

Zhi Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

334
citations

840776

11
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of optical fibre Bragg gratings sensing technology-based smart stay cables. <i>Optics and Lasers in Engineering</i> , 2009, 47, 1077-1084.	3.8	87
2	Monitoring of structural prestress loss in RC beams by inner distributed Brillouin and fiber Bragg grating sensors on a single optical fiber. <i>Structural Control and Health Monitoring</i> , 2014, 21, 317-330.	4.0	57
3	Functionality Enhancement of Industrialized Optical Fiber Sensors and System Developed for Full-Scale Pavement Monitoring. <i>Sensors</i> , 2014, 14, 8829-8850.	3.8	29
4	An Optical Fiber Bragg Grating Sensing System for Scour Monitoring. <i>Advances in Structural Engineering</i> , 2011, 14, 67-78.	2.4	20
5	Light transmitting performance and energy-saving of plastic optical fibre transparent concrete products. <i>Indoor and Built Environment</i> , 2021, 30, 635-649.	2.8	19
6	Large-Scale Wireless Temperature Monitoring System for Liquefied Petroleum Gas Storage Tanks. <i>Sensors</i> , 2015, 15, 23745-23762.	3.8	15
7	Time Reversal Method for Guided Waves with Multimode and Multipath on Corrosion Defect Detection in Wire. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 424.	2.5	14
8	A constrained cylinder model of strain transfer for packaged fiber Bragg grating sensors embedded in inelastic medium. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2335.	4.0	14
9	A Wireless Fatigue Monitoring System Utilizing a Bio-Inspired Tree Ring Data Tracking Technique. <i>Sensors</i> , 2014, 14, 4364-4383.	3.8	11
10	Strain transfer mechanism of quadrate-packaged FBG sensors embedded in rectangular structures. <i>Journal of Civil Structural Health Monitoring</i> , 2015, 5, 469-480.	3.9	11
11	Strain estimation of truss structures based on augmented Kalman filtering and modal expansion. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401773578.	1.6	11
12	Development of a Distributed Crack Sensor Using Coaxial Cable. <i>Sensors</i> , 2016, 16, 1198.	3.8	8
13	Integrated Optical Fiber Sensing System by Combing Large-Scale Distributed BOTDA/R and Localized FBGs. <i>International Journal of Distributed Sensor Networks</i> , 2012, 8, 804394.	2.2	8
14	Long-term performance of packaged fiber Bragg grating sensors for strain monitoring inside creep medium. <i>International Journal of Smart and Nano Materials</i> , 2022, 13, 42-63.	4.2	7
15	A novel durable intelligent fiber reinforced polymer anchor with embedded optical fiber Bragg grating sensors. <i>Science China Technological Sciences</i> , 2012, 55, 1455-1462.	4.0	6
16	Non-baseline method for damage detection in truss structures using displacement and strain measurements. <i>Advances in Structural Engineering</i> , 2019, 22, 818-830.	2.4	6
17	An Experimental Investigation on Flexural Behavior of Reinforced Concrete Beams Strengthened by an Intelligent CFRP Plate with Built-In Optical Fiber Bragg Grating Sensors. <i>Journal of Sensors</i> , 2018, 2018, 1-16.	1.1	5
18	Ultra-High Sensitive Multipass Absorption Enhanced Fiber-Optic Photoacoustic Gas Analyzer. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-8.	4.7	4

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19	Prior and post peaks compressive behavior of concrete-filled double-skin tubular columns with BFRP-punched-in outer steel and BFRP-circular inner steel. <i>Advances in Structural Engineering</i> , 2020, 23, 2911-2927.	2.4	2
20	Sensors for Structural Health Monitoring in Civil Infrastructure. <i>Journal of Sensors</i> , 2018, 2018, 1-2.	1.1	0
21	Bayesian dynamic modification of corrosion in a cylindrical rod quantified by guided waves technique. <i>Nondestructive Testing and Evaluation</i> , 2021, 36, 311-335.	2.1	0