Yingcan Zhu

List of Publications by Year
in descending order

21 papers	1,240 citations	567281 15 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	1030 citing authors

#	Article	IF	Citations
1	Quantitative kinetic and structural analysis of geopolymers. Part 1. The activation of metakaolin with sodium hydroxide. Thermochimica Acta, 2012, 539, 23-33.	2.7	330
2	Conversion of local industrial wastes into greener cement through geopolymer technology: A case study of high-magnesium nickel slag. Journal of Cleaner Production, 2017, 141, 463-471.	9.3	197
3	Using fly ash to partially substitute metakaolin in geopolymer synthesis. Applied Clay Science, 2014, 88-89, 194-201.	5.2	145
4	Durability of alkali-activated fly ash concrete: Chloride penetration in pastes and mortars. Construction and Building Materials, 2014, 65, 51-59.	7.2	99
5	Effect of drying procedures on pore structure and phase evolution of alkali-activated cements. Cement and Concrete Composites, 2019, 96, 194-203.	10.7	95
6	Effects of halloysite in kaolin on the formation and properties of geopolymers. Cement and Concrete Composites, 2012, 34, 709-715.	10.7	81
7	Valorization of calcined coal gangue as coarse aggregate in concrete. Cement and Concrete Composites, 2021, 121, 104057.	10.7	38
8	Enhancing the performance of basic magnesium sulfate cement-based coral aggregate concrete through gradient composite design technology. Composites Part B: Engineering, 2021, 227, 109382.	12.0	37
9	Reduction of hydraulic conductivity and loss of organic carbon in non-dispersive soils of different clay mineralogy is related to magnesium induced disaggregation. Geoderma, 2019, 349, 1-10.	5.1	27
10	Rapid Method for Assessment of Soil Structural Stability by Turbidimeter. Soil Science Society of America Journal, 2016, 80, 1629-1637.	2.2	26
11	Alkali leaching features of 3-year-old alkali activated fly ash-slag-silica fume: For a better understanding of stability. Composites Part B: Engineering, 2022, 230, 109469.	12.0	26
12	Re-examining the flocculating power of sodium, potassium, magnesium and calcium for a broad range of soils. Geoderma, 2019, 352, 422-428.	5.1	24
13	A gentle acid-wash and pre-coating treatment of coral aggregate to manufacture high-strength geopolymer concrete. Construction and Building Materials, 2021, 274, 121780.	7.2	24
14	Advances in immobilization of radionuclide wastes by alkali activated cement and related materials. Cement and Concrete Composites, 2022, 126, 104377.	10.7	21
15	An efficient approach for mitigation of efflorescence in fly ash-based geopolymer mortars under high-low humidity cycles. Construction and Building Materials, 2022, 317, 126159.	7.2	16
16	The impact of clay dispersion and migration on soil hydraulic conductivity and pore networks. Geoderma, 2021, 404, 115297.	5.1	15
17	Effects of sodium adsorption ratio and electrolyte concentration on soil saturated hydraulic conductivity. Geoderma, 2022, 414, 115772.	5.1	12
18	Synthesis of alkali-activated uncalcined Pisha sandstone cement composites. Composites Part B: Engineering, 2021, 225, 109311.	12.0	11

#	Article	IF	Citations
19	Optimization of mix proportion of basic magnesium sulfate cement-based high-strength coral concrete. Construction and Building Materials, 2022, 341, 127709.	7.2	9
20	Ionicity of Clayâ€“Cation Bonds in Relation to Dispersive Behavior of Mg and K Soil Clays as Influenced by pH. Clays and Clay Minerals, 2020, 68, 588-600.	1.3	4
21	Prediction of mechanical solutions for a laminated LCEs system fusing an analytical model and neural networks. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104918.	3.1	3