

Fangyuan Gong

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

481
citations

759190

12
h-index

1125717

13
g-index

13
all docs

13
docs citations

13
times ranked

282
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete element modeling of realistic particle shapes in stone-based mixtures through MATLAB-based imaging process. <i>Construction and Building Materials</i> , 2017, 143, 169-178.	7.2	86
2	Using discrete element models to track movement of coarse aggregates during compaction of asphalt mixture. <i>Construction and Building Materials</i> , 2018, 189, 338-351.	7.2	75
3	Lab assessment and discrete element modeling of asphalt mixture during compaction with elongated and flat coarse aggregates. <i>Construction and Building Materials</i> , 2018, 182, 573-579.	7.2	65
4	Use of reacted and activated rubber in ultra-thin hot mixture asphalt overlay for wet-freeze climates. <i>Journal of Cleaner Production</i> , 2019, 232, 369-378.	9.3	45
5	Aggregate Morphological Characterization with 3D Optical Scanner versus X-Ray Computed Tomography. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	2.9	39
6	Material selections in asphalt pavement for wet-freeze climate zones: A review. <i>Construction and Building Materials</i> , 2019, 201, 510-525.	7.2	33
7	Strength and durability of dry-processed stone matrix asphalt containing cement pre-coated scrap tire rubber particles. <i>Construction and Building Materials</i> , 2019, 214, 475-483.	7.2	26
8	Characterization and evaluation of morphological features for aggregate in asphalt mixture: A review. <i>Construction and Building Materials</i> , 2021, 273, 121989.	7.2	26
9	Performance evaluation of asphalt mixture using polyethylene glycol polyacrylamide graft copolymer as solid phase change materials. <i>Construction and Building Materials</i> , 2021, 300, 124221.	7.2	25
10	Effect of polyethylene glycol/polyacrylamide graft copolymerization phase change materials on the performance of asphalt mixture for road engineering. <i>Journal of Materials Research and Technology</i> , 2021, 15, 1970-1983.	5.8	25
11	Determining Aggregate Grain Size Using Discrete-Element Models of Sieve Analysis. <i>International Journal of Geomechanics</i> , 2019, 19, .	2.7	19
12	Rheological properties and chemical characterisation of reacted and activated rubber modified asphalt binder. <i>Road Materials and Pavement Design</i> , 2020, 21, S140-S154.	4.0	14
13	Functional Materials Based on Active Carbon and Titanium Dioxide in Fog Seal. <i>Materials</i> , 2020, 13, 5267.	2.9	3