

Jinyan Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5573965/publications.pdf>

Version: 2024-02-01

37
papers

1,250
citations

377584

21
h-index

406436

35
g-index

37
all docs

37
docs citations

37
times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical and fractural characteristics of structural lightweight fiber reinforced concrete. <i>Structural Concrete</i> , 2023, 24, 2420-2439.	1.5	9
2	Factors influencing the demulsification time of asphalt emulsion in fresh cement emulsified asphalt composite binder. <i>Road Materials and Pavement Design</i> , 2022, 23, 477-490.	2.0	16
3	Rheology control of self-consolidating cement-tailings grout for the feasible use in coal gangue-filled backfill. <i>Construction and Building Materials</i> , 2022, 316, 125836.	3.2	41
4	Evaluation of high-volume fly ash (HVFA) concrete modified by metakaolin: Technical, economic and environmental analysis. <i>Powder Technology</i> , 2022, 397, 117121.	2.1	23
5	Multi-scale characteristics of magnesium potassium phosphate cement modified by metakaolin. <i>Ceramics International</i> , 2022, 48, 12467-12475.	2.3	39
6	The roles of cenosphere in ultra-lightweight foamed geopolymer concrete (UFCC). <i>Ceramics International</i> , 2022, 48, 12884-12896.	2.3	43
7	Strength, microstructure and nanomechanical properties of recycled aggregate concrete containing waste glass powder and steel slag powder. <i>Journal of Cleaner Production</i> , 2022, 341, 130892.	4.6	46
8	Physico-mechanical, thermal properties and durability of foamed geopolymer concrete containing cenospheres. <i>Construction and Building Materials</i> , 2022, 325, 126841.	3.2	36
9	Utilization of desert sand in the production of sustainable cement-based materials: A critical review. <i>Construction and Building Materials</i> , 2022, 327, 127014.	3.2	30
10	Improvement mechanism of water resistance and volume stability of magnesium oxychloride cement: A comparison study on the influences of various gypsum. <i>Science of the Total Environment</i> , 2022, 829, 154546.	3.9	38
11	Synergistic effect of glycine and triethanolamine on mechanical properties and permeability of cement mortar. <i>Journal of Building Engineering</i> , 2022, 51, 104283.	1.6	4
12	Recycling of water treatment sludge into magnesium potassium phosphate cement component by a combination of silica fume. <i>Journal of Building Engineering</i> , 2022, 51, 104308.	1.6	1
13	Influence of Different Types of Wastes on Mechanical and Durability Properties of Interlocking Concrete Block Paving (ICBP): A Review. <i>Sustainability</i> , 2022, 14, 3733.	1.6	5
14	Influencing mechanism of silica fume on early-age properties of magnesium phosphate cement-based coating for hydraulic structure. <i>Journal of Building Engineering</i> , 2022, 54, 104623.	1.6	7
15	Viscosity enhancement of self-consolidating cement-tailings grout by biomass fly ash vs. chemical admixtures. <i>Construction and Building Materials</i> , 2022, 340, 127802.	3.2	8
16	Recycling air-cooled blast furnace slag in fiber reinforced alkali-activated mortar. <i>Powder Technology</i> , 2022, 407, 117686.	2.1	36
17	Experimental study on full-volume slag alkali-activated mortars: Air-cooled blast furnace slag versus machine-made sand as fine aggregates. <i>Journal of Hazardous Materials</i> , 2021, 403, 123983.	6.5	100
18	A green ultra-lightweight chemically foamed concrete for building exterior: A feasibility study. <i>Journal of Cleaner Production</i> , 2021, 288, 125085.	4.6	94

#	ARTICLE	IF	CITATIONS
19	New perspectives on utilization of CO_2 sequestration technologies in cement-based materials. Construction and Building Materials, 2021, 272, 121660.	3.2	100
20	Recycling hazardous water treatment sludge in cement-based construction materials: Mechanical properties, drying shrinkage, and nano-scale characteristics. Journal of Cleaner Production, 2021, 290, 125832.	4.6	39
21	Effect of steam curing regimes on temperature and humidity gradient, permeability and microstructure of concrete. Construction and Building Materials, 2021, 281, 122562.	3.2	30
22	Properties enhancement of recycled coarse aggregates by pre-coating/pre-soaking with zeolite powder/calcium hydroxide. Construction and Building Materials, 2021, 286, 122888.	3.2	16
23	Method for calculating dynamic yield stress of fresh cement pastes using a coaxial cylinder system. Journal of the American Ceramic Society, 2021, 104, 5557-5570.	1.9	6
24	Thermal and mechanical properties of thermal energy storage lightweight aggregate mortar incorporated with phase change material. Journal of Energy Storage, 2020, 32, 101719.	3.9	17
25	Evolution of mechanical properties and permeability of concrete during steam curing process. Journal of Building Engineering, 2020, 32, 101796.	1.6	18
26	Experimental Studies and Microstructure Analysis for Rapid-Hardening Cement Emulsified Asphalt Mortar. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	11
27	Synergistic enhancement of mechanical property of the high replacement low-calcium ultrafine fly ash blended cement paste by multiple chemical activators. Journal of Building Engineering, 2020, 32, 101520.	1.6	15
28	Heat damage of concrete surfaces under steam curing and improvement measures. Construction and Building Materials, 2020, 252, 119104.	3.2	65
29	Effect of curing regime on long-term mechanical strength and transport properties of steam-cured concrete. Construction and Building Materials, 2020, 255, 119407.	3.2	62
30	Preparation and characterization of lightweight aggregate foamed geopolymer concretes aerated using hydrogen peroxide. Construction and Building Materials, 2020, 256, 119442.	3.2	79
31	Mechanical and permeability properties of polymer-modified concrete using hydrophobic agent. Journal of Building Engineering, 2020, 31, 101337.	1.6	33
32	Experimental study of performance of repair mortar: Evaluation of in-situ tests and correlation analysis. Journal of Building Engineering, 2020, 31, 101325.	1.6	18
33	Properties evolution of high-early-strength cement paste and interfacial transition zone during steam curing process. Construction and Building Materials, 2020, 252, 119095.	3.2	35
34	Effects of steam curing regimes on the capillary water absorption of concrete: Prediction using multivariable regression models. Construction and Building Materials, 2020, 256, 119426.	3.2	46
35	Effects of curing methods of concrete after steam curing on mechanical strength and permeability. Construction and Building Materials, 2020, 256, 119441.	3.2	44
36	Effect of steam curing on surface permeability of concrete: Multiple transmission media. Journal of Building Engineering, 2020, 32, 101475.	1.6	22

#	ARTICLE	IF	CITATIONS
37	Temperature Effect on the Thermal Conductivity of Expanded Polystyrene Foamed Concrete: Experimental Investigation and Model Correction. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-9.	1.0	18