Cong Du

List of Publications by Year
in descending order

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10 papers	182 citations	1478280 6 h-index	1474057 9 g-index
10 all docs	10 docs citations	10 times ranked	103 citing authors

#	Article	IF	Citations
1	Analysis of load-induced top-down cracking initiation in asphalt pavements using a two-dimensional microstructure-based multiscale finite element method. Engineering Fracture Mechanics, 2019, 216, 106497.	2.0	48
2	Effect of temperature field on damage initiation in asphalt pavement: A microstructure-based multiscale finite element method. Mechanics of Materials, 2020, 144, 103367.	1.7	48
3	Analysis of cohesive and adhesive damage initiations of asphalt pavement using a microstructure-based finite element model. Construction and Building Materials, 2020, 261, 119973.	3.2	20
4	Microstructural analysis of the effects of compaction on fatigue properties of asphalt mixtures. International Journal of Pavement Engineering, 2022, 23, 9-20.	2.2	19
5	Study on interfacial debonding between bitumen and aggregate based on micromechanical damage model. International Journal of Pavement Engineering, 2022, 23, 340-348.	2.2	18
6	Characterizing asphalt mixtures with random aggregate gradations based on the threeâ€dimensional locally homogeneous model. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 1687-1702.	6.3	8
7	Effect of filler on performance of porous asphalt pavement using multiscale finite element method. International Journal of Pavement Engineering, 2022, 23, 3244-3254.	2.2	7
8	Finite Element Modeling and Performance Evaluation of Piezoelectric Energy Harvesters with Various Piezoelectric Unit Distributions. Materials, 2021, 14, 1405.	1.3	7
9	Influence of preparation methods on the performance of cold-mixed epoxy bitumen. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	1.3	7
10	Homogenization of the elastic-viscoplastic damage behavior of asphalt mixtures based on the mesomechanical Moriâ€“Tanaka method. Engineering With Computers, 0, , 1.	3.5	0