

Fengdi Guo

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

204
citations

1478505

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h-index

1281871

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g-index

13
all docs

13
docs citations

13
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	A weighted multi-output neural network model for the prediction of rigid pavement deterioration. International Journal of Pavement Engineering, 2022, 23, 2631-2643.	4.4	4
2	Sustainability-oriented maintenance management of highway bridge networks based on Q-learning. Sustainable Cities and Society, 2022, 81, 103855.	10.4	6
3	Mitigating life cycle GHG emissions of roads to be built through 2030: Case study of a Chinese province. Journal of Environmental Management, 2022, 319, 115512.	7.8	5
4	Carbon uptake of concrete in the US pavement network. Resources, Conservation and Recycling, 2021, 167, 105397.	10.8	12
5	The role of concrete in life cycle greenhouse gas emissions of US buildings and pavements. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
6	Environmental and economic evaluations of treatment strategies for pavement network performance-based planning. Transportation Research, Part D: Transport and Environment, 2021, 99, 103016.	6.8	2
7	On the prediction of critical heat flux using a physics-informed machine learning-aided framework. Applied Thermal Engineering, 2020, 164, 114540.	6.0	55
8	Incorporating cost uncertainty and path dependence into treatment selection for pavement networks. Transportation Research Part C: Emerging Technologies, 2020, 110, 40-55.	7.6	29
9	Regional Heterogeneity in the Emissions Benefits of Electrified and Lightweight Light-Duty Vehicles. Environmental Science & Technology, 2019, 53, 10560-10570.	10.0	53
10	Probabilistic Life-Cycle Cost Analysis of Pavements Based on Simulation Optimization. Transportation Research Record, 2019, 2673, 389-396.	1.9	16
11	Determination of the relative significance of material parameters for concrete exposed to fire. International Journal of Heat and Mass Transfer, 2016, 100, 191-198.	4.8	6