

# Siqi Zhang

## List of Publications by Year in descending order

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35  
papers

726  
citations

758635

12  
h-index

552369

26  
g-index

35  
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35  
docs citations

35  
times ranked

471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and application of uniform TiO <sub>2</sub> electrospun nanofiber based on pickering emulsion stabilized by TiO <sub>2</sub> /amphiphilic sodium alginate/polyoxyethylene. Journal of Dispersion Science and Technology, 2023, 44, 2340-2351.	1.3	0
2	Biodegradable cationic waterborne polyurethanes from poly(caprolactone)diol and trimethylol propane monooleate. Journal of Applied Polymer Science, 2022, 139, 51622.	1.3	3
3	Influence of the key factors on the performance of steel slag-desulphurisation gypsum-based hydration-carbonation materials. Journal of Building Engineering, 2022, 45, 103591.	1.6	12
4	Preparation of mine backfilling from steel slag-based non-clinker combined with ultra-fine tailing. Construction and Building Materials, 2022, 320, 126248.	3.2	30
5	Study on Solidification and Stabilization of Antimony-Containing Tailings with Metallurgical Slag-Based Binders. Materials, 2022, 15, 1780.	1.3	6
6	An experimental comparison: Horizontal evaluation of valuable metal extraction and arsenic emission characteristics of tailings from different copper smelting slag recovery processes. Journal of Hazardous Materials, 2022, 430, 128493.	6.5	21
7	Attenuated alpha-gamma coupling in emotional dual pathways with right Amygdala predicting ineffective antidepressant response. CNS Neuroscience and Therapeutics, 2022, 28, 401-410.	1.9	6
8	Experimental Study and Mechanism Analysis of Preparation of ̂-Calcium Sulfate Hemihydrate from FGD Gypsum with Dynamic Method. Materials, 2022, 15, 3382.	1.3	2
9	Promotion effects of gypsum on carbonation of aluminates in medium Al ladle furnace refining slag. Construction and Building Materials, 2022, 336, 127567.	3.2	7
10	Research on Very Volatile Organic Compounds and Odors from Veneered Medium Density Fiberboard Coated with Water-Based Lacquers. Molecules, 2022, 27, 3626.	1.7	5
11	Medical image fusion algorithm based on L0 gradient minimization for CT and MRI. Multimedia Tools and Applications, 2021, 80, 21135-21164.	2.6	6
12	Preparation and Properties of Biobased, Cationic, Waterborne Polyurethanes Dispersions from Castor Oil and Poly (Caprolactone) Diol. Applied Sciences (Switzerland), 2021, 11, 4784.	1.3	5
13	Amphiphilic alginate-based fluorescent polymer nanoparticles: Fabrication and multifunctional applications. International Journal of Biological Macromolecules, 2021, 183, 2152-2161.	3.6	10
14	Study on Mineral Compositions of Direct Carbonated Steel Slag by QXRD, TG, FTIR, and XPS. Energies, 2021, 14, 4489.	1.6	15
15	Enhancing the Charge Carrier Transfer of ZnFe <sub>2</sub> O <sub>4</sub> /C/TiO <sub>2</sub> Hollow Nanosphere Photocatalyst via Contact Interface Engineering. Industrial & Engineering Chemistry Research, 2021, 60, 12893-12900.	1.8	5
16	Use of CO <sub>2</sub> to Cure Steel Slag and Gypsum-Based Material. Energies, 2021, 14, 5174.	1.6	7
17	The mechanism of hydrating and solidifying green mine fill materials using circulating fluidized bed fly ash-slag-based agent. Journal of Hazardous Materials, 2021, 415, 125625.	6.5	51
18	Enhancing Arsenic Solidification/Stabilisation Efficiency of Metallurgical Slag-Based Green Mining Fill and Its Structure Analysis. Metals, 2021, 11, 1389.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Chromosome inheritance and meiotic stability in allopolyploid <i>Brassica napus</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	27
20	Tuning Supramolecular Polymers' Amphiphilicity via Host-Guest Interfacial Recognition for Stabilizing Multiple Pickering Emulsions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 51661-51672.	4.0	8
21	Solidification/Stabilization of Arsenic-Containing Tailings by Steel Slag-Based Binders with High Efficiency and Low Carbon Footprint. <i>Materials</i> , 2021, 14, 5864.	1.3	2
22	Optimal Mixture Designs for Heavy Metal Encapsulation in Municipal Solid Waste Incineration Fly Ash. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6948.	1.3	3
23	Ingestion of collagen hydrolysates alleviates skin chronological aging in an aged mouse model by increasing collagen synthesis. <i>Food and Function</i> , 2020, 11, 5573-5580.	2.1	11
24	Feasibility of using fly ash slag-based binder for mine backfilling and its associated leaching risks. <i>Journal of Hazardous Materials</i> , 2020, 400, 123191.	6.5	104
25	Influence of calcium hydroxide addition on arsenic leaching and solidification/stabilisation behaviour of metallurgical-slag-based green mining fill. <i>Journal of Hazardous Materials</i> , 2020, 390, 122161.	6.5	41
26	Influence of boron substitution on the crystallisation behaviour of tetracalcium phosphate phase in the 4.5SiO <sub>2</sub> -3Al <sub>2</sub> O <sub>3</sub> -1.5P <sub>2</sub> O <sub>5</sub> -5CaO glass system. <i>Journal of the European Ceramic Society</i> , 2019, 39, 5068-5076.	2.8	4
27	Carbonation of steel slag and gypsum for building materials and associated reaction mechanisms. <i>Cement and Concrete Research</i> , 2019, 125, 105893.	4.6	122
28	Hydration mechanism and orthogonal optimisation of mix proportion for steel slag slag-based clinker-free prefabricated concrete. <i>Construction and Building Materials</i> , 2019, 228, 117036.	3.2	47
29	Corrosion evaluation of steel slag based on a leaching solution test. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 790-801.	1.2	11
30	Immobilisation of high-arsenic-containing tailings by using metallurgical slag-cementing materials. <i>Chemosphere</i> , 2019, 223, 117-123.	4.2	68
31	The effect of boron substitution for aluminium on the microstructure of calcium fluoro-aluminosilicate glasses and glass-ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1918-1924.	2.8	7
32	Reproduction in woody perennial Citrus: an update on nucellar embryony and self-incompatibility. <i>Plant Reproduction</i> , 2018, 31, 43-57.	1.3	38
33	Aglycone Ebselen and Î <sup>2</sup> -Xyloside Primed Glycosaminoglycans Co-contribute to Ebselen Î <sup>2</sup> -Xyloside-Induced Cytotoxicity. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2937-2948.	2.9	22
34	Effect of zinc substitution for calcium on the crystallisation of calcium fluoro-alumino-silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 300-306.	1.5	8
35	Road extraction from high-spatial-resolution remotely sensed imagery by combining multi-profile analysis and extended Snakes model. <i>International Journal of Remote Sensing</i> , 2011, 32, 6349-6365.	1.3	7