

Chonghui Wang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

292
citations

1039406

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940134

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17
all docs

17
docs citations

17
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterising the asphalt concrete fracture performance from X-ray CT Imaging and finite element modelling. <i>International Journal of Pavement Engineering</i> , 2018, 19, 307-318.	2.2	51
2	Investigation of lignin as an alternative extender of bitumen for asphalt pavements. <i>Journal of Cleaner Production</i> , 2021, 283, 124663.	4.6	50
3	Comparison of mechanical responses of asphalt mixtures manufactured by different compaction methods. <i>Construction and Building Materials</i> , 2018, 162, 765-780.	3.2	36
4	Correlate aggregate angularity characteristics to the skid resistance of asphalt pavement based on image analysis technology. <i>Construction and Building Materials</i> , 2020, 242, 118150.	3.2	28
5	Laboratory evaluation of emulsified asphalt reinforced with glass fiber treated with different methods. <i>Journal of Cleaner Production</i> , 2020, 274, 123116.	4.6	27
6	Investigation on the morphological and mineralogical properties of coarse aggregates under VSI crushing operation. <i>International Journal of Pavement Engineering</i> , 2021, 22, 1611-1624.	2.2	21
7	Investigation on asphalt-screed interaction during pre-compaction: Improving paving effect via numerical simulation. <i>Construction and Building Materials</i> , 2021, 289, 123164.	3.2	14
8	Evaluation of Polishing Behavior of Fine Aggregates Using an Accelerated Polishing Machine with Real Tires. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2019, 145, 04019015.	0.8	11
9	Investigation on the Cooling and Evaporation Behavior of Semi-Flexible Water Retaining Pavement based on Laboratory Test and Thermal-Mass Coupling Analysis. <i>Materials</i> , 2019, 12, 2546.	1.3	9
10	Development of an FEM-DEM Model to Investigate Preliminary Compaction of Asphalt Pavements. <i>Buildings</i> , 2022, 12, 932.	1.4	9
11	Investigation of bitumen rheological properties measured at different rheometer gap sizes. <i>Construction and Building Materials</i> , 2020, 265, 120287.	3.2	8
12	Comparison of Mechanical Responses of Asphalt Mixtures under Uniform and Non-Uniform Loads Using Microscale Finite Element Simulation. <i>Materials</i> , 2019, 12, 3058.	1.3	7
13	Feasibility analysis of bio-binder as non-petroleum alternative for bituminous materials. <i>Materials Research Express</i> , 2019, 6, 125115.	0.8	7
14	Influence of preparation methods on the performance of cold-mixed epoxy bitumen. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	1.3	7
15	Establishment and extension of digital aggregate database using auxiliary classifier Wasserstein GAN with gradient penalty. <i>Construction and Building Materials</i> , 2021, 300, 124217.	3.2	5
16	Study on pre-compaction of pavement graded gravels via imaging technologies, artificial intelligent and numerical simulations. <i>Construction and Building Materials</i> , 2022, 345, 128380.	3.2	2