

Xiaoping Ji

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

473
citations

759233

12
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of asphalt mixture shear strength to evaluate pavement rutting with accelerated loading facility (ALF). <i>Construction and Building Materials</i> , 2013, 41, 1-8.	7.2	55
2	Laboratory investigations of activated recycled concrete aggregate for asphalt treated base. <i>Construction and Building Materials</i> , 2014, 65, 535-542.	7.2	48
3	Application of the discrete element method and CT scanning to investigate the compaction characteristics of the soil-rock mixture in the subgrade. <i>Road Materials and Pavement Design</i> , 2022, 23, 397-413.	4.0	40
4	Study on the multiscale adhesive properties between asphalt and aggregate. <i>Construction and Building Materials</i> , 2020, 249, 118693.	7.2	37
5	Evaluation of the mechanical behaviors of cement-stabilized cold recycled mixtures produced by vertical vibration compaction method. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2257-2270.	3.1	36
6	Development of a rutting prediction model for asphalt pavements with the use of an accelerated loading facility. <i>Road Materials and Pavement Design</i> , 2016, 17, 15-31.	4.0	36
7	Mechanical properties and strength criteria of cement-stabilised recycled concrete aggregate. <i>International Journal of Pavement Engineering</i> , 2019, 20, 339-348.	4.4	34
8	Performance of cement-stabilised crushed brick aggregates in asphalt pavement base and subbase applications. <i>Road Materials and Pavement Design</i> , 2016, 17, 120-135.	4.0	33
9	Adhesion between Asphalt and Recycled Concrete Aggregate and Its Impact on the Properties of Asphalt Mixture. <i>Materials</i> , 2018, 11, 2528.	2.9	28
10	Mechanical-strength-growth law and predictive model for cement-stabilized macadam. <i>Construction and Building Materials</i> , 2019, 215, 582-594.	7.2	26
11	Comparison on properties of cement-stabilised gravel prepared by different laboratory compaction methods. <i>Road Materials and Pavement Design</i> , 2019, 20, 991-1003.	4.0	25
12	Fabrication and performance of a self-powered damage-detection aggregate for asphalt pavement. <i>Materials and Design</i> , 2019, 179, 107890.	7.0	17
13	Application of Atomic Force Microscope to Investigate the Surface Micro-Adhesion Properties of Asphalt. <i>Materials</i> , 2020, 13, 1736.	2.9	12
14	Characterization of surface mechanical properties of various aggregates from micro scale using AFM. <i>Construction and Building Materials</i> , 2021, 286, 122847.	7.2	8
15	Preparation and evaluation of self-healing microcapsules for asphalt based on response surface optimization. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51430.	2.6	8
16	Characterization of Properties of Soil-Rock Mixture Prepared by the Laboratory Vibration Compaction Method. <i>Sustainability</i> , 2021, 13, 11239.	3.2	8
17	Detecting concealed damage in asphalt pavement based on a composite lead zirconate titanate/polyvinylidene fluoride aggregate. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2452.	4.0	7
18	Development of Water Retentive and Thermal Resistant Cement Concrete and Cooling Effects Evaluation. <i>Materials</i> , 2021, 14, 6141.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Investigation of Surface Micro-Mechanical Properties of Various Asphalt Binders Using AFM. <i>Materials</i> , 2022, 15, 4358.	2.9	5
20	A Prediction Method for the California Bearing Ratio of Soil-Rock Mixture Based on the Discrete Element Method and CT Scanning. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-12.	0.7	4
21	Preparation and Properties of an Active Cooling Antirutting Asphalt Mixture. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-11.	1.8	0