

# Guisheng Zeng

## List of Publications by Year in descending order

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22  
papers

875  
citations

567281

15  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

698  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the electrostatic precipitation removal efficiency on fine particles by adding wetting agent during the chemical agglomeration process. <i>Fuel Processing Technology</i> , 2022, 230, 107202.	7.2	11
2	Hydroxypropyl amine surfactant: A novel flotation collector for efficient separation of scheelite from calcite. <i>Minerals Engineering</i> , 2021, 167, 106898.	4.3	22
3	Highly efficient phosphorus and potassium recovery from urine via crystallization process in a fluidized bed reactor system. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105623.	6.7	15
4	Recycling of mullite from high-alumina coal fly ash by a mechanochemical activation method: Effect of particle size and mechanism research. <i>Science of the Total Environment</i> , 2021, 784, 147100.	8.0	28
5	Ultrasonic power combined with seed materials for recovery of phosphorus from swine wastewater via struvite crystallization process. <i>Journal of Environmental Management</i> , 2021, 293, 112961.	7.8	85
6	Singlet oxygen-dominated activation of peroxymonosulfate by passion fruit shell derived biochar for catalytic degradation of tetracycline through a non-radical oxidation pathway. <i>Journal of Hazardous Materials</i> , 2021, 419, 126495.	12.4	180
7	Phosphorus recovery and iron, copper precipitation from swine wastewater via struvite crystallization using various magnesium compounds. <i>Journal of Cleaner Production</i> , 2021, 328, 129588.	9.3	26
8	Simultaneous Recycling of Critical Metals and Aluminum Foil from Waste $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ Cathode via Ethylene Glycol-Citric Acid System. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16133-16142.	6.7	24
9	Synthesis of $(\text{ZrO}_2\text{-Al}_2\text{O}_3)/\text{GO}$ nanocomposite by sonochemical method and the mechanism analysis of its high defluoridation. <i>Journal of Hazardous Materials</i> , 2020, 381, 120954.	12.4	36
10	A novel collector with wide pH adaptability and high selectivity towards flotation separation of scheelite from calcite. <i>Minerals Engineering</i> , 2020, 158, 106606.	4.3	22
11	Synergistic removal of cadmium and organic matter by a microalgae-endophyte symbiotic system (MESS): An approach to improve the application potential of plant-derived biosorbents. <i>Environmental Pollution</i> , 2020, 261, 114177.	7.5	21
12	Effect of magnetic field on sodium arsenate metastable zone width and crystal nucleation kinetics for crystallization. <i>International Journal of Chemical Kinetics</i> , 2020, 52, 463-471.	1.6	11
13	Synthesis of $\text{La}_2(\text{C}_2\text{O}_4)_3$ nanoprisms decorated with $\text{Fe}_3\text{O}_4$ @ $\text{m}(\text{ZrO}_2/\text{CeO}_2)$ nanospheres and their application for effective fluoride removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3650-3660.	3.2	5
14	Fluorine removal and calcium fluoride recovery from rare-earth smelting wastewater using fluidized bed crystallization process. <i>Journal of Hazardous Materials</i> , 2019, 373, 313-320.	12.4	60
15	Enhancement of Fenton oxidation for removing organic matter from hypersaline solution by accelerating ferric system with hydroxylamine hydrochloride and benzoquinone. <i>Journal of Environmental Sciences</i> , 2016, 41, 16-23.	6.1	20
16	Determination of metastable zone width and the primary nucleation kinetics of sodium sulfate. <i>Theoretical Foundations of Chemical Engineering</i> , 2015, 49, 869-876.	0.7	14
17	Preparation and properties of La-doped barium ferrite/poly (3-methylthiophene) composites. <i>Advanced Composite Materials</i> , 2015, 24, 17-26.	1.9	3
18	Hierarchical heterostructure of CdS nanoparticles sensitized electrospun $\text{TiO}_2$ nanofibers with enhanced photocatalytic activity. <i>Separation and Purification Technology</i> , 2014, 122, 60-66.	7.9	37

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19	Effects of ultrasonic radiation on induction period and nucleation kinetics of sodium sulfate. Korean Journal of Chemical Engineering, 2014, 31, 807-811.	2.7	15
20	Effect of ultrasound on sodium arsenate induction time and crystallization property during solution crystallization processes. Acoustical Physics, 2014, 60, 356-360.	1.0	8
21	Influence of silver ions on bioleaching of cobalt from spent lithium batteries. Minerals Engineering, 2013, 49, 40-44.	4.3	86
22	A copper-catalyzed bioleaching process for enhancement of cobalt dissolution from spent lithium-ion batteries. Journal of Hazardous Materials, 2012, 199-200, 164-169.	12.4	146