

# Wei Zhang

## List of Publications by Year in descending order

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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  | Frother structure-property relationship: Effect of polyethylene glycols on bubble rise velocity. Minerals Engineering, 2018, 116, 56-61.  | 4.3 | 17        |
| 2  | 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        |
| 3  | Technical Problem Identification for the Failures of the Liberty Ships. Challenges, 2016, 7, 20.  | 1.7 | 13        |
| 4  | A Review on the Dissection of Quenched Blast Furnaces—Spanning from the Early 1950s to the 1970s. Processes, 2016, 4, 36.   | 2.8 | 6         |
| 5  | Optimizing Performance of SABC Comminution Circuit of the Wushan Porphyry Copper Mine—A Practical Approach. Minerals (Basel, Switzerland), 2016, 6, 127.  | 2.0 | 5         |
| 6  | Synthesis and characterization of alkyl, propoxy, ethoxy-based frothers. Minerals Engineering, 2016, 95, 66-73.   | 4.3 | 4         |
| 7  | The Effects of Frothers and Particles on the Characteristics of Pulp and Froth Properties in Flotation—A Critical Review. Journal of Minerals and Materials Characterization and Engineering, 2016, 04, 251-269.      | 0.4 | 9         |
| 8  | Evaluation of Susceptibility to Hydrogen Embrittlement—A Rising Step Load Testing Method. Materials Sciences and Applications, 2016, 07, 389-395.   | 0.4 | 6         |
| 9  | 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         |
| 10 | Experiences in using gas dispersion measurements to evaluate metallurgical performance of scavenger cleaner and recleaner circuit at Vale—™s Thompson Mill. Journal of Central South University, 2014, 21, 3955-3962. | 3.0 | 1         |
| 11 | 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        |
| 12 | 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         |
| 13 | Frother function—structure relationship: Dependence of CCC95 on HLB and the H-ratio. Minerals Engineering, 2014, 61, 1-8.   | 4.3 | 19        |
| 14 | 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        |
| 15 | 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         |
| 16 | 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         |
| 17 | Effect of solids on pulp and froth properties in flotation. Journal of Central South University, 2014, 21, 1461-1469.   | 3.0 | 19        |
| 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 | Extraction of Energy Resources—Exploitation of the Canadian Oil Sands. <i>Natural Resources</i> , 2014, 05, 507-519.  | 0.4 | 1         |
| 20 | Weighing the Pros and Cons: Transformation of Angle of View for Three Gorges Dam. <i>Natural Resources</i> , 2014, 05, 1048-1056.   | 0.4 | 4         |
| 21 | Frother partitioning in dual-frother systems: Development of analytical technique. <i>International Journal of Mineral Processing</i> , 2013, 119, 75-82.   | 2.6 | 15        |
| 22 | Characterizing Frothers through Critical Coalescence Concentration (CCC) <sup>95</sup> -Hydrophile-Lipophile Balance (HLB) Relationship. <i>Minerals (Basel, Switzerland)</i> , 2012, 2, 208-227. | 2.0 | 73        |
| 23 | Determining independent control of dual-frother systems — Gas holdup, bubble size and water overflow rate. <i>Minerals Engineering</i> , 2012, 39, 106-116.                                       | 4.3 | 18        |
| 24 | Water Recovery and Bubble Surface Area Flux in Flotation. <i>Canadian Metallurgical Quarterly</i> , 2010, 49, 353-362.  | 1.2 | 24        |
| 25 | Water Recovery and Bubble Surface Area Flux in Flotation. <i>Canadian Metallurgical Quarterly</i> , 2010, 49, 353-362.  | 1.2 | 2         |
| 26 | Use of frother with sampling-for-imaging bubble sizing technique. <i>Minerals Engineering</i> , 2009, 22, 513-515.  | 4.3 | 23        |