Huailei Cheng

List of Publications by Citations

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	Effects of actual loading waveforms on the fatigue behaviours of asphalt mixtures. *International Journal of Fatigue*, **2021**, 151, 106386	5	22
20	Comparative analysis of strain-pulse-based loading frequencies for three types of asphalt pavements via field tests with moving truck axle loading. *Construction and Building Materials*, **2020**, 247, 118519	6.7	17
19	Critical position of fatigue damage within asphalt pavement considering temperature and strain distribution. *International Journal of Pavement Engineering*, **2020**, 1-12	2.6	15
18	Fatigue characteristics of in-service cold recycling mixture with asphalt emulsion and HMA mixture. *Construction and Building Materials*, **2018**, 192, 704-714	6.7	14
17	Determination of Layer Modulus Master Curve for Steel Deck Pavement using Field-Measured Strain Data. *Transportation Research Record*, **2019**, 2673, 617-627	1.7	11
16	Critical response analysis of steel deck pavement based on viscoelastic finite element model. *International Journal of Pavement Engineering*, **2021**, 22, 307-318	2.6	8
15	Relationships between Asphalt-Layer Moduli under Vehicular Loading and FWD Loading. *Journal of Materials in Civil Engineering*, **2021**, 33, 04020437	3	8
14	Estimating Tensile and Compressive Moduli of Asphalt Mixture from Indirect Tensile and Four-Point Bending Tests. *Journal of Materials in Civil Engineering*, **2021**, 33, 04020402	3	6
13	Performance-based design of recycled hot-mix asphalt (HMA) incorporating compaction effort variable. *Construction and Building Materials*, **2021**, 303, 124277	6.7	6
12	Laboratory Performance Evaluation of Hot-Mix Asphalt Mixtures with Different Design Parameters. *Applied Sciences (Switzerland)*, **2020**, 10, 3038	2.6	5
11	Stress distributions in the textures of prefabricated pavement surface created with the assistance of 3D printing technology. *International Journal of Pavement Engineering*,1-17	2.6	5
10	Bridging the gap between laboratory and field moduli of asphalt layer for pavement design and assessment: A comprehensive loading frequency-based approach. *Frontiers of Structural and Civil Engineering*,1	2.5	5
9	Fatigue behaviours of asphalt mixture at different temperatures in four-point bending and indirect tensile fatigue tests. *Construction and Building Materials*, **2021**, 273, 121675	6.7	4
8	Effects of using different dynamic moduli on predicted asphalt pavement responses in mechanistic pavement design. *Road Materials and Pavement Design*,1-17	2.6	2
7	Analysis of fatigue behaviors of asphalt mixture under actual loading waveforms using pseudo-strain-based approaches. *International Journal of Pavement Engineering*,1-14	2.6	1
6	Comparisons between Asphalt Pavement Responses under Vehicular Loading and FWD Loading. *Advances in Materials Science and Engineering*, **2020**, 2020, 1-15	1.5	1
5	Relating Field Moduli of Asphalt Mixture Layer Under Vehicular Loading and its Dynamic Moduli Under Laboratory Loading. *Transportation Research Record*,036119812110444	1.7	1

4	Back-Calculation of the Moduli of Asphalt Pavement Layer Using Accelerated Pavement Testing Data. *Lecture Notes in Civil Engineering*, **2020**, 379-388	0.3	0
3	Vertical compressive strain-based method for setting the rigid layer depth based on falling weight deflectometer test. *Construction and Building Materials*, **2022**, 319, 126156	6.7	0
2	Analysis of Shear Stress and Rutting Performance of Semirigid Base Asphalt Pavement on Steep Longitudinal Slope. *Advances in Civil Engineering*, **2021**, 2021, 1-14	1.3	0
1	Determination of volumetric criteria for designing hard asphalt mixture. *Construction and Building Materials*, **2021**, 278, 122243	6.7	0