Ying Wang

List of Publications by Year
in descending order

50 papers	891 citations	516561 16 h-index	501076 28 g-index
50 all docs	50 docs citations	50 times ranked	784 citing authors

#	ARTICLE	IF	CITATIONS
1	Guided wave propagation and spectral element method for debonding damage assessment in RC structures. Journal of Sound and Vibration, 2009, 324, 751-772.	2.1	92
2	Parametric Monte Carlo studies of rock slopes based on the Hoek–Brown failure criterion. Computers and Geotechnics, 2012, 45, 11-18.	2.3	59
3	Influence of axial loads on the health monitoring of concrete structures using embedded piezoelectric transducers. Structural Health Monitoring, 2017, 16, 202-214.	4.3	55
4	Monitoring of transport infrastructure exposed to multiple hazards: a roadmap for building resilience. Science of the Total Environment, 2020, 746, 141001.	3.9	52
5	Damage Identification Scheme Based on Compressive Sensing. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	50
6	SHMnet: Condition assessment of bolted connection with beyond human-level performance. Structural Health Monitoring, 2020, 19, 1188-1201.	4.3	41
7	Rock slope stability analyses using extreme learning neural network and terminal steepest descent algorithm. Automation in Construction, 2016, 65, 42-50.	4.8	38
8	Internal Stress Monitoring of In-Service Structural Steel Members with Ultrasonic Method. Materials, 2016, 9, 223.	1.3	36
9	Long term effect of operating loads on large monopile-supported offshore wind turbines in sand. Ocean Engineering, 2022, 245, 110404.	1.9	36
10	Modelling of Guided Wave Propagation with Spectral Element: Application in Structural Engineering. Applied Mechanics and Materials, 0, 553, 687-692.	0.2	32
11	Structural damage identification based on self-fitting ARMAX model and multi-sensor data fusion. Structural Health Monitoring, 2014, 13, 445-460.	4.3	31
12	Physical Modelling of Offshore Wind Turbine Foundations for TRL (Technology Readiness Level) Studies. Journal of Marine Science and Engineering, 2021, 9, 589.	1.2	29
13	Absolute stress field measurement in structural steel members using the Lcr wave method. Measurement: Journal of the International Measurement Confederation, 2018, 122, 679-687.	2.5	28
14	Absolute stress measurement of structural steel members with ultrasonic shear-wave spectral analysis method. Structural Health Monitoring, 2019, 18, 216-231.	4.3	26
15	Support condition monitoring of offshore wind turbines using model updating techniques. Structural Health Monitoring, 2020, 19, 1017-1031.	4.3	24
16	Probability distribution of decay rate: a statistical time-domain damping parameter for structural damage identification. Structural Health Monitoring, 2019, 18, 66-86.	4.3	20
17	Ultrasonic Detection Method for Grouted Defects in Grouted Splice Sleeve Connector Based on Wavelet Pack Energy. Sensors, 2019, 19, 1642.	2.1	19
18	Comparative Modal Analysis of Monopile and Jacket Supported Offshore Wind Turbines including Soil-Structure Interaction. International Journal of Structural Stability and Dynamics, 2020, 20, 2042016.	1.5	18

#	Article	IF	Citations
19	Sparse representation approach to data compression for strain-based traffic load monitoring: A comparative study. Measurement: Journal of the International Measurement Confederation, 2018, 122, 630-637.	2.5	17
20	Spectral Element Model Updating for Damage Identification Using Clonal Selection Algorithm. Advances in Structural Engineering, 2011, 14, 837-856.	1.2	16
21	Spectral Element Modelling of Wave Propagation with Boundary and Structural Discontinuity Reflections. Advances in Structural Engineering, 2012, 15, 855-870.	1.2	15
22	Damage Identification of Steel Beams Using Local and Global Methods. Advances in Structural Engineering, 2012, 15, 807-824.	1.2	12
23	FEM Calibrated ARMAX Model Updating Method for Time Domain Damage Identification. Advances in Structural Engineering, 2013, 16, 51-60.	1.2	12
24	Comparison of the L cr wave TOF and shear‑wave spectrum methods for the uniaxial absolute stress evaluation of steel members. Structural Control and Health Monitoring, 2019, 26, e2348.	1.9	12
25	Influence Analysis of a Higher-Order CSI Effect on AMD Systems and Its Time-Varying Delay Compensation Using a Guaranteed Cost Control Algorithm. Applied Sciences (Switzerland), 2017, 7, 313.	1.3	11
26	Identification of de-bonding between steel bars and concrete using wavelet techniques: Comparative study. Australian Journal of Structural Engineering, 2013, 14, .	0.4	10
27	Experimental Study of Damage Evolution in Circular Stirrup-Confined Concrete. Materials, 2016, 9, 278.	1.3	10
28	Integrated health monitoring for reinforced concrete beams: An experimental study. Australian Journal of Mechanical Engineering, 2011, 8, 207-217.	1.5	9
29	Deep Learning Algorithms for Structural Condition Identification with Limited Monitoring Data. , 2019, , .		9
30	A compensation controller based on a regional pole-assignment method for AMD control systems with a time-varying delay. Journal of Sound and Vibration, 2018, 419, 18-32.	2.1	8
31	Local vibration mode pairs for damage identification in axisymmetric tubular structures. Journal of Sound and Vibration, 2021, 494, 115845.	2.1	8
32	An efficient method to derive statistical mechanical properties of concrete reinforced with spiral-shaped steel fibres in dynamic tension. Construction and Building Materials, 2016, 124, 732-745.	3.2	7
33	Experimental study of damage evolution in cuboid stirrup-confined concrete. Materials and Structures/Materiaux Et Constructions, 2016, 49, 2857-2870.	1.3	7
34	Effects of climate change on structures; analysis of carbonation-induced corrosion in Reinforced Concrete Structures in Malta. IOP Conference Series: Materials Science and Engineering, 0, 442, 012023.	0.3	7
35	Condition identification of bolted connections using a virtual viscous damper. Structural Health Monitoring, 2022, 21, 731-752.	4.3	7
36	Damage identification of slab‑girder structures: experimental studies. Journal of Civil Structural Health Monitoring, 2013, 3, 93-103.	2.0	6

#	Article	IF	Citations
37	Cross-correlation-based algorithm for absolute stress evaluation in steel members using the longitudinal critically refracted wave. International Journal of Distributed Sensor Networks, 2018, 14, 155014771880331.	1.3	4
38	A Reduced-Order Controller Considering High-Order Modal Information of High-Rise Buildings for AMD Control System with Time-Delay. Shock and Vibration, 2017, 2017, 1-16.	0.3	3
39	Optimal Sensor Placement Strategy for the Identification of Local Bolted Connection Failures in Steel Structures. , 2019, , .		3
40	Monitoring corrosion of reinforced concrete beams in a chloride containing environment under different loading levels. Structural Monitoring and Maintenance, 2015, 2, 253-267.	1.7	3
41	Damage identification of single-layer cylindrical latticed shells based on the model updating technique. Journal of Civil Structural Health Monitoring, 2022, 12, 289-303.	2.0	3
42	An Observer-Based Controller with a LMI-Based Filter against Wind-Induced Motion for High-Rise Buildings. Shock and Vibration, 2017, 2017, 1-18.	0.3	2
43	An Observer-Based Fault-Tolerant Controller for Flexible Buildings-Based on Linear Matrix Inequality Approach. Current Science, 2018, 114, 341.	0.4	2
44	Design Earthquake Ground Motion Prediction for Perth Metropolitan Area with Microtremor Measurements for Site Characterization. Journal of Earthquake Engineering, 2009, 13, 997-1028.	1.4	1
45	Seismic Performance and Failure Mechanism of Megabraced Frame-Core Tube Structures with Different Brace Patterns. Advances in Civil Engineering, 2018, 2018, 1-23.	0.4	1
46	Modelling and Analysis of the Bottom Frames of Multi-Story Masonry Buildings Exposed to Fire. Advanced Materials Research, 0, 255-260, 704-708.	0.3	0
47	Metamaterials and Smart Structures in a Big Data Era. Advances in Materials Science and Engineering, 2017, 2017, 1-1.	1.0	0
48	Deep Convolutional Neural Network for Condition Identification of Connections in Steel Structures. , 0, , .		0
49	Challenges in the Design and Construction of Offshore Wind Turbine Foundations Including Sites in Seismic Areas. Lecture Notes in Civil Engineering, 2020, , 121-160.	0.3	0
50	A baseline-free method for damage identification in pipes from local vibration mode pair frequencies. Structural Health Monitoring, 0, , 147592172110523.	4.3	0