

# Chonghui Wang

## List of Publications by Year in descending order

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16  
papers

292  
citations

1039406

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940134

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all docs

17  
docs citations

17  
times ranked

207  
citing authors

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