

Yizhuang David Wang

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

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1163117

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue Performance Prediction of Asphalt Pavements with FlexPAVE TM , the S-VECD Model, and <i>D^R</i> Failure Criterion. Transportation Research Record, 2018, 2672, 217-227.	1.9	47
2	Development of a Performance-Volumetric Relationship for Asphalt Mixtures. Transportation Research Record, 2019, 2673, 416-430.	1.9	32
3	Development of a fatigue index parameter, <i>S_{app}</i> , for asphalt mixes using viscoelastic continuum damage theory. International Journal of Pavement Engineering, 2022, 23, 438-452.	4.4	31
4	Evaluation of Fatigue Cracking Resistance of Asphalt Mixtures Using Apparent Damage Capacity. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	21
5	Development of preliminary transfer functions for performance predictions in FlexPAVE TM . Construction and Building Materials, 2021, 266, 121182.	7.2	19
6	Uncertainty Quantification of Simplified Viscoelastic Continuum Damage Fatigue Model using the Bayesian Inference-Based Markov Chain Monte Carlo Method. Transportation Research Record, 2020, 2674, 247-260.	1.9	17
7	Fatigue Performance Analysis of Pavements with RAP Using Viscoelastic Continuum Damage Theory. KSCE Journal of Civil Engineering, 2018, 22, 2118-2125.	1.9	16
8	An Efficient and Explainable Ensemble Learning Model for Asphalt Pavement Condition Prediction Based on LTPP Dataset. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22084-22093.	8.0	12
9	Implementation of the Linear Amplitude Sweep Test to Evaluate Fatigue Resistance of Highly Polymerized Asphalt Binders. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	9
10	Development of framework of the predictive performance-engineered mix design procedure for asphalt mixtures. International Journal of Pavement Engineering, 2022, 23, 4190-4205.	4.4	4
11	Comparison of Treatment Timing between Aggregate Base and Full-Depth Asphalt Roads. Journal of Transportation Engineering Part B: Pavements, 2020, 146, 04020057.	1.5	2
12	Impacts of Lightweight Aggregate Interlayers for Air Convection Embankment on Pavement Thermal Profile and Pavement Performance in Alaskan Permafrost Regions. Transportation Research Record, 0, , 036119812210974.	1.9	1
13	Effects of Aging on Pavement ME Predictions of Permanent Deformation for HMA and WMA Mixtures. Journal of Transportation Engineering Part B: Pavements, 2021, 147, 04021065.	1.5	0