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List of Publications by Year in descending order

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48
papers

1,299
citations

331538

21
h-index

360920

35
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all docs

48
docs citations

48
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of induction and attachment times of wetting thin films between air bubbles and particles and its relevance in the separation of particles by flotation. <i>Advances in Colloid and Interface Science</i> , 2010, 159, 1-21.	7.0	203
2	The beneficiation of lithium minerals from hard rock ores: A review. <i>Minerals Engineering</i> , 2019, 131, 170-184.	1.8	155
3	A review on determination of particle–bubble encounter using analytical, experimental and numerical methods. <i>Minerals Engineering</i> , 2018, 122, 296-311.	1.8	60
4	Fundamental aspects of bubble–particle attachment mechanism in flotation separation. <i>Minerals Engineering</i> , 2014, 65, 187-195.	1.8	49
5	A relationship between the bubble–particle attachment time and the mineralogy of a copper–sulphide ore. <i>Minerals Engineering</i> , 2011, 24, 1335-1339.	1.8	48
6	A comparison of methods for measuring the induction time for bubble–particle attachment. <i>Minerals Engineering</i> , 2015, 80, 8-13.	1.8	47
7	Hydrodynamics and mass transfer in a draft tube airlift reactor with dilute alcohol solutions. <i>AIChE Journal</i> , 2007, 53, 2897-2904.	1.8	46
8	A review of the effects of grinding media and chemical conditions on the flotation of pyrite in refractory gold operations. <i>Minerals Engineering</i> , 2016, 94, 21-28.	1.8	44
9	The relationships between the bubble–particle attachment time, collector dosage and the mineralogy of a copper sulfide ore. <i>Minerals Engineering</i> , 2012, 36-38, 309-313.	1.8	40
10	Influence of liberation on bubble–particle attachment time in flotation. <i>Minerals Engineering</i> , 2015, 74, 156-162.	1.8	38
11	Evaluation of SDBS surfactant on coal wetting performance with static methods: Preliminary laboratory tests. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 2140-2150.	1.2	38
12	Technological assessments on recent developments in fine and coarse particle flotation systems. <i>Minerals Engineering</i> , 2022, 180, 107509.	1.8	38
13	Influence of clays on the slurry rheology and flotation of a pyritic gold ore. <i>Applied Clay Science</i> , 2017, 136, 230-238.	2.6	35
14	Structure–activity relationship of xanthates with different hydrophobic groups in the flotation of pyrite. <i>Minerals Engineering</i> , 2018, 125, 155-164.	1.8	32
15	Molecular insight into the mechanism of benzene ring in nonionic surfactants on low-rank coal floatability. <i>Journal of Molecular Liquids</i> , 2020, 302, 112563.	2.3	30
16	Influence of the propagation of three phase contact line on flotation recovery. <i>Minerals Engineering</i> , 2014, 57, 43-49.	1.8	27
17	Investigation of bubble–particle attachment interaction during flotation. <i>Minerals Engineering</i> , 2019, 133, 91-94.	1.8	27
18	Flotation kinetic models for fixed and variable pulp chemical conditions. <i>Minerals Engineering</i> , 2015, 78, 66-68.	1.8	26

#	ARTICLE	IF	CITATIONS
19	Recovery of Fine and Ultrafine Mineral Particles by Electroflotation – A Review. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2019, 40, 108-122.	2.6	24
20	Influence of grinding media and water quality on flotation performance of gold bearing pyrite. <i>Minerals Engineering</i> , 2017, 112, 68-76.	1.8	23
21	Galvanic interaction of grinding media with arsenopyrite and pyrite and its effect on gold cyanide leaching. <i>Minerals Engineering</i> , 2018, 116, 46-55.	1.8	21
22	Thin liquid film drainage mechanism between air bubbles and low-rank coal particles in the presence of surfactant. <i>Fuel Processing Technology</i> , 2019, 186, 18-24.	3.7	21
23	Effect of polymer stabilizers' viscosity on red sand structure strength and dust pollution resistance. <i>Powder Technology</i> , 2019, 352, 117-125.	2.1	19
24	Characterizing surface properties of oxidized coal using FTIR and contact angle measurements. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 1559-1564.	1.2	17
25	Surface hydrophobicity of sub-bituminous and meta-bituminous coal and their flotation kinetics. <i>Fuel</i> , 2019, 242, 416-424.	3.4	17
26	Surface properties of aged coal and their effects on bubble-particle attachment during flotation. <i>Advanced Powder Technology</i> , 2020, 31, 1490-1499.	2.0	17
27	Flotation behavior of pyrite in sub-bituminous and meta-bituminous coals with starch depressant in a microflotation cell. <i>Fuel Processing Technology</i> , 2019, 187, 1-15.	3.7	14
28	Understanding flotation mechanism of nonionic surfactants with different polarity on kaolinite as a gangue mineral: An experimental and simulation study. <i>Minerals Engineering</i> , 2020, 148, 106226.	1.8	14
29	Investigations of gas holdup, interfacial area of bubbles and bubble size distributions in a pilot plant flotation column. <i>Minerals Engineering</i> , 2021, 164, 106819.	1.8	14
30	Influence of clays on fine particle filtration. <i>Applied Clay Science</i> , 2018, 156, 45-52.	2.6	13
31	Influence of bubble approach velocity on liquid film drainage between a bubble and a spherical particle. <i>Powder Technology</i> , 2018, 338, 140-144.	2.1	11
32	Using 3D-QSAR to predict the separation efficiencies of flotation collectors: Implications for rational design of non-polar side chains. <i>Minerals Engineering</i> , 2018, 129, 112-119.	1.8	10
33	Desulphurization of coals of different ranks in the presence of slimes by reverse flotation. <i>Energy Reports</i> , 2019, 5, 1316-1323.	2.5	10
34	A new tool to rationally design highly efficient organic sensitizers for dye-sensitized solar cells: A three-dimensional quantitative structure-activity relationship (3D-QSAR) perspective. <i>Solar Energy</i> , 2019, 184, 187-194.	2.9	10
35	The effect of grinding chemistry on cyanide leaching of gold in the presence of pyrrhotite. <i>Hydrometallurgy</i> , 2017, 173, 115-124.	1.8	9
36	Performance evaluation of processing clay-containing ore in Knelson concentrator. <i>Minerals Engineering</i> , 2020, 152, 106372.	1.8	8

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37	Investigation on the effects of chemical pretreatment on the iron ore tailing dewatering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126855.	2.3	8
38	Electroflotation of ultrafine chalcopyrite particles with sodium oleate collector. <i>Minerals Engineering</i> , 2018, 120, 44-46.	1.8	7
39	Image analysis of liberation spectrum of coarse particles. <i>Advanced Powder Technology</i> , 2019, 30, 1989-1993.	2.0	6
40	Prediction of gas hold-up for alcohol solutions in a draft-tube bubble column. <i>Acta Periodica Technologica</i> , 2006, , 71-82.	0.5	6
41	Influence of surface tension gradient on liquid circulation time in a draft tube airlift reactor. <i>Chemical Engineering Research and Design</i> , 2016, 113, 241-249.	2.7	4
42	The Stefanâ€“Reynolds Model and the Modified Stefanâ€“Reynolds Model for Studying Bubbleâ€“Particle Attachment Interactions in the Context of Flotation. <i>Langmuir</i> , 2019, 35, 4278-4286.	1.6	4
43	Understanding of attachment efficiency and induction time between bubbles and pyrite particles in flotation. <i>Advanced Powder Technology</i> , 2021, 32, 424-431.	2.0	4
44	Predicting sliding times of a particle over a bubble surface under various chemical conditions. <i>Minerals Engineering</i> , 2019, 137, 177-180.	1.8	2
45	Detrimental effect of calcium on grinding performance of a kaolin-containing ore. <i>Applied Clay Science</i> , 2021, 215, 106307.	2.6	2
46	Attachment interactions between low-rank coal particles and air/oily bubbles in a microflotation cell. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 1209-1215.	1.2	1
47	Influence of grinding media, pyrite mineralogy and water chemistry on the galvanic interaction between grinding media and pyrite. <i>Canadian Metallurgical Quarterly</i> , 2019, 58, 427-437.	0.4	0
48	Influence of slip length on filtration performance of fine particles. <i>Advanced Powder Technology</i> , 2021, 32, 1333-1340.	2.0	0