separating diaspore from kaolinite. <i>Minerals Engineering</i> , 2010, 23, 670-675.	1.8	21
132	Flotation and Adsorption of a New Polysaccharide Depressant on Pyrite and Talc in the Presence of a Pre-Adsorbed Xanthate Collector. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 40.	0.8	21
133	Utilisation of FGD gypsum for silicate removal from scheelite flotation wastewater. <i>Chemical Engineering Journal</i> , 2018, 341, 272-279.	6.6	21
134	Oxidative Depression of Arsenopyrite by Using Calcium Hypochlorite and Sodium Humate. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 463.	0.8	21
135	Performance Analysis of Thiocarbonohydrazide as a Novel Selective Depressant for Chalcopyrite in Molybdenite-Chalcopyrite Separation. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 142.	0.8	21
136	A novel scheme for flotation tailings pulp settlement and chemical oxygen demand reduction with polyferric sulfate. <i>Journal of Cleaner Production</i> , 2019, 241, 118371.	4.6	21
137	Green Recycling of Goethite and Gypsum Residues in Hydrometallurgy with $\text{Fe}^{3+}$ and $\text{Fe}^{2+}$ Nanoparticles: Application, Characterization, and DFT Calculation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6821-6829.	3.2	21
138	Cr(III) and Fe(II) recovery from the polymetallic leach solution of electroplating sludge by Cr(III)-Fe(III) coprecipitation on maghemite. <i>Hydrometallurgy</i> , 2019, 184, 132-139.	1.8	21
139	Flotation separation of diaspore from aluminosilicates using commercial oleic acids of different iodine values. <i>International Journal of Mineral Processing</i> , 2017, 168, 95-101.	2.6	20
140	Adsorption behaviors and mechanisms of dodecyltrimethyl ammonium chloride and cetyltrimethyl ammonium chloride on illite flotation. <i>Powder Technology</i> , 2018, 331, 218-225.	2.1	20
141	Selective Flotation of Pyrite from Galena Using Chitosan with Different Molecular Weights. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 549.	0.8	20
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