

# Zhao Cao

## List of Publications by Year in descending order

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17  
papers

528  
citations

840776

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888059

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all docs

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docs citations

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times ranked

401  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of calcination condition on the microstructure and pozzolanic activity of calcined coal gangue. <i>International Journal of Mineral Processing</i> , 2016, 146, 23-28.	2.6	143
2	FTIR studies of xanthate adsorption on chalcopyrite, pentlandite and pyrite surfaces. <i>Journal of Molecular Structure</i> , 2013, 1048, 434-440.	3.6	100
3	The role of sodium sulfide in the flotation of pyrite depressed in chalcopyrite flotation. <i>Minerals Engineering</i> , 2018, 119, 93-98.	4.3	58
4	Separation of bastnaesite from fluorite using ethylenediamine tetraacetic acid as depressant. <i>Minerals Engineering</i> , 2019, 134, 134-141.	4.3	51
5	Raman spectroscopic investigation on pure $D_{2O}/H_{2O}$ from 303 to 573 K: interpretation and implications for water structure. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 610-617.	2.5	36
6	Reverse Flotation of Quartz From Magnetite Ore with Modified Sodium Oleate. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2013, 34, 320-330.	5.0	23
7	Crystallization and thermal stability effects on tailings glass-ceramics by various heat treating processes. <i>Materials Chemistry and Physics</i> , 2021, 263, 124334.	4.0	20
8	Preparation and characterization of high-strength calcium silicate boards from coal-fired industrial solid wastes. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 892-900.	4.9	17
9	Synergistic depression mechanism of $Ca^{2+}$ ions and sodium silicate on bastnaesite flotation. <i>Journal of Rare Earths</i> , 2022, 40, 988-995.	4.8	17
10	Mechanism of sodium sulfide on flotation of cyanide-depressed pyrite. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 484-491.	4.2	14
11	Depression behavior and mechanism of sodium silicate on bastnaesite and parisite flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127691.	4.7	12
12	A Comparative Study on the Reduction Mechanism of $Fe_2O_3$ Under Different Heating Methods. <i>Jom</i> , 2014, 66, 1529-1536.	1.9	10
13	Effect mechanism of nonane-1,1-bisphosphonic acid as an alternative collector in monazite flotation: Experimental and calculational studies. <i>Journal of Rare Earths</i> , 2022, 40, 822-830.	4.8	9
14	Preconcentration of Iron, Rare Earth, and Fluorite from Bayan Obo Ore Using Superconducting Magnetic Separation. <i>Mining, Metallurgy and Exploration</i> , 2021, 38, 701-712.	0.8	8
15	The kinetics and efficiency of batch ball grinding with cemented tungsten carbide balls. <i>Advanced Powder Technology</i> , 2020, 31, 2412-2420.	4.1	6
16	Enrichment of Rare Earth from Wasted NdFeB Lotion with the Extraction-Precipitation Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 13338-13347.	3.7	3
17	Discussion of a review of the alumina recovery from coal fly ash, with a focus in China. <i>Fuel</i> , 2014, 134, 698.	6.4	1