

Zhi Zhou

List of Publications by Year in descending order

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papers

334
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840776

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21
docs citations

21
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-High Sensitive Multipass Absorption Enhanced Fiber-Optic Photoacoustic Gas Analyzer. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-8.	4.7	4
2	Long-term performance of packaged fiber Bragg grating sensors for strain monitoring inside creep medium. International Journal of Smart and Nano Materials, 2022, 13, 42-63.	4.2	7
3	Light transmitting performance and energy-saving of plastic optical fibre transparent concrete products. Indoor and Built Environment, 2021, 30, 635-649.	2.8	19
4	Bayesian dynamic modification of corrosion in a cylindrical rod quantified by guided waves technique. Nondestructive Testing and Evaluation, 2021, 36, 311-335.	2.1	0
5	Prior and post peaks compressive behavior of concrete-filled double-skin tubular columns with BFRP-punched-in outer steel and BFRP-circular inner steel. Advances in Structural Engineering, 2020, 23, 2911-2927.	2.4	2
6	A constrained cylinder model of strain transfer for packaged fiber Bragg grating sensors embedded in inelastic medium. Structural Control and Health Monitoring, 2019, 26, e2335.	4.0	14
7	Non-baseline method for damage detection in truss structures using displacement and strain measurements. Advances in Structural Engineering, 2019, 22, 818-830.	2.4	6
8	Sensors for Structural Health Monitoring in Civil Infrastructure. Journal of Sensors, 2018, 2018, 1-2.	1.1	0
9	An Experimental Investigation on Flexural Behavior of Reinforced Concrete Beams Strengthened by an Intelligent CFRP Plate with Built-In Optical Fiber Bragg Grating Sensors. Journal of Sensors, 2018, 2018, 1-16.	1.1	5
10	Strain estimation of truss structures based on augmented Kalman filtering and modal expansion. Advances in Mechanical Engineering, 2017, 9, 168781401773578.	1.6	11
11	Time Reversal Method for Guided Waves with Multimode and Multipath on Corrosion Defect Detection in Wire. Applied Sciences (Switzerland), 2017, 7, 424.	2.5	14
12	Development of a Distributed Crack Sensor Using Coaxial Cable. Sensors, 2016, 16, 1198.	3.8	8
13	Large-Scale Wireless Temperature Monitoring System for Liquefied Petroleum Gas Storage Tanks. Sensors, 2015, 15, 23745-23762.	3.8	15
14	Strain transfer mechanism of quadrate-packaged FBG sensors embedded in rectangular structures. Journal of Civil Structural Health Monitoring, 2015, 5, 469-480.	3.9	11
15	A Wireless Fatigue Monitoring System Utilizing a Bio-Inspired Tree Ring Data Tracking Technique. Sensors, 2014, 14, 4364-4383.	3.8	11
16	Functionality Enhancement of Industrialized Optical Fiber Sensors and System Developed for Full-Scale Pavement Monitoring. Sensors, 2014, 14, 8829-8850.	3.8	29
17	Monitoring of structural prestress loss in RC beams by inner distributed Brillouin and fiber Bragg grating sensors on a single optical fiber. Structural Control and Health Monitoring, 2014, 21, 317-330.	4.0	57
18	A novel durable intelligent fiber reinforced polymer anchor with embedded optical fiber Bragg grating sensors. Science China Technological Sciences, 2012, 55, 1455-1462.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Integrated Optical Fiber Sensing System by Combing Large-Scale Distributed BOTDA/R and Localized FBGs. International Journal of Distributed Sensor Networks, 2012, 8, 804394.	2.2	8
20	An Optical Fiber Bragg Grating Sensing System for Scour Monitoring. Advances in Structural Engineering, 2011, 14, 67-78.	2.4	20
21	Applications of optical fibre Bragg gratings sensing technology-based smart stay cables. Optics and Lasers in Engineering, 2009, 47, 1077-1084.	3.8	87