

Xiao Tan

List of Publications by Year in descending order

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papers

336
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9
docs citations

9
times ranked

85
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement and visualization of strains and cracks in CFRP post-tensioned fiber reinforced concrete beams using distributed fiber optic sensors. Automation in Construction, 2021, 124, 103604.	9.8	73
2	Strain transfer effect in distributed fiber optic sensors under an arbitrary field. Automation in Construction, 2021, 124, 103597.	9.8	58
3	Measuring crack width using a distributed fiber optic sensor based on optical frequency domain reflectometry. Measurement: Journal of the International Measurement Confederation, 2021, 172, 108945.	5.0	53
4	Monitoring corrosion of steel bars in reinforced concrete based on helix strains measured from a distributed fiber optic sensor. Engineering Structures, 2020, 204, 110039.	5.3	48
5	Detection, visualization, quantification, and warning of pipe corrosion using distributed fiber optic sensors. Automation in Construction, 2021, 132, 103953.	9.8	45
6	Strain transfer effect on measurements with distributed fiber optic sensors. Automation in Construction, 2022, 139, 104262.	9.8	29
7	Inverse analysis of strain distributions sensed by distributed fiber optic sensors subject to strain transfer. Mechanical Systems and Signal Processing, 2022, 166, 108474.	8.0	18
8	Mechanical behavior and recoverable properties of CFRP shape memory alloy composite under different prestrains. Construction and Building Materials, 2022, 333, 127186.	7.2	10
9	Experimental investigation on flexural behavior of steel-concrete composite floor slabs with distributed fiber optic sensors. Journal of Building Engineering, 2022, 54, 104668.	3.4	2