

Siyuan Yang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

507
citations

15
h-index

20
g-index

46
ext. papers

749
ext. citations

5.1
avg, IF

4.83
L-index

#	Paper	IF	Citations
41	Dissolution of starch and its role in the flotation separation of quartz from hematite. <i>Powder Technology</i> , 2017 , 320, 346-357	5.2	37
40	Preparation, characteristics and mechanisms of the composite sintered bricks produced from shale, sewage sludge, coal gangue powder and iron ore tailings. <i>Construction and Building Materials</i> , 2020 , 232, 117250	6.7	35
39	Structural and functional insights into starches as depressant for hematite flotation. <i>Minerals Engineering</i> , 2018 , 124, 149-157	4.9	28
38	Role of magnesium-bearing silicates in the flotation of pyrite in the presence of serpentine slimes. <i>Powder Technology</i> , 2018 , 332, 1-7	5.2	26
37	The entrainment behaviour of sericite in microcrystalline graphite flotation. <i>International Journal of Mineral Processing</i> , 2014 , 127, 1-9		26
36	Exploration of a novel depressant polyepoxysuccinic acid for the flotation separation of pentlandite from lizardite slimes. <i>Applied Clay Science</i> , 2021 , 202, 105939	5.2	25
35	Poly(diallyldimethylammonium-MoS) based amorphous molybdenum sulphide composite for selectively mercury uptake from wastewater across a large pH region. <i>Chemosphere</i> , 2019 , 232, 9-17	8.4	22
34	Molybdenum sulphide modified chelating resin for toxic metal adsorption from acid mine wastewater. <i>Separation and Purification Technology</i> , 2020 , 251, 117407	8.3	22
33	2D amorphous MoS ₃ nanosheets with porous network structures for scavenging toxic metal ions from synthetic acid mine drainage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18799-18806	13	21
32	Measurement of froth zone and collection zone recoveries with various starch depressants in anionic flotation of hematite and quartz. <i>Minerals Engineering</i> , 2019 , 138, 31-42	4.9	20
31	The anionic flotation of fluorite from barite using gelatinized starch as the depressant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 597, 124794	5.1	20
30	A novel decanedioic hydroxamic acid collector for the flotation separation of bastn�site from calcite. <i>Minerals Engineering</i> , 2020 , 151, 106306	4.9	19
29	The utilization of citric acid as a depressant for the flotation separation of barite from fluorite. <i>Minerals Engineering</i> , 2020 , 156, 106491	4.9	19
28	Flotation separation of barite from calcite using acidified water glass as the depressant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 579, 123605	5.1	18
27	A comparative review of microplastics in lake systems from different countries and regions. <i>Chemosphere</i> , 2022 , 286, 131806	8.4	15
26	Studies of benzyl hydroxamic acid/calcium lignosulphonate addition order in the flotation separation of smithsonite from calcite. <i>International Journal of Mining Science and Technology</i> , 2021 , ,	7.1	13
25	The flotation separation of fluorite from calcite using hydroxypropyl starch as a depressant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 616, 126168	5.1	12

24	Flotation Mechanism of Wolframite with Varied Components Fe/Mn. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016 , 37, 34-41	3.1	11
23	Effects of the calcite on quartz flotation using the reagent scheme of starch/dodecylamine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 583, 123983	5.1	10
22	Modelling of disjoining pressure for Lennard-Jones free thin films. <i>Modern Physics Letters B</i> , 2016 , 30, 1650169	1.6	9
21	Engineering Anion Resin based Amorphous Molybdenum Sulphide Composite for Treatment of Authentic Acid Mine Drainage. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104072	6.8	8
20	Utilization of polyepoxysuccinic acid as a green depressant for the flotation separation of smithsonite from calcite. <i>Minerals Engineering</i> , 2021 , 168, 106933	4.9	8
19	An analytical model of the growth of invisible bubbles on solid surfaces in a supersaturated solution. <i>Chemical Engineering Science</i> , 2020 , 215, 114968	4.4	8
18	An Integrated Optofluidic Platform Enabling Total Phosphorus On-Chip Digestion and Online Real-Time Detection. <i>Micromachines</i> , 2020 , 11,	3.3	7
17	Exploration of amino trimethylene phosphonic acid to eliminate the adverse effect of seawater in molybdenite flotation. <i>International Journal of Mining Science and Technology</i> , 2021 , 31, 1129-1129	7.1	7
16	New applications of deep eutectic solvents for separation of quartz and magnetite. <i>Chemical Physics Letters</i> , 2021 , 762, 138152	2.5	7
15	Electrokinetic potential reduction of fine particles induced by gas nucleation. <i>Ultrasonics Sonochemistry</i> , 2020 , 67, 105167	8.9	6
14	Film tension of liquid nano-film from molecular modeling. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1750016	1.1	6
13	A novel method to achieve the flotation of pyrite from lizardite slime without collector or depressant. <i>Minerals Engineering</i> , 2020 , 157, 106580	4.9	6
12	Utilization of tetrasodium iminodisuccinate to eliminate the adverse effect of serpentine on the flotation of pyrite. <i>Minerals Engineering</i> , 2020 , 150, 106235	4.9	5
11	Investigations on the reverse flotation of quartz from hematite using carboxymethyl chitosan as a depressant. <i>Powder Technology</i> , 2021 , 393, 109-115	5.2	5
10	Specific ion binding interactions in potash flotation. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 418-426	9.3	4
9	Effects of barite size on the fluorite flotation using the reagent scheme of GS/NaOH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 626, 127101	5.1	4
8	Utilization of trisodium phosphate to eliminate the adverse effect of Mg ²⁺ on the flotation of pyrite. <i>Minerals Engineering</i> , 2020 , 150, 106281	4.9	3
7	The optimization and characterization of the recycling utilization of raffinate in the copper leaching process. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 2214-2222	5.5	3

6	Experimental and kinetic study of zinc leaching from metallurgical slag by 5-sulfosalicylic acid. <i>Physicochemical Problems of Mineral Processing</i> , 2021 , 57, 8-20	1-3	3
5	Investigations on the synergistic effect of combined NaOl/SPA collector in ilmenite flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127267	5-1	3
4	Utilization of water glass as a dispersant to improve the separation performance of fluorite from barite slimes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 635, 128036	5-1	2
3	Liberation and Enrichment of Metallic Iron from Reductively Roasted Copper Slag. <i>Jom</i> , 2021 , 73, 1013-1022	1-2	2
2	Retraction notice to "Specific ion binding interactions in potash flotation" [J. Colloid interface Sci. 553 (2019) 418-426]. <i>Journal of Colloid and Interface Science</i> , 2020 , 562, 614	9-3	1
1	Investigations of amino trimethylene phosphonic acid as a green and efficient depressant for the flotation separation of apatite from calcite. <i>Minerals Engineering</i> , 2022 , 181, 107552	4-9	1