Liu Baoju

List of Publications by Year
in descending order

38 papers	1,563 citations	304743 22 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	732 citing authors

#	Article	IF	Citations
1	Factors influencing the demulsification time of asphalt emulsion in fresh cement emulsified asphalt composite binder. Road Materials and Pavement Design, 2022, 23, 477-490.	4.0	16
2	Utilization of desert sand in the production of sustainable cement-based materials: A critical review. Construction and Building Materials, 2022, 327, 127014.	7.2	30
3	Synergistic effect of glycine and triethanolamine on mechanical properties and permeability of cement mortar. Journal of Building Engineering, 2022, 51, 104283.	3.4	4
4	Recycling air-cooled blast furnace slag in fiber reinforced alkali-activated mortar. Powder Technology, 2022, 407, 117686.	4.2	36
5	Experimental study on full-volume slag alkali-activated mortars: Air-cooled blast furnace slag versus machine-made sand as fine aggregates. Journal of Hazardous Materials, 2021, 403, 123983.	12.4	100
6	A green ultra-lightweight chemically foamed concrete for building exterior: A feasibility study. Journal of Cleaner Production, 2021, 288, 125085.	9.3	94
7	New perspectives on utilization of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mrow><mml:msub><mml:mtext>CO</mml:mtext><mml:mtext>2</mml:mtext></mml:msub></mml:mrow><m sequestration technologies in cement-based materials. Construction and Building Materials, 2021, 272, 121660.	7.2	100
8	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.	9.3	39
9	Effect of steam curing regimes on temperature and humidity gradient, permeability and microstructure of concrete. Construction and Building Materials, 2021, 281, 122562.	7.2	30
10	Autogenous shrinkage and nano-mechanical properties of UHPC containing waste brick powder derived from construction and demolition waste. Construction and Building Materials, 2021, 306, 124869.	7.2	49
11	Thermal and mechanical properties of thermal energy storage lightweight aggregate mortar incorporated with phase change material. Journal of Energy Storage, 2020, 32, 101719.	8.1	17
12	Hydration and microstructure of concrete containing high volume lithium slag. Materials Express, 2020, 10, 430-436.	0.5	9
13	Evolution of mechanical properties and permeability of concrete during steam curing process. Journal of Building Engineering, 2020, 32, 101796.	3.4	18
14	Experimental Studies and Microstructure Analysis for Rapid-Hardening Cement Emulsified Asphalt Mortar. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	3.8	11
15	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.	3.4	15
16	Heat damage of concrete surfaces under steam curing and improvement measures. Construction and Building Materials, 2020, 252, 119104.	7.2	65
17	Effect of curing regime on long-term mechanical strength and transport properties of steam-cured concrete. Construction and Building Materials, 2020, 255, 119407.	7.2	62
18	Preparation and characterization of lightweight aggregate foamed geopolymer concretes aerated using hydrogen peroxide. Construction and Building Materials, 2020, 256, 119442.	7.2	79

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19	Mechanical and permeability properties of polymer-modified concrete using hydrophobic agent. Journal of Building Engineering, 2020, 31, 101337.	3.4	33
20	Experimental study of performance of repair mortar: Evaluation of in-situ tests and correlation analysis. Journal of Building Engineering, 2020, 31, 101325.	3.4	18
21	Properties evolution of high-early-strength cement paste and interfacial transition zone during steam curing process. Construction and Building Materials, 2020, 252, 119095.	7.2	35
22	Effects of steam curing regimes on the capillary water absorption of concrete: Prediction using multivariable regression models. Construction and Building Materials, 2020, 256, 119426.	7.2	46
23	Effects of curing methods of concrete after steam curing on mechanical strength and permeability. Construction and Building Materials, 2020, 256, 119441.	7.2	44
24	Effect of steam curing on surface permeability of concrete: Multiple transmission media. Journal of Building Engineering, 2020, 32, 101475.	3.4	22
25	Temperature Effect on the Thermal Conductivity of Expanded Polystyrene Foamed Concrete: Experimental Investigation and Model Correction. Advances in Materials Science and Engineering, 2019, 2019, 1-9.	1.8	18
26	Influence of Silane-based Impregnation Agent on the Permeability of Concretes. KSCE Journal of Civil Engineering, 2019, 23, 3443-3450.	1.9	19
27	A Multilevel Visual Feature-Based Approach for Measuring the Spatial Information in Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4110-4122.	4.9	1
28	Effect of curing conditions on the permeability of concrete with high volume mineral admixtures. Construction and Building Materials, 2018, 167, 359-371.	7.2	79
29	Effect of mass ratio of asphalt to cement on the properties of cement modified asphalt emulsion mortar. Construction and Building Materials, 2017, 134, 39-43.	7.2	38
30	Image analysis for detection of bugholes on concrete surface. Construction and Building Materials, 2017, 137, 432-440.	7.2	55
31	Influence of storage conditions on the stability of asphalt emulsion. Petroleum Science and Technology, 2017, 35, 1217-1223.	1.5	9
32	Factors influencing bugholes on concrete surface analyzed by image processing technology. Construction and Building Materials, 2017, 153, 897-907.	7.2	16
33	Influence of SBS and SBR on the properties of emulsified asphalt. Petroleum Science and Technology, 2017, 35, 1008-1013.	1.5	6
34	High Performance Steam-Cured Concrete for Railway Precast Elements. , 2009, , .		0
35	Influence of steam curing on the compressive strength of concrete containing supplementary cementing materials. Cement and Concrete Research, 2005, 35, 994-998.	11.0	112
36	Optimum mix parameters of high-strength self-compacting concrete with ultrapulverized fly ash. Cement and Concrete Research, 2002, 32, 477-480.	11.0	107

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37	Some factors affecting early compressive strength of steam-curing concrete with ultrafine fly ash. Cement and Concrete Research, 2001, 31, 1455-1458.	11.0	71
38	Influence of ultrafine fly ash composite on the fluidity and compressive strength of concrete. Cement and Concrete Research, 2000, 30, 1489-1493.	11.0	60