

# Na Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

881  
citations

840728

11  
h-index

752679

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalysis in alkali activated cementitious materials. <i>Journal of Building Engineering</i> , 2022, 46, 103749.	3.4	3
2	High-value utilisation of ceramic waste powder in PVC-based composite and basalt fibre reinforcement effect on its performance. <i>Ceramics International</i> , 2022, , .	4.8	2
3	C-A-S-H Gel and Pore Structure Characteristics of Alkali-Activated Red Mudâ€“Iron Tailings Cementitious Mortar. <i>Materials</i> , 2022, 15, 112.	2.9	14
4	Mortar Designed from Red Mud with Iron Tailings and Moulded by 3D Printing. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 95-100.	2.7	2
5	Reply to the comments by Venkata Siva Naga Sai Goli and Devendra Narain Singh of the paper â€œIncorporation of Xuan-paper waste residue in red mud/waste polyethylene compositesâ€. <i>Journal of Hazardous Materials</i> , 2021, 404, 124161.	12.4	0
6	Cementitious activity of iron ore tailing and its utilization in cementitious materials, bricks and concrete. <i>Construction and Building Materials</i> , 2021, 288, 123022.	7.2	93
7	New attempt to produce red mud-iron tailing based alkali-activated mortar: Performance and microstructural characteristics. <i>Journal of Building Engineering</i> , 2021, 43, 103222.	3.4	10
8	Effect of Electrolytic Manganese Residue in Fly Ash-Based Cementitious Material: Hydration Behavior and Microstructure. <i>Materials</i> , 2021, 14, 7047.	2.9	8
9	Electrospun polyphenylquinoxaline fibrous membrane: a versatile filtering medium for separation of highly alkaline aqueous red mud pollutant. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	4
10	Preparation and microstructural characterization of a novel 3D printable building material composed of copper tailings and iron tailings. <i>Construction and Building Materials</i> , 2020, 249, 118779.	7.2	44
11	Electrospun Polyphenylquinoxaline Ultrathin Non-woven Fibrous Membranes with Excellent Thermal and Alkaline Resistance: Preparation and Characterization. <i>Fibers and Polymers</i> , 2019, 20, 2485-2492.	2.1	4
12	Intermediate-calcium based cementitious materials prepared by MSWI fly ash and other solid wastes: hydration characteristics and heavy metals solidification behavior. <i>Journal of Hazardous Materials</i> , 2018, 349, 262-271.	12.4	147
13	Electron probe microanalysis for revealing occurrence mode of scandium in Bayer red mud. <i>Rare Metals</i> , 2017, 36, 295-303.	7.1	22
14	A quantitative study of chemical kinetics for the synthesis of doped oxide nanocrystals using FTIR. <i>Scientific Reports</i> , 2015, 4, 4353.	3.3	6
15	Utilization of red mud in cement production: a review. <i>Waste Management and Research</i> , 2011, 29, 1053-1063.	3.9	167
16	Preparation and Photocatalytic Property of TiO <sub>2</sub> Columnar Nanostructure Films. <i>Materials Transactions</i> , 2011, 52, 1939-1942.	1.2	15
17	Evaluation of blends bauxite-calcination-method red mud with other industrial wastes as a cementitious material: Properties and hydration characteristics. <i>Journal of Hazardous Materials</i> , 2011, 185, 329-335.	12.4	68
18	Pozzolanic behaviour of compound-activated red mud-coal gangue mixture. <i>Cement and Concrete Research</i> , 2011, 41, 270-278.	11.0	92

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19	Corrosion behavior of steel rebar in coal gangue-based mortars. Journal of Zhejiang University: Science A, 2010, 11, 382-388.	2.4	8
20	The effect of HfO <sub>2</sub> second phase in Fe films upon ion irradiation. Frontiers of Materials Science in China, 2010, 4, 193-196.	0.5	0
21	Early-age characteristics of red mud-coal gangue cementitious material. Journal of Hazardous Materials, 2009, 167, 927-932.	12.4	139
22	Correlation between <sup>29</sup> Si polymerization and cementitious activity of coal gangue. Journal of Zhejiang University: Science A, 2009, 10, 1334-1340.	2.4	33