

Zhao Wei

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	Improving the flotation efficiency of Pb-BHA complexes using an electron-donating group. <i>Chemical Engineering Science</i> , 2021, 234, 116461.	1.9	24
8	A novel metal-organic complex surfactant for high-efficiency mineral flotation. <i>Chemical Engineering Journal</i> , 2021, 426, 130853.	6.6	24
9	Enhanced electronic effect improves the collecting efficiency of benzohydroxamic acid for scheelite flotation. <i>Minerals Engineering</i> , 2020, 152, 106308.	1.8	23
10	Structures of Pb-BHA Complexes Adsorbed on Scheelite Surface. <i>Frontiers in Chemistry</i> , 2019, 7, 645.	1.8	18
11	Beneficiation and Purification of Tungsten and Cassiterite Minerals Using Pb-BHA Complexes Flotation and Centrifugal Separation. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 566.	0.8	17
12	Selective separation of scheelite from calcite using tartaric acid and Pb-BHA complexes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126657.	2.3	15
13	Novel insights into the role of colloidal calcium dioleate in the flotation of calcium minerals. <i>Minerals Engineering</i> , 2022, 175, 107274.	1.8	14
14	Hydrophobic behavior of fluorite surface in strongly alkaline solution and its application in flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 609, 125661.	2.3	13
15	Al-caustic starch coordination compounds: A new depressant for fine calcite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129268.	2.3	13
16	Flotation separation of apatite from calcite based on the surface transformation by fluorite particles. <i>Minerals Engineering</i> , 2022, 176, 107320.	1.8	11
17	Fluorite particles as a novel barite depressant in terms of surface transformation. <i>Minerals Engineering</i> , 2021, 166, 106877.	1.8	10
18	Recovery of ultrafine scheelite particles by magnetic seeding flocculation and its mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127266.	2.3	9

#	ARTICLE	IF	CITATIONS
19	Probing a colloidal lead-group multiple ligand collector and its adsorption on a mineral surface. Minerals Engineering, 2021, 160, 106696.	1.8	8
20	A Highly Selective Reagent Scheme for Scheelite Flotation: Polyaspartic Acid and Pb ²⁺ -BHA Complexes. Minerals (Basel, Switzerland), 2020, 10, 561.	0.8	7
21	Slow-release of fluorite and its effect on flotation separation of magnesite from calcite. Minerals Engineering, 2022, 185, 107707.	1.8	6