Siqi Zhang

List of Publications by Year
in descending order

35 papers	726 citations	758635 12 h-index	552369 26 g-index
35 all docs	35 docs citations	35 times ranked	471 citing authors

#	Article	IF	Citations
1	Carbonation of steel slag and gypsum for building materials and associated reaction mechanisms. Cement and Concrete Research, 2019, 125, 105893.	4.6	122
2	Feasibility of using fly ashâ€“slag-based binder for mine backfilling and its associated leaching risks. Journal of Hazardous Materials, 2020, 400, 123191.	6.5	104
3	Immobilisation of high-arsenic-containing tailings by using metallurgical slag-cementing materials. Chemosphere, 2019, 223, 117-123.	4.2	68
4	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
5	Hydration mechanism and orthogonal optimisation of mix proportion for steel slagâ€“slag-based clinker-free prefabricated concrete. Construction and Building Materials, 2019, 228, 117036.	3.2	47
6	Influence of calcium hydroxide addition on arsenic leaching and solidification/stabilisation behaviour of metallurgical-slag-based green mining fill. Journal of Hazardous Materials, 2020, 390, 122161.	6.5	41
7	Reproduction in woody perennial Citrus: an update on nucellar embryony and self-incompatibility. Plant Reproduction, 2018, 31, 43-57.	1.3	38
8	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
9	Chromosome inheritance and meiotic stability in allopolyploidBrassica napus. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	27
10	Aglycone Ebselen and Î²-<scp>d</scp>-Xyloside Primed Glycosaminoglycans Co-contribute to Ebselen Î²-<scp>d</scp>-Xyloside-Induced Cytotoxicity. Journal of Medicinal Chemistry, 2018, 61, 2937-2948.	2.9	22
11	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
12	Study on Mineral Compositions of Direct Carbonated Steel Slag by QXRD, TG, FTIR, and XPS. Energies, 2021, 14, 4489.	1.6	15
13	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
14	Corrosion evaluation of steel slag based on a leaching solution test. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 790-801.	1.2	11
15	Ingestion of collagen hydrolysates alleviates skin chronological aging in an aged mouse model by increasing collagen synthesis. Food and Function, 2020, 11, 5573-5580.	2.1	11
16	Amphiphilic alginate-based fluorescent polymer nanoparticles: Fabrication and multifunctional applications. International Journal of Biological Macromolecules, 2021, 183, 2152-2161.	3.6	10
17	Effect of zinc substitution for calcium on the crystallisation of calcium fluoro-alumino-silicate glasses. Journal of Non-Crystalline Solids, 2016, 432, 300-306.	1.5	8
18	Tuning Supramolecular Polymersâ€™ Amphiphilicity via Hostâ€“Guest Interfacial Recognition for Stabilizing Multiple Pickering Emulsions. ACS Applied Materials & Interfaces, 2021, 13, 51661-51672.	4.0	8

#	Article	IF	Citations
19	Road extraction from high-spatial-resolution remotely sensed imagery by combining multi-profile analysis and extended Snakes model. International Journal of Remote Sensing, 2011, 32, 6349-6365.	1.3	7
20	The effect of boron substitution for aluminium on the microstructure of calcium fluoro-aluminosilicate glasses and glass-ceramics. Journal of the European Ceramic Society, 2019, 39, 1918-1924.	2.8	7
21	Use of CO2 to Cure Steel Slag and Gypsum-Based Material. Energies, 2021, 14, 5174.	1.6	7
22	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
23	Medical image fusion algorithm based on L0 gradient minimization for CT and MRI. Multimedia Tools and Applications, 2021, 80, 21135-21164.	2.6	6
24	Study on Solidification and Stabilization of Antimony-Containing Tailings with Metallurgical Slag-Based Binders. Materials, 2022, 15, 1780.	1.3	6
25	Attenuated alphaâ€“gamma coupling in emotional dual pathways with rightâ€Amygdala predicting ineffective antidepressant response. CNS Neuroscience and Therapeutics, 2022, 28, 401-410.	1.9	6
26	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
27	Enhancing the Charge Carrier Transfer of ZnFe₂O₄/C/TiO₂ Hollow Nanosphere Photocatalyst via Contact Interface Engineering. Industrial & Engineering Chemistry Research, 2021, 60, 12893-12900.	1.8	5
28	Enhancing Arsenic Solidification/Stabilisation Efficiency of Metallurgical Slag-Based Green Mining Fill and Its Structure Analysis. Metals, 2021, 11, 1389.	1.0	5
29	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
30	Influence of boron substitution on the crystallisation behaviour of tetracalcium phosphate phase in the 4.5SiO2-3Al2O3-1.5P2O5-5CaO glass system. Journal of the European Ceramic Society, 2019, 39, 5068-5076.	2.8	4
31	Optimal Mixture Designs for Heavy Metal Encapsulation in Municipal Solid Waste Incineration Fly Ash. Applied Sciences (Switzerland), 2020, 10, 6948.	1.3	3
32	Biodegradable cationic waterborne polyurethanes from poly(caprolactone)diol and trimethylol propane monooleate. Journal of Applied Polymer Science, 2022, 139, 51622.	1.3	3
33	Solidification/Stabilization of Arsenic-Containing Tailings by Steel Slag-Based Binders with High Efficiency and Low Carbon Footprint. Materials, 2021, 14, 5864.	1.3	2
34	Experimental Study and Mechanism Analysis of Preparation of Î±-Calcium Sulfate Hemihydrate from FGD Gypsum with Dynamic Method. Materials, 2022, 15, 3382.	1.3	2
35	Preparation and application of uniform TiO ₂ electrospun nanofiber based on pickering emulsion stabilized by TiO ₂ /amphiphilic sodium alginate/polyoxyethylene. Journal of Dispersion Science and Technology, 2023, 44, 2340-2351.	1.3	0