

Chun-Feng Wan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

435
citations

840585

11
h-index

752573

20
g-index

30
all docs

30
docs citations

30
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous missing data imputation with incomplete dataset by generative adversarial networksâ€‘based unsupervised learning for long-term bridge health monitoring. Structural Health Monitoring, 2022, 21, 1093-1109.	4.3	36
2	Experimental study and numerical simulation of allâ€‘steel bucklingâ€‘restrained brace with distributed inspection windows. Structural Design of Tall and Special Buildings, 2022, 31, .	0.9	0
3	An angle sensor based on a sector ring patch antenna for bolt loosening detection. Smart Materials and Structures, 2022, 31, 045009.	1.8	10
4	Deep learning and data augmentation based data imputation for structural health monitoring system in multi-sensor damaged state. Measurement: Journal of the International Measurement Confederation, 2022, 196, 111206.	2.5	19
5	A multi-objective optimization algorithm for Boucâ€‘Wenâ€‘Baberâ€‘Noori model to identify reinforced concrete columns failing in different modes. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 2165-2182.	0.7	14
6	Modeling relationships for field strain data under thermal effects using functional data analysis. Measurement: Journal of the International Measurement Confederation, 2021, 177, 109279.	2.5	7
7	Pulse-heating infrared thermography inspection of bonding defects on carbon fiber reinforced polymer composites. Science Progress, 2020, 103, 36850420950131.	1.0	8
8	Quasi-static macrostrain-based structural damage detection with distributed long-gauge fiber Bragg grating sensing. Journal of Intelligent Material Systems and Structures, 2020, 31, 2137-2151.	1.4	3
9	A Capacitively-Fed Inverted-F Antenna for Displacement Detection in Structural Health Monitoring. Sensors, 2020, 20, 5310.	2.1	5
10	Natural Frequency Characteristics of the Beam with Different Cross Sections Considering the Shear Deformation Induced Rotary Inertia. Applied Sciences (Switzerland), 2020, 10, 5245.	1.3	3
11	Long-Range Displacement Meters Based on Chipped Circular Patch Antenna. Sensors, 2020, 20, 4884.	2.1	7
12	Experimental Investigation of the Fatigue Behavior of Basalt Fiber Reinforced Polymer Grid-Concrete Interface. Advances in Materials Science and Engineering, 2020, 2020, 1-10.	1.0	0
13	Simulation of Earthquake Motion Phase considering Its Fractal and Auto-covariance Features. KSCE Journal of Civil Engineering, 2019, 23, 4102-4112.	0.9	0
14	Development of a Bridge Management System Based on the Building Information Modeling Technology. Sustainability, 2019, 11, 4583.	1.6	56
15	Developing an Extended IFC Data Schema and Mesh Generation Framework for Finite Element Modeling. Advances in Civil Engineering, 2019, 2019, 1-19.	0.4	4
16	Experimental Verification of the Statistical Time-Series Methods for Diagnosing Wind Turbine Blades Damage. International Journal of Structural Stability and Dynamics, 2019, 19, 1940008.	1.5	4
17	Structural damage detection with distributed long-gauge FBG sensors under multi-point excitations. Smart Materials and Structures, 2019, 28, 095023.	1.8	7
18	Structural Parameters Identification Based on Extended Kalman Filter. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Definition of Yield Seismic Coefficient Spectrum Considering the Uncertainty of the Earthquake Motion Phase. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2254.	1.3	2
20	Shear test method for and mechanical characteristics of short basalt fiber reinforced polymer composite materials. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46078.	1.3	7
21	Parameter Identification for Structural Health Monitoring with Extended Kalman Filter Considering Integration and Noise Effect. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2480.	1.3	13
22	Experimental Study on Force Sensitivity of the Conductivity of Carbon Nanotubes-Modified Epoxy Resins. <i>Materials</i> , 2018, 11, 1174.	1.3	4
23	Review of Basalt Fiber-Reinforced Concrete in China: Alkali Resistance of Fibers and Static Mechanical Properties of Composites. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-11.	1.0	12
24	Structural optimization research on superstructure of jib crane. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 2779-2787.	0.8	2
25	Development of a Novel Beam Model and Its Dynamic Characteristics. <i>Mechanics of Advanced Materials and Structures</i> , 2015, 22, 402-412.	1.5	4
26	Advanced Markov Chain Monte Carlo Approach for Finite Element Calibration under Uncertainty. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013, 28, 522-530.	6.3	46
27	Bridge Assessment and Health Monitoring with Distributed Long-Gauge FBG Sensors. <i>International Journal of Distributed Sensor Networks</i> , 2013, 9, 494260.	1.3	15
28	Investigation on the damage identification of bridges using distributed long-gauge dynamic macrostrain response under ambient excitation. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 85-103.	1.4	28
29	Integrated honeycomb technology motivated by the structure of beetle forewings. <i>Materials Science and Engineering C</i> , 2012, 32, 1813-1817.	3.8	68
30	An Improved Conjugated Beam Method for Deformation Monitoring with a Distributed Sensitive Fiber Optic Sensor. <i>Structural Health Monitoring</i> , 2010, 9, 361-378.	4.3	49