

Yingcan Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Prediction of mechanical solutions for a laminated LCEs system fusing an analytical model and neural networks. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 125, 104918. | 3.1 | 3 |
| 2 | Alkali leaching features of 3-year-old alkali activated fly ash-slag-silica fume: For a better understanding of stability. <i>Composites Part B: Engineering</i> , 2022, 230, 109469. | 12.0 | 26 |
| 3 | An efficient approach for mitigation of efflorescence in fly ash-based geopolymer mortars under high-low humidity cycles. <i>Construction and Building Materials</i> , 2022, 317, 126159. | 7.2 | 16 |
| 4 | Advances in immobilization of radionuclide wastes by alkali activated cement and related materials. <i>Cement and Concrete Composites</i> , 2022, 126, 104377. | 10.7 | 21 |
| 5 | Effects of sodium adsorption ratio and electrolyte concentration on soil saturated hydraulic conductivity. <i>Geoderma</i> , 2022, 414, 115772. | 5.1 | 12 |
| 6 | Optimization of mix proportion of basic magnesium sulfate cement-based high-strength coral concrete. <i>Construction and Building Materials</i> , 2022, 341, 127709. | 7.2 | 9 |
| 7 | A gentle acid-wash and pre-coating treatment of coral aggregate to manufacture high-strength geopolymer concrete. <i>Construction and Building Materials</i> , 2021, 274, 121780. | 7.2 | 24 |
| 8 | Valorization of calcined coal gangue as coarse aggregate in concrete. <i>Cement and Concrete Composites</i> , 2021, 121, 104057. | 10.7 | 38 |
| 9 | Synthesis of alkali-activated uncalcined Pisha sandstone cement composites. <i>Composites Part B: Engineering</i> , 2021, 225, 109311. | 12.0 | 11 |
| 10 | The impact of clay dispersion and migration on soil hydraulic conductivity and pore networks. <i>Geoderma</i> , 2021, 404, 115297. | 5.1 | 15 |
| 11 | Enhancing the performance of basic magnesium sulfate cement-based coral aggregate concrete through gradient composite design technology. <i>Composites Part B: Engineering</i> , 2021, 227, 109382. | 12.0 | 37 |
| 12 | Ionicity of Clayâ€“Cation Bonds in Relation to Dispersive Behavior of Mg and K Soil Clays as Influenced by pH. <i>Clays and Clay Minerals</i> , 2020, 68, 588-600. | 1.3 | 4 |
| 13 | Re-examining the flocculating power of sodium, potassium, magnesium and calcium for a broad range of soils. <i>Geoderma</i> , 2019, 352, 422-428. | 5.1 | 24 |
| 14 | Reduction of hydraulic conductivity and loss of organic carbon in non-dispersive soils of different clay mineralogy is related to magnesium induced disaggregation. <i>Geoderma</i> , 2019, 349, 1-10. | 5.1 | 27 |
| 15 | Effect of drying procedures on pore structure and phase evolution of alkali-activated cements. <i>Cement and Concrete Composites</i> , 2019, 96, 194-203. | 10.7 | 95 |
| 16 | Conversion of local industrial wastes into greener cement through geopolymer technology: A case study of high-magnesium nickel slag. <i>Journal of Cleaner Production</i> , 2017, 141, 463-471. | 9.3 | 197 |
| 17 | Rapid Method for Assessment of Soil Structural Stability by Turbidimeter. <i>Soil Science Society of America Journal</i> , 2016, 80, 1629-1637. | 2.2 | 26 |
| 18 | Using fly ash to partially substitute metakaolin in geopolymer synthesis. <i>Applied Clay Science</i> , 2014, 88-89, 194-201. | 5.2 | 145 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Durability of alkali-activated fly ash concrete: Chloride penetration in pastes and mortars. <i>Construction and Building Materials</i> , 2014, 65, 51-59. | 7.2 | 99 |
| 20 | Effects of halloysite in kaolin on the formation and properties of geopolymers. <i>Cement and Concrete Composites</i> , 2012, 34, 709-715. | 10.7 | 81 |
| 21 | Quantitative kinetic and structural analysis of geopolymers. Part 1. The activation of metakaolin with sodium hydroxide. <i>Thermochimica Acta</i> , 2012, 539, 23-33. | 2.7 | 330 |