

Huailei Cheng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

132
citations

7
h-index

11
g-index

24
ext. papers

267
ext. citations

3.7
avg, IF

3.82
L-index

#	Paper	IF	Citations
21	Vertical compressive strain-based method for setting the rigid layer depth based on falling weight deflectometer test. <i>Construction and Building Materials</i> , 2022 , 319, 126156	6.7	0
20	Analysis of Shear Stress and Rutting Performance of Semirigid Base Asphalt Pavement on Steep Longitudinal Slope. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-14	1.3	0
19	Determination of volumetric criteria for designing hard asphalt mixture. <i>Construction and Building Materials</i> , 2021 , 278, 122243	6.7	0
18	Critical response analysis of steel deck pavement based on viscoelastic finite element model. <i>International Journal of Pavement Engineering</i> , 2021 , 22, 307-318	2.6	8
17	Relationships between Asphalt-Layer Moduli under Vehicular Loading and FWD Loading. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020437	3	8
16	Estimating Tensile and Compressive Moduli of Asphalt Mixture from Indirect Tensile and Four-Point Bending Tests. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020402	3	6
15	Fatigue behaviours of asphalt mixture at different temperatures in four-point bending and indirect tensile fatigue tests. <i>Construction and Building Materials</i> , 2021 , 273, 121675	6.7	4
14	Performance-based design of recycled hot-mix asphalt (HMA) incorporating compaction effort variable. <i>Construction and Building Materials</i> , 2021 , 303, 124277	6.7	6
13	Effects of actual loading waveforms on the fatigue behaviours of asphalt mixtures. <i>International Journal of Fatigue</i> , 2021 , 151, 106386	5	22
12	Laboratory Performance Evaluation of Hot-Mix Asphalt Mixtures with Different Design Parameters. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3038	2.6	5
11	Comparative analysis of strain-pulse-based loading frequencies for three types of asphalt pavements via field tests with moving truck axle loading. <i>Construction and Building Materials</i> , 2020 , 247, 118519	6.7	17
10	Critical position of fatigue damage within asphalt pavement considering temperature and strain distribution. <i>International Journal of Pavement Engineering</i> , 2020 , 1-12	2.6	15
9	Back-Calculation of the Moduli of Asphalt Pavement Layer Using Accelerated Pavement Testing Data. <i>Lecture Notes in Civil Engineering</i> , 2020 , 379-388	0.3	0
8	Comparisons between Asphalt Pavement Responses under Vehicular Loading and FWD Loading. <i>Advances in Materials Science and Engineering</i> , 2020 , 2020, 1-15	1.5	1
7	Determination of Layer Modulus Master Curve for Steel Deck Pavement using Field-Measured Strain Data. <i>Transportation Research Record</i> , 2019 , 2673, 617-627	1.7	11
6	Fatigue characteristics of in-service cold recycling mixture with asphalt emulsion and HMA mixture. <i>Construction and Building Materials</i> , 2018 , 192, 704-714	6.7	14
5	Analysis of fatigue behaviors of asphalt mixture under actual loading waveforms using pseudo-strain-based approaches. <i>International Journal of Pavement Engineering</i> , 1-14	2.6	1

4	Stress distributions in the textures of prefabricated pavement surface created with the assistance of 3D printing technology. <i>International Journal of Pavement Engineering</i> ,1-17	2.6	5
3	Effects of using different dynamic moduli on predicted asphalt pavement responses in mechanistic pavement design. <i>Road Materials and Pavement Design</i> ,1-17	2.6	2
2	Relating Field Moduli of Asphalt Mixture Layer Under Vehicular Loading and its Dynamic Moduli Under Laboratory Loading. <i>Transportation Research Record</i> ,036119812110444	1.7	1
1	Bridging the gap between laboratory and field moduli of asphalt layer for pavement design and assessment: A comprehensive loading frequency-based approach. <i>Frontiers of Structural and Civil Engineering</i> ,1	2.5	5