

# Siyuan Yang

## List of Publications by Year in descending order

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42  
papers

1,043  
citations

331642

21  
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434170

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docs citations

46  
times ranked

553  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative review of microplastics in lake systems from different countries and regions. <i>Chemosphere</i> , 2022, 286, 131806.	8.2	86
2	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.	7.2	84
3	Molybdenum sulphide modified chelating resin for toxic metal adsorption from acid mine wastewater. <i>Separation and Purification Technology</i> , 2020, 251, 117407.	7.9	59
4	Dissolution of starch and its role in the flotation separation of quartz from hematite. <i>Powder Technology</i> , 2017, 320, 346-357.	4.2	53
5	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, 31, 1153-1158.	10.3	49
6	The entrainment behaviour of sericite in microcrystalline graphite flotation. <i>International Journal of Mineral Processing</i> , 2014, 127, 1-9.	2.6	46
7	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	39
8	Structural and functional insights into starches as depressant for hematite flotation. <i>Minerals Engineering</i> , 2018, 124, 149-157.	4.3	36
9	2D amorphous MoS <sub>3</sub> 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.	10.3	36
10	Role of magnesium-bearing silicates in the flotation of pyrite in the presence of serpentine slimes. <i>Powder Technology</i> , 2018, 332, 1-7.	4.2	35
11	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.	4.3	32
12	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.	4.7	32
13	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.	4.7	31
14	Poly(diallyldimethylammonium-MoS <sub>4</sub> ) based amorphous molybdenum sulphide composite for selectively mercury uptake from wastewater across a large pH region. <i>Chemosphere</i> , 2019, 232, 9-17.	8.2	31
15	The utilization of citric acid as a depressant for the flotation separation of barite from fluorite. <i>Minerals Engineering</i> , 2020, 156, 106491.	4.3	31
16	A novel decanedioic hydroxamic acid collector for the flotation separation of bastnäs site from calcite. <i>Minerals Engineering</i> , 2020, 151, 106306.	4.3	30
17	Utilization of polyepoxysuccinic acid as a green depressant for the flotation separation of smithsonite from calcite. <i>Minerals Engineering</i> , 2021, 168, 106933.	4.3	28
18	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, 1129-1134.	10.3	28

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19	Investigations on the reverse flotation of quartz from hematite using carboxymethyl chitosan as a depressant. <i>Powder Technology</i> , 2021, 393, 109-115.	4.2	26
20	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.	4.7	24
21	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.	4.7	21
22	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.	4.7	21
23	Flotation Mechanism of Wolframite with Varied Components Fe/Mn. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016, 37, 34-41.	5.0	18
24	An analytical model of the growth of invisible bubbles on solid surfaces in a supersaturated solution. <i>Chemical Engineering Science</i> , 2020, 215, 114968.	3.8	15
25	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.	6.7	14
26	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.	4.3	14
27	An Integrated Optofluidic Platform Enabling Total Phosphorus On-Chip Digestion and Online Real-Time Detection. <i>Micromachines</i> , 2020, 11, 59.	2.9	13
28	A novel method to achieve the flotation of pyrite from lizardite slime without collector or depressant. <i>Minerals Engineering</i> , 2020, 157, 106580.	4.3	12
29	Utilization of tetrasodium iminodisuccinate to eliminate the adverse effect of serpentine on the flotation of pyrite. <i>Minerals Engineering</i> , 2020, 150, 106235.	4.3	11
30	New applications of deep eutectic solvents for separation of quartz and magnetite. <i>Chemical Physics Letters</i> , 2021, 762, 138152.	2.6	11
31	Electrokinetic potential reduction of fine particles induced by gas nucleation. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105167.	8.2	10
32	Effects of barite size on the fluorite flotation using the reagent scheme of GS/NaOl. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127101.	4.7	10
33	Modelling of disjoining pressure for Lennard-Jones free thin films. <i>Modern Physics Letters B</i> , 2016, 30, 1650169.	1.9	9
34	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.	0.4	7
35	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.	4.7	7
36	Film tension of liquid nano-film from molecular modeling. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750016.	2.0	6

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37	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.	5.8	6
38	Utilization of trisodium phosphate to eliminate the adverse effect of Mg <sup>2+</sup> on the flotation of pyrite. <i>Minerals Engineering</i> , 2020, 150, 106281.	4.3	6
39	Liberation and Enrichment of Metallic Iron from Reductively Roasted Copper Slag. <i>Jom</i> , 2021, 73, 1013-1022.	1.9	6
40	Characterization, Spatial Variation and Management Strategy of Sewer Sediments Collected from Combined Sewer System: A Case Study in Longgang District, Shenzhen. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7687.	2.6	3
41	The effect of lizardite on talc flotation using carboxymethyl cellulose as a depressant. <i>Physicochemical Problems of Mineral Processing</i> , 2020, 56, 702-709.	0.4	2
42	Reverse flotation of collophanite at natural pH using isooctyl polyoxyethylene ether phosphate as a collector. <i>Physicochemical Problems of Mineral Processing</i> , 2021, 57, 78-86.	0.4	0