

Yuehua Hu

List of Publications by Year in descending order

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Version: 2024-02-01

191
papers

9,267
citations

23544

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194
all docs

194
docs citations

194
times ranked

4623
citing authors

#	ARTICLE	IF	CITATIONS
1	Enabling the sustainable recycling of LiFePO_4 from spent lithium-ion batteries. <i>Green Chemistry</i> , 2022, 24, 2506-2515.	4.6	68
2	Investigation of the Flotation Separation of Scheelite from Fluorite with a Novel Chelating Agent: Pentasodium Diethylenetriaminepentaacetate. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 530.	0.8	2
3	Selective adsorption of trisodium nitrilotriacetate on calcite and its application for the separation of fluorite minerals. <i>Minerals Engineering</i> , 2022, 185, 107703.	1.8	5
4	Dealkalization processes of bauxite residue: A comprehensive review. <i>Journal of Hazardous Materials</i> , 2021, 403, 123671.	6.5	92
5	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
6	Clean and Feasible Utilization of High Silica Fluorspar Powder via Reverse Flotation: A Pilot Study. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 555.	0.8	1
7	Highly efficient re-cycle/generation of LiCoO_2 cathode assisted by 2-naphthalenesulfonic acid. <i>Journal of Hazardous Materials</i> , 2021, 416, 126114.	6.5	16
8	Coupling regeneration strategy of lithium-ion electrode materials turned with naphthalenedisulfonic acid. <i>Waste Management</i> , 2021, 136, 1-10.	3.7	3
9	Surface modification of ilmenite by a novel surfactant dodecyliminodimethylenediphosphonic acid and its sequent influence on ilmenite floatability. <i>Separation Science and Technology</i> , 2020, 55, 358-368.	1.3	5
10	Membrane technologies for $\text{Li}^+/\text{Mg}^{2+}$ 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
11	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
12	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
13	Recycling of iron and titanium resources from early tailings: From fundamental work to industrial application. <i>Chemosphere</i> , 2020, 242, 125178.	4.2	23
14	Advanced MoSe_2 /Carbon Electrodes in Li/Na^+ Batteries. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901651.	1.9	57
15	The synergistic depression phenomenon of an organic and inorganic reagent on FeS_2 in Cu S flotation scheme. <i>Journal of Molecular Liquids</i> , 2020, 299, 112198.	2.3	16
16	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
17	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
18	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

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19	Dealkalization of Bauxite Residue Through Acid Neutralization and Its Revegetation Potential. <i>Jom</i> , 2020, 72, 319-325.	0.9	12
20	Anisotropic surface chemistry properties of salt-type and oxide mineral crystals. <i>Minerals Engineering</i> , 2020, 154, 106411.	1.8	8
21	Computational insights into the adsorption mechanism of gallic acid-bearing reagents on calcium-bearing mineral surfaces. <i>Minerals Engineering</i> , 2020, 156, 106485.	1.8	9
22	A review on the electrochemistry of galena flotation. <i>Minerals Engineering</i> , 2020, 150, 106272.	1.8	53
23	Flotability of laurionite and its response to sulfidization flotation. <i>Minerals Engineering</i> , 2020, 148, 106183.	1.8	6
24	A Novel Collector 5-(Butylthio)-1,3,4-Thiadiazole-2-Thiol: Synthesis and Improved Flotation of Galena and Sphalerite from Pyrite. <i>Minerals, Metals and Materials Series</i> , 2020, , 633-649.	0.3	1
25	Simultaneous control of particle size and morphology of $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ with organic additives. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2440-2450.	1.9	23
26	Systematic review of lithium extraction from salt-lake brines via precipitation approaches. <i>Minerals Engineering</i> , 2019, 139, 105868.	1.8	138
27	Novel Insights into the Hydroxylation Behaviors of α -Quartz (101) Surface and its Effects on the Adsorption of Sodium Oleate. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 450.	0.8	50
28	Selective Flotation of Pyrite from Galena Using Chitosan with Different Molecular Weights. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 549.	0.8	20
29	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
30	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
31	Magnetic separation of phosphate contaminants from starch wastewater using magnetic seeding. <i>Science of the Total Environment</i> , 2019, 695, 133723.	3.9	27
32	Precipitation Methods Using Calcium-Containing Ores for Fluoride Removal in Wastewater. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 511.	0.8	29
33	Understanding the activation mechanism of Pb^{2+} ion in benzohydroxamic acid flotation of spodumene: Experimental findings and DFT simulations. <i>Minerals Engineering</i> , 2019, 143, 106006.	1.8	61
34	The Depression and Adsorption Mechanism of Polyglutamic Acid on Chalcopyrite and Pyrrhotite Flotation Systems. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 510.	0.8	13
35	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
36	Improved Flotation Separation of Apatite from Calcite with Benzohydroxamic Acid Collector. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2019, 40, 427-436.	2.6	17

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37	Structures of Pb-BHA Complexes Adsorbed on Scheelite Surface. <i>Frontiers in Chemistry</i> , 2019, 7, 645.	1.8	18
38	Inhibition performance and adsorption of polycarboxylic acids in calcite flotation. <i>Minerals Engineering</i> , 2019, 133, 60-68.	1.8	49
39	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
40	Selective Separation of Scheelite from Calcite by Self-Assembly of H ₂ SiO ₃ Polymer Using Al ³⁺ in Pb-BHA Flotation. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 43.	0.8	29
41	Pyrogallic acid: A novel depressant for bismuthinite in Mo-Bi sulfide ore flotation. <i>Minerals Engineering</i> , 2019, 131, 237-240.	1.8	11
42	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
43	Nanoclay-modulated oxygen vacancies of metal oxide. <i>Communications Chemistry</i> , 2019, 2, .	2.0	84
44	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
45	An SFG spectroscopy study of the interfacial water structure and the adsorption of sodium silicate at the fluorite and silica surfaces. <i>Minerals Engineering</i> , 2019, 138, 178-187.	1.8	15
46	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
47	Selective separation behavior and its molecular mechanism of cassiterite from quartz using cupferron as a novel flotation collector with a lower dosage of Pb ²⁺ ions. <i>Applied Surface Science</i> , 2019, 486, 228-238.	3.1	48
48	A novel precipitant for separating lithium from magnesium in high Mg/Li ratio brine. <i>Hydrometallurgy</i> , 2019, 187, 125-133.	1.8	62
49	Computational and experimental investigation of dimethyldithiocarbamate for effective recovery of cobalt and nickel from the leach liquor of high manganese slag. <i>Separation and Purification Technology</i> , 2019, 223, 55-62.	3.9	11
50	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
51	Use of Al ₂ (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
52	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
53	Evaluation of L-cysteine as an eco-friendly depressant for the selective separation of MoS ₂ from PbS by flotation. <i>Journal of Molecular Liquids</i> , 2019, 282, 177-186.	2.3	27
54	Green Recycling of Goethite and Gypsum Residues in Hydrometallurgy with Fe ₃ O ₄ and Fe ₂ O ₃ Nanoparticles: Application, Characterization, and DFT Calculation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6821-6829.	3.2	21

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55	Purification of starch and phosphorus wastewater using core-shell magnetic seeds prepared by sulfated roasting. <i>Journal of Environmental Sciences</i> , 2019, 81, 4-16.	3.2	15
56	Enhanced separation of fluorite from calcite in acidic condition. <i>Minerals Engineering</i> , 2019, 133, 103-105.	1.8	24
57	Utilization of Sodium Hexametaphosphate for Separating Scheelite from Calcite and Fluorite Using an Anionic Nonionic Collector. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 705.	0.8	18
58	The Contribution of Long-Term Static Interactions Between Minerals and Flotation Reagents for the Separation of Fluorite and Calcite. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 699.	0.8	8
59	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
60	Propyl gallate: A novel collector for flotation separation of fluorite from calcite. <i>Chemical Engineering Science</i> , 2019, 193, 255-263.	1.9	32
61	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
62	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
63	A new approach for characterization of hydrophobization mechanisms of surfactants on muscovite surface. <i>Separation and Purification Technology</i> , 2019, 209, 936-945.	3.9	18
64	Surface broken bonds: An efficient way to assess the surface behaviour of fluorite. <i>Minerals Engineering</i> , 2019, 130, 15-23.	1.8	84
65	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
66	Selective flotation of scheelite from calcite using Al-Na ₂ SiO ₃ polymer as depressant and Pb-BHA complexes as collector. <i>Minerals Engineering</i> , 2018, 120, 29-34.	1.8	65
67	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
68	A significant improvement of scheelite flotation efficiency with etidronic acid. <i>Journal of Cleaner Production</i> , 2018, 180, 858-865.	4.6	26
69	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
70	Utilisation of FGD gypsum for silicate removal from scheelite flotation wastewater. <i>Chemical Engineering Journal</i> , 2018, 341, 272-279.	6.6	21
71	Probing Anisotropic Surface Properties and Surface Forces of Fluorite Crystals. <i>Langmuir</i> , 2018, 34, 2511-2521.	1.6	67
72	Emerging Nanoclay Composite for Effective Hemostasis. <i>Advanced Functional Materials</i> , 2018, 28, 1704452.	7.8	106

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73	Activation mechanism of Fe (III) ions in cassiterite flotation with benzohydroxamic acid collector. <i>Minerals Engineering</i> , 2018, 119, 31-37.	1.8	105
74	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
75	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
76	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
77	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
78	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
79	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
80	Magnetic Separation and Recycling of Goethite and Calcium Sulfate in Zinc Hydrometallurgy in the Presence of Maghemite Fine Particles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1532-1538.	3.2	15
81	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
82	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
83	Beneficiation and Purification of Tungsten and Cassiterite Minerals Using Pb ²⁺ -BHA Complexes Flotation and Centrifugal Separation. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 566.	0.8	17
84	Oxidative Depression of Arsenopyrite by Using Calcium Hypochlorite and Sodium Humate. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 463.	0.8	21
85	Effect of H ₂ O ₂ on the Separation of Mo-Bi-Containing Ore by Flotation. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 402.	0.8	15
86	Significant Improvement in the Scheelite Heating Flotation with Sodium Sulfide. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 402.	0.8	15
87	New Insights into the Configurations of Lead(II)-Benzohydroxamic Acid Coordination Compounds in Aqueous Solution: A Combined Experimental and Computational Study. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 368.	0.8	17
88	Mechanism of Goethite Precipitation on Magnetite and Maghemite Nanoparticles Studied by Surface Complexation/Precipitation Modeling. <i>Langmuir</i> , 2018, 34, 15134-15142.	1.6	15
89	An extensive review on restoration technologies for mining tailings. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33911-33925.	2.7	80
90	Reverse Flotation Separation of Fluorite from Calcite: A Novel Reagent Scheme. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 402.	0.8	15

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91	Interpretation of Hydrophobization Behavior of Dodecylamine on Muscovite and Talc Surface through Dynamic Wettability and AFM Analysis. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 391.	0.8	8
92	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
93	Size-Tunable Natural Mineral-Molybdenite for Lithium-Ion Batteries Toward: Enhanced Storage Capacity and Quicken Ions Transferring. <i>Frontiers in Chemistry</i> , 2018, 6, 389.	1.8	19
94	Systematic review of feldspar beneficiation and its comprehensive application. <i>Minerals Engineering</i> , 2018, 128, 141-152.	1.8	64
95	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
96	Silicate removal from recycled wastewater for the improvement of scheelite flotation performance. <i>Journal of Cleaner Production</i> , 2018, 195, 280-288.	4.6	15
97	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
98	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
99	Adsorption of Pb(II)/benzohydroxamic acid collector complexes for ilmenite flotation. <i>Minerals Engineering</i> , 2018, 126, 16-23.	1.8	73
100	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
101	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
102	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
103	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
104	Effect of Chain Length Compatibility of Alcohols on Muscovite Flotation by Dodecyl Amine. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 168.	0.8	3
105	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
106	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
107	Tailoring Mesoporous Al_2O_3 Properties by Transition Metal Doping: A Combined Experimental and Computational Study. <i>Chemistry of Materials</i> , 2017, 29, 1338-1349.	3.2	52
108	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

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109	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
110	Intercalated 2D nanoclay for emerging drug delivery in cancer therapy. <i>Nano Research</i> , 2017, 10, 2633-2643.	5.8	66
111	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
112	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
113	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
114	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
115	A review on in situ phytoremediation of mine tailings. <i>Chemosphere</i> , 2017, 184, 594-600.	4.2	370
116	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
117	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
118	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
119	New Insights into the Role of Pb-BHA Complexes in the Flotation of Tungsten Minerals. <i>Jom</i> , 2017, 69, 2345-2351.	0.9	14
120	Insight into Influence of Glycerol on Preparing $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ from Flue Gas Desulfurization Gypsum in Glycerol-Water Solutions with Succinic Acid and NaCl. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 9831-9838.	1.8	32
121	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
122	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
123	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
124	Effect of Pb ²⁺ ions on ilmenite flotation and adsorption of benzohydroxamic acid as a collector. <i>Applied Surface Science</i> , 2017, 425, 796-802.	3.1	104
125	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
126	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

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127	Synergistic catalytic effects of visible light and graphene on bioleaching of chalcopyrite. RSC Advances, 2017, 7, 49838-49848.	1.7	13
128	The flotation and adsorption of mixed collectors on oxide and silicate minerals. Advances in Colloid and Interface Science, 2017, 250, 1-14.	7.0	74
129	A novel two-dimensional polyrotaxane network self-assembled by heterowheel [4]pseudorotaxane. Supramolecular Chemistry, 2017, 29, 176-182.	1.5	2
130	Evaluation of the replacement of NaCN with depressant mixtures in the separation of copper-molybdenum sulphide ore by flotation. Separation and Purification Technology, 2017, 173, 9-16.	3.9	60
131	Flotability Improvement of Ilmenite Using Attrition-Scrubbing as a Pretreatment Method. Minerals (Basel, Switzerland), 2017, 7, 13.	0.8	19
132	Flotation and Adsorption of a New Polysaccharide Depressant on Pyrite and Talc in the Presence of a Pre-Adsorbed Xanthate Collector. Minerals (Basel, Switzerland), 2017, 7, 40.	0.8	21
133	The Effect of Polystyrene on the Carrier Flotation of Fine Smithsonite. Minerals (Basel, Switzerland), 2017, 7, 52.	0.8	12
134	A Density Functional Theory Study on the Effect of Lattice Impurities on the Electronic Structures and Reactivity of Fluorite. Minerals (Basel, Switzerland), 2017, 7, 160.	0.8	15
135	Selective Recovery of Mushistonite from Gravity Tailings of Copper-Tin Minerals in Tajikistan. Minerals (Basel, Switzerland), 2017, 7, 242.	0.8	7
136	Discovery of a Novel Cationic Surfactant: Tributyltetradecyl-Phosphonium Chloride for Iron Ore Flotation: From Prediction to Experimental Verification. Minerals (Basel, Switzerland), 2017, 7, 240.	0.8	17
137	Synergetic Effect of the Mixed Anionic/Non-Ionic Collectors in Low Temperature Flotation of Scheelite. Minerals (Basel, Switzerland), 2017, 7, 87.	0.8	22
138	Synergistic Adsorption and Flotation of New Mixed Cationic/Nonionic Collectors on Muscovite. Minerals (Basel, Switzerland), 2017, 7, 74.	0.8	13
139	Selective Flotation of Calcite from Fluorite: A Novel Reagent Schedule. Minerals (Basel, Switzerland), 2016, 6, 114.	0.8	60
140	Synergistic effect of mixed cationic/anionic collectors on flotation and adsorption of muscovite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 492, 181-189.	2.3	96
141	Flotation separation of scheelite from calcite using mixed cationic/anionic collectors. Minerals Engineering, 2016, 98, 261-263.	1.8	81
142	Radical guided selective loading of silver nanoparticles at interior lumen and out surface of halloysite nanotubes. Materials and Design, 2016, 110, 169-178.	3.3	56
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