Wei Zhang

List of Publications by Year
in descending order

26 papers	335 citations	840776 11 h-index	839539 18 g-index
27 all docs	27 docs citations	27 times ranked	175 citing authors

#	Article	IF	Citations
1	Characterizing Frothers through Critical Coalescence Concentration (CCC)95-Hydrophile-Lipophile Balance (HLB) Relationship. Minerals (Basel, Switzerland), 2012, 2, 208-227.	2.0	73
2	Evaluation of effect of viscosity changes on bubble size in a mechanical flotation cell. Transactions of Nonferrous Metals Society of China, 2014, 24, 2964-2968.	4.2	25
3	Water Recovery and Bubble Surface Area Flux in Flotation. Canadian Metallurgical Quarterly, 2010, 49, 353-362.	1.2	24
4	Use of frother with sampling-for-imaging bubble sizing technique. Minerals Engineering, 2009, 22, 513-515.	4.3	23
5	Frother functionâ€“structure relationship: Dependence of CCC95 on HLB and the H-ratio. Minerals Engineering, 2014, 61, 1-8.	4.3	19
6	Effect of solids on pulp and froth properties in flotation. Journal of Central South University, 2014, 21, 1461-1469.	3.0	19
7	Effects of initial bubble size on geometric and motion characteristics of bubble released in water. Journal of Central South University, 2018, 25, 3021-3032.	3.0	19
8	Determining independent control of dual-frother systems â€“ Gas holdup, bubble size and water overflow rate. Minerals Engineering, 2012, 39, 106-116.	4.3	18
9	Frother structure-property relationship: Effect of polyethylene glycols on bubble rise velocity. Minerals Engineering, 2018, 116, 56-61.	4.3	17
10	Frother partitioning in dual-frother systems: Development of analytical technique. International Journal of Mineral Processing, 2013, 119, 75-82.	2.6	15
11	Technical Problem Identification for the Failures of the Liberty Ships. Challenges, 2016, 7, 20.	1.7	13
12	A novel approach to prevent bubble coalescence during measurement of bubble size in flotation. Journal of Central South University, 2014, 21, 338-343.	3.0	11
13	The Effects of Frothers and Particles on the Characteristics of Pulp and Froth Properties in Flotationâ€”A Critical Review. Journal of Minerals and Materials Characterization and Engineering, 2016, 04, 251-269.	0.4	9
14	Bubble size as a function of some situational variables in mechanical flotation machines. Journal of Central South University, 2014, 21, 720-727.	3.0	6
15	A Review on the Dissection of Quenched Blast Furnacesâ€”Spanning from the Early 1950s to the 1970s. Processes, 2016, 4, 36.	2.8	6
16	Evaluation of Susceptibility to Hydrogen Embrittlementâ€”A Rising Step Load Testing Method. Materials Sciences and Applications, 2016, 07, 389-395.	0.4	6
17	Influence of bubble diameter and solids concentration on bubble stability: Development of a novel analytical approach. Journal of Central South University, 2014, 21, 3588-3595.	3.0	5
18	Correspondence of bubble size and frother partitioning in flotation. Journal of Central South University, 2014, 21, 2383-2390.	3.0	5

#	Article	IF	Citations
19	Optimizing Performance of SABC Comminution Circuit of the Wushan Porphyry Copper Mineâ€”A Practical Approach. Minerals (Basel, Switzerland), 2016, 6, 127.	2.0	5
20	Effect of some operational variables on bubble size in a pilot-scale mechanical flotation machine. Journal of Central South University, 2014, 21, 1077-1084.	3.0	4
21	Synthesis and characterization of alkyl, propoxy, ethoxy-based frothers. Minerals Engineering, 2016, 95, 66-73.	4.3	4
22	Weighing the Pros and Cons: Transformation of Angle of View for Three Gorges Dam. Natural Resources, 2014, 05, 1048-1056.	0.4	4
23	Water Recovery and Bubble Surface Area Flux in Flotation. Canadian Metallurgical Quarterly, 2010, 49, 353-362.	1.2	2
24	Experiences in using gas dispersion measurements to evaluate metallurgical performance of scavenger cleaner and recleaner circuit at Valeâ€™s Thompson Mill. Journal of Central South University, 2014, 21, 3955-3962.	3.0	1
25	Extraction of Energy Resourcesâ€”Exploitation of the Canadian Oil Sands. Natural Resources, 2014, 05, 507-519.	0.4	1
26	Rolling, Partial and Full Annealing of 6061 Characterization of Microstructure, Tensile Strengths and Ductility. Materials Sciences and Applications, 2016, 07, 453-464.	0.4	1