

Hong-fu Liu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

389
citations

840776

11
h-index

752698

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docs citations

23
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and thermal properties of encapsulated ceramsite-supported phase change materials used in asphalt pavements. <i>Construction and Building Materials</i> , 2018, 190, 235-245.	7.2	68
2	Preparation and thermal properties of mineral-supported polyethylene glycol as form-stable composite phase change materials (CPCMs) used in asphalt pavements. <i>Scientific Reports</i> , 2017, 7, 16998.	3.3	63
3	Strength and fatigue performance for cement-treated aggregate base materials. <i>International Journal of Pavement Engineering</i> , 2021, 22, 690-699.	4.4	39
4	Standardization to evaluate the lasting capacity of rubberized asphalt mixtures with different testing approaches. <i>Construction and Building Materials</i> , 2021, 269, 121341.	7.2	29
5	Waste cathode-ray-tube glass powder modified asphalt materials: Preparation and characterization. <i>Journal of Cleaner Production</i> , 2021, 314, 127949.	9.3	28
6	Fatigue-creep damage interaction model of asphalt mixture under the semi-sine cycle loading. <i>Construction and Building Materials</i> , 2020, 251, 119070.	7.2	26
7	Laboratory investigation on performance and mechanism of polyphosphoric acid modified bio-asphalt. <i>Journal of Cleaner Production</i> , 2022, 333, 130104.	9.3	24
8	Strength Criterion of Asphalt Mixtures in Three-Dimensional Stress States under Freeze-Thaw Conditions. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1302.	2.5	17
9	Nonlinear Fatigue Damage Model of Asphalt Mixture Based on Dynamic Modulus and Residual Strength Decay. <i>Materials</i> , 2019, 12, 2236.	2.9	12
10	Standardization of Fatigue Characteristics of Cement-Treated Aggregate Base Materials under Different Stress States. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1500.	2.5	11
11	Shear Properties of Asphalt Mixtures under Triaxial Compression. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1489.	2.5	11
12	Stress path investigation of fatigue characteristics of cement stabilized macadam. <i>Construction and Building Materials</i> , 2021, 292, 123446.	7.2	11
13	Investigation on three-dimensional failure criterion of asphalt mixture considering the effect of stiffness. <i>Construction and Building Materials</i> , 2021, 285, 122431.	7.2	10
14	A structural design for semi-rigid base asphalt pavement based on modulus optimization. <i>Construction and Building Materials</i> , 2021, 302, 124216.	7.2	9
15	Effect of Coarse Aggregate Characteristics on Skid Resistance Deterioration of the Ultrathin Wearing Course. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	7
16	Characteristics and analysis of dynamic strain response on typical asphalt pavement using Fiber Bragg Grating sensing technology. <i>Construction and Building Materials</i> , 2021, 310, 125242.	7.2	7
17	Fatigue resistance design of rubberized asphalt mixture pavement under three-dimensional stress state. <i>Construction and Building Materials</i> , 2021, 307, 125138.	7.2	5
18	Analysis on Three-Dimensional Strength Influencing Factors and Control Measures of Asphalt Mixtures. <i>Materials</i> , 2020, 13, 2541.	2.9	4

#	ARTICLE	IF	CITATIONS
19	Experiment of Tension-compression Fatigue and Damage for Asphalt Mixtures. Journal of Highway and Transportation Research and Development (English Edition), 2013, 7, 15-21.	0.1	2
20	Unified Strength Models of an Asphalt Mixture under Different Temperatures and Three-Dimensional Stresses. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	2
21	Influence of the Skid Resistance of Ultrathin Wearing Course with Various Types of Asphalt Binders. Advances in Materials Science and Engineering, 2020, 2020, 1-12.	1.8	2
22	Surface functionalization of carbon nanotubes by biological adhesive polymers carbopol for developing high- ϵ permittivity polymer composites. Journal of Vinyl and Additive Technology, 2020, 26, 165-172.	3.4	1
23	Three-Dimensional Failure Criterion of Asphalt Mixtures in Asphalt Pavement. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	1