

# Liu Baoju

## List of Publications by Citations

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36  
papers

817  
citations

17  
h-index

28  
g-index

38  
ext. papers

1,162  
ext. citations

6.1  
avg, IF

5  
L-index

#	Paper	IF	Citations
36	Optimum mix parameters of high-strength self-compacting concrete with ultrapulverized fly ash. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 477-480	10.3	89
35	Influence of steam curing on the compressive strength of concrete containing supplementary cementing materials. <i>Cement and Concrete Research</i> , <b>2005</b> , 35, 994-998	10.3	86
34	Some factors affecting early compressive strength of steam-curing concrete with ultrafine fly ash. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 1455-1458	10.3	56
33	Effect of curing conditions on the permeability of concrete with high volume mineral admixtures. <i>Construction and Building Materials</i> , <b>2018</b> , 167, 359-371	6.7	53
32	Influence of ultrafine fly ash composite on the fluidity and compressive strength of concrete. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 1489-1493	10.3	44
31	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> , <b>2021</b> , 403, 123983	12.8	42
30	Image analysis for detection of bugholes on concrete surface. <i>Construction and Building Materials</i> , <b>2017</b> , 137, 432-440	6.7	39
29	Heat damage of concrete surfaces under steam curing and improvement measures. <i>Construction and Building Materials</i> , <b>2020</b> , 252, 119104	6.7	36
28	A green ultra-lightweight chemically foamed concrete for building exterior: A feasibility study. <i>Journal of Cleaner Production</i> , <b>2021</b> , 288, 125085	10.3	36
27	Preparation and characterization of lightweight aggregate foamed geopolymer concretes aerated using hydrogen peroxide. <i>Construction and Building Materials</i> , <b>2020</b> , 256, 119442	6.7	34
26	New perspectives on utilization of CO <sub>2</sub> sequestration technologies in cement-based materials. <i>Construction and Building Materials</i> , <b>2021</b> , 272, 121660	6.7	33
25	Effect of curing regime on long-term mechanical strength and transport properties of steam-cured concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 255, 119407	6.7	31
24	Effect of mass ratio of asphalt to cement on the properties of cement modified asphalt emulsion mortar. <i>Construction and Building Materials</i> , <b>2017</b> , 134, 39-43	6.7	26
23	Mechanical and permeability properties of polymer-modified concrete using hydrophobic agent. <i>Journal of Building Engineering</i> , <b>2020</b> , 31, 101337	5.2	22
22	Effects of steam curing regimes on the capillary water absorption of concrete: Prediction using multivariable regression models. <i>Construction and Building Materials</i> , <b>2020</b> , 256, 119426	6.7	22
21	Properties evolution of high-early-strength cement paste and interfacial transition zone during steam curing process. <i>Construction and Building Materials</i> , <b>2020</b> , 252, 119095	6.7	21
20	Effects of curing methods of concrete after steam curing on mechanical strength and permeability. <i>Construction and Building Materials</i> , <b>2020</b> , 256, 119441	6.7	17

19	Recycling hazardous water treatment sludge in cement-based construction materials: Mechanical properties, drying shrinkage, and nano-scale characteristics. <i>Journal of Cleaner Production</i> , <b>2021</b> , 290, 125832	10.3	17
18	Effect of steam curing on surface permeability of concrete: Multiple transmission media. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101475	5.2	15
17	Experimental study of performance of repair mortar: Evaluation of in-situ tests and correlation analysis. <i>Journal of Building Engineering</i> , <b>2020</b> , 31, 101325	5.2	14
16	Factors influencing bugholes on concrete surface analyzed by image processing technology. <i>Construction and Building Materials</i> , <b>2017</b> , 153, 897-907	6.7	14
15	Influence of Silane-based Impregnation Agent on the Permeability of Concretes. <i>KSCE Journal of Civil Engineering</i> , <b>2019</b> , 23, 3443-3450	1.9	11
14	Evolution of mechanical properties and permeability of concrete during steam curing process. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101796	5.2	9
13	Temperature Effect on the Thermal Conductivity of Expanded Polystyrene Foamed Concrete: Experimental Investigation and Model Correction. <i>Advances in Materials Science and Engineering</i> , <b>2019</b> , 2019, 1-9	1.5	8
12	Synergistic enhancement of mechanical property of the high replacement low-calcium ultrafine fly ash blended cement paste by multiple chemical activators. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101520	5.2	7
11	Effect of steam curing regimes on temperature and humidity gradient, permeability and microstructure of concrete. <i>Construction and Building Materials</i> , <b>2021</b> , 281, 122562	6.7	7
10	Autogenous shrinkage and nano-mechanical properties of UHPC containing waste brick powder derived from construction and demolition waste. <i>Construction and Building Materials</i> , <b>2021</b> , 306, 124869	6.7	7
9	Influence of storage conditions on the stability of asphalt emulsion. <i>Petroleum Science and Technology</i> , <b>2017</b> , 35, 1217-1223	1.4	5
8	Thermal and mechanical properties of thermal energy storage lightweight aggregate mortar incorporated with phase change material. <i>Journal of Energy Storage</i> , <b>2020</b> , 32, 101719	7.8	4
7	Experimental Studies and Microstructure Analysis for Rapid-Hardening Cement Emulsified Asphalt Mortar. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2020</b> , 146, 04020130	4.2	3
6	Influence of SBS and SBR on the properties of emulsified asphalt. <i>Petroleum Science and Technology</i> , <b>2017</b> , 35, 1008-1013	1.4	2
5	Hydration and microstructure of concrete containing high volume lithium slag. <i>Materials Express</i> , <b>2020</b> , 10, 430-436	1.3	2
4	Utilization of desert sand in the production of sustainable cement-based materials: A critical review. <i>Construction and Building Materials</i> , <b>2022</b> , 327, 127014	6.7	2
3	Factors influencing the demulsification time of asphalt emulsion in fresh cement emulsified asphalt composite binder. <i>Road Materials and Pavement Design</i> , <b>2020</b> , 1-14	2.6	1
2	A Multilevel Visual Feature-Based Approach for Measuring the Spatial Information in Remote Sensing Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2019</b> , 12, 4110-4122	4.7	0

- 1 Synergistic effect of glycine and triethanolamine on mechanical properties and permeability of cement mortar. *Journal of Building Engineering*, **2022**, 51, 104283

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