

Fangyu Liu

List of Publications by Year in descending order

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papers

371
citations

933447

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1372567

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docs citations

10
times ranked

155
citing authors

#	ARTICLE	IF	CITATIONS
1	Asphalt Pavement Crack Detection Based on Convolutional Neural Network and Infrared Thermography. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22145-22155.	8.0	22
2	UNet-based model for crack detection integrating visual explanations. Construction and Building Materials, 2022, 322, 126265.	7.2	59
3	Optimizing asphalt mix design through predicting effective asphalt content and absorbed asphalt content using machine learning. Construction and Building Materials, 2022, 325, 126607.	7.2	12
4	Deep learning and infrared thermography for asphalt pavement crack severity classification. Automation in Construction, 2022, 140, 104383.	9.8	36
5	Deep transfer learning-based vehicle classification by asphalt pavement vibration. Construction and Building Materials, 2022, 342, 127997.	7.2	12
6	Microstructural characteristics and their impact on mechanical properties of steel-PVA fiber reinforced concrete. Cement and Concrete Composites, 2021, 123, 104196.	10.7	47
7	Experimental investigation on the tensile behavior of hybrid steel-PVA fiber reinforced concrete containing fly ash and slag powder. Construction and Building Materials, 2020, 241, 118000.	7.2	64
8	An artificial neural network model on tensile behavior of hybrid steel-PVA fiber reinforced concrete containing fly ash and slag powder. Frontiers of Structural and Civil Engineering, 2020, 14, 1299-1315.	2.9	19
9	Experimental investigation on the flexural behavior of hybrid steel-PVA fiber reinforced concrete containing fly ash and slag powder. Construction and Building Materials, 2019, 228, 116706.	7.2	66
10	An experimental investigation on the integral waterproofing capacity of polypropylene fiber concrete with fly ash and slag powder. Construction and Building Materials, 2019, 212, 675-686.	7.2	34