Fangyu Liu

List of Publications by Year
in descending order

10 papers	371 citations	933447 10 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	155 citing authors

#	Article	IF	Citations
1	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
2	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
3	UNet-based model for crack detection integrating visual explanations. Construction and Building Materials, 2022, 322, 126265.	7.2	59
4	Microstructural characteristics and their impact on mechanical properties of steel-PVA fiber reinforced concrete. Cement and Concrete Composites, 2021, 123, 104196.	10.7	47
5	Deep learning and infrared thermography for asphalt pavement crack severity classification. Automation in Construction, 2022, 140, 104383.	9.8	36
6	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
7	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
8	An artificial neural network model on tensile behavior of hybrid steel-PVA fiber reinforced concrete containing fly ash and slag power. Frontiers of Structural and Civil Engineering, 2020, 14, 1299-1315.	2.9	19
9	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
10	Deep transfer learning-based vehicle classification by asphalt pavement vibration. Construction and Building Materials, 2022, 342, 127997.	7.2	12