Xiaoping Ji

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9015925/publications.pdf

Version: 2024-02-01

21	473	759233 12	752698 20
papers	citations	h-index	g-index

21	21	21	349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of the discrete element method and CT scanning to investigate the compaction characteristics of the soilâ€“rock mixture in the subgrade. Road Materials and Pavement Design, 2022, 23, 397-413.	4.0	40
2	Preparation and evaluation of selfâ€healing microcapsules for asphalt based on response surface optimization. Journal of Applied Polymer Science, 2022, 139, 51430.	2.6	8
3	Investigation of Surface Micro-Mechanical Properties of Various Asphalt Binders Using AFM. Materials, 2022, 15, 4358.	2.9	5
4	Characterization of surface mechanical properties of various aggregates from micro scale using AFM. Construction and Building Materials, 2021, 286, 122847.	7.2	8
5	Characterization of Properties of Soilâ€“Rock Mixture Prepared by the Laboratory Vibration Compaction Method. Sustainability, 2021, 13, 11239.	3.2	8
6	Development of Water Retentive and Thermal Resistant Cement Concrete and Cooling Effects Evaluation. Materials, 2021, 14, 6141.	2.9	6
7	A Prediction Method for the California Bearing Ratio of Soil-Rock Mixture Based on the Discrete Element Method and CT Scanning. Advances in Civil Engineering, 2020, 2020, 1-12.	0.7	4
8	Preparation and Properties of an Active Cooling Antirutting Asphalt Mixture. Advances in Materials Science and Engineering, 2020, 2020, 1-11.	1.8	0
9	Study on the multiscale adhesive properties between asphalt and aggregate. Construction and Building Materials, 2020, 249, 118693.	7.2	37
10	Application of Atomic Force Microscope to Investigate the Surface Micro-Adhesion Properties of Asphalt. Materials, 2020, 13, 1736.	2.9	12
11	Detecting concealed damage in asphalt pavement based on a composite lead zirconate titanate/polyvinylidene fluoride aggregate. Structural Control and Health Monitoring, 2019, 26, e2452.	4.0	7
12	Fabrication and performance of a self-powered damage-detection aggregate for asphalt pavement. Materials and Design, 2019, 179, 107890.	7.0	17
13	Mechanical-strength-growth law and predictive model for cement-stabilized macadam. Construction and Building Materials, 2019, 215, 582-594.	7.2	26
14	Comparison on properties of cement-stabilised gravel prepared by different laboratory compaction methods. Road Materials and Pavement Design, 2019, 20, 991-1003.	4.0	25
15	Mechanical properties and strength criteria of cement-stabilised recycled concrete aggregate. International Journal of Pavement Engineering, 2019, 20, 339-348.	4.4	34
16	Adhesion between Asphalt and Recycled Concrete Aggregate and Its Impact on the Properties of Asphalt Mixture. Materials, 2018, 11, 2528.	2.9	28
17	Evaluation of the mechanical behaviors of cement-stabilized cold recycled mixtures produced by vertical vibration compaction method. Materials and Structures/Materiaux Et Constructions, 2016, 49, 2257-2270.	3.1	36
18	Performance of cement-stabilised crushed brick aggregates in asphalt pavement base and subbase applications. Road Materials and Pavement Design, 2016, 17, 120-135.	4.0	33

#	ARTICLE	IF	CITATIONS
19	Development of a rutting prediction model for asphalt pavements with the use of an accelerated loading facility. Road Materials and Pavement Design, 2016, 17, 15-31.	4.0	36
20	Laboratory investigations of activated recycled concrete aggregate for asphalt treated base. Construction and Building Materials, 2014, 65, 535-542.	7.2	48
21	Application of asphalt mixture shear strength to evaluate pavement rutting with accelerated loading facility (ALF). Construction and Building Materials, 2013, 41, 1-8.	7.2	55