Chun-Feng Wan

List of Publications by Year
in descending order

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	Integrated honeycomb technology motivated by the structure of beetle forewings. Materials Science and Engineering C, 2012, 32, 1813-1817.	3.8	68
2	Development of a Bridge Management System Based on the Building Information Modeling Technology. Sustainability, 2019, 11, 4583.	1.6	56
3	An Improved Conjugated Beam Method for Deformation Monitoring with a Distributed Sensitive Fiber Optic Sensor. Structural Health Monitoring, 2010, 9, 361-378.	4.3	49
4	Advanced Markov Chain Monte Carlo Approach for Finite Element Calibration under Uncertainty. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 522-530.	6.3	46
5	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
6	Investigation on the damage identification of bridges using distributed long-gauge dynamic macrostrain response under ambient excitation. Journal of Intelligent Material Systems and Structures, 2012, 23, 85-103.	1.4	28
7	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
8	Bridge Assessment and Health Monitoring with Distributed Long-Gauge FBG Sensors. International Journal of Distributed Sensor Networks, 2013, 9, 494260.	1.3	15
9	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
10	Parameter Identification for Structural Health Monitoring with Extended Kalman Filter Considering Integration and Noise Effect. Applied Sciences (Switzerland), 2018, 8, 2480.	1.3	13
11	Review of Basalt Fiber-Reinforced Concrete in China: Alkali Resistance of Fibers and Static Mechanical Properties of Composites. Advances in Materials Science and Engineering, 2018, 2018, 1-11.	1.0	12
12	An angle sensor based on a sector ring patch antenna for bolt loosening detection. Smart Materials and Structures, 2022, 31, 045009.	1.8	10
13	Pulse-heating infrared thermography inspection of bonding defects on carbon fiber reinforced polymer composites. Science Progress, 2020, 103, 36850420950131.	1.0	8
14	Shear test method for and mechanical characteristics of short basalt fiber reinforced polymer composite materials. Journal of Applied Polymer Science, 2018, 135, 46078.	1.3	7
15	Structural damage detection with distributed long-gauge FBG sensors under multi-point excitations. Smart Materials and Structures, 2019, 28, 095023.	1.8	7
16	Long-Range Displacement Meters Based on Chipped Circular Patch Antenna. Sensors, 2020, 20, 4884.	2.1	7
17	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
18	A Capacitively-Fed Inverted-F Antenna for Displacement Detection in Structural Health Monitoring. Sensors, 2020, 20, 5310.	2.1	5

#	Article	IF	Citations
19	Development of a Novel Beam Model and Its Dynamic Characteristics. Mechanics of Advanced Materials and Structures, 2015, 22, 402-412.	1.5	4
20	Experimental Study on Force Sensitivity of the Conductivity of Carbon Nanotubes-Modified Epoxy Resins. Materials, 2018, 11, 1174.	1.3	4
21	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
22	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
23	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
24	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
25	Structural optimization research on superstructure of jib crane. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 2779-2787.	0.8	2
26	Structural Parameters Identification Based on Extended Kalman Filter. , 2019, , .		2
27	Definition of Yield Seismic Coefficient Spectrum Considering the Uncertainty of the Earthquake Motion Phase. Applied Sciences (Switzerland), 2019, 9, 2254.	1.3	2
28	Simulation of Earthquake Motion Phase considering Its Fractal and Auto-covariance Features. KSCE Journal of Civil Engineering, 2019, 23, 4102-4112.	0.9	0
29	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
30	Experimental study and numerical simulation of all‐steel buckling‐restrained brace with distributed inspection windows. Structural Design of Tall and Special Buildings, 2022, 31, .	0.9	0