

Ying Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47 papers	614 citations	14 h-index	23 g-index
50 ext. papers	729 ext. citations	3.2 avg, IF	4.52 L-index

#	Paper	IF	Citations
47	Damage identification of single-layer cylindrical latticed shells based on the model updating technique. <i>Journal of Civil Structural Health Monitoring</i> , 2022 , 12, 289	2.9	1
46	Long term effect of operating loads on large monopile-supported offshore wind turbines in sand. <i>Ocean Engineering</i> , 2022 , 245, 110404	3.9	20
45	Physical Modelling of Offshore Wind Turbine Foundations for TRL (Technology Readiness Level) Studies. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 589	2.4	10
44	Local vibration mode pairs for damage identification in axisymmetric tubular structures. <i>Journal of Sound and Vibration</i> , 2021 , 494, 115845	3.9	5
43	Challenges in the Design and Construction of Offshore Wind Turbine Foundations Including Sites in Seismic Areas. <i>Lecture Notes in Civil Engineering</i> , 2020 , 121-160	0.3	
42	Monitoring of transport infrastructure exposed to multiple hazards: a roadmap for building resilience. <i>Science of the Total Environment</i> , 2020 , 746, 141001	10.2	31
41	Comparative Modal Analysis of Monopile and Jacket Supported Offshore Wind Turbines including Soil-Structure Interaction. <i>International Journal of Structural Stability and Dynamics</i> , 2020 , 20, 2042016	1.9	2
40	Support condition monitoring of offshore wind turbines using model updating techniques. <i>Structural Health Monitoring</i> , 2020 , 19, 1017-1031	4.4	10
39	SHMnet: Condition assessment of bolted connection with beyond human-level performance. <i>Structural Health Monitoring</i> , 2020 , 19, 1188-1201	4.4	24
38	Comparison of the Lcr wave TOF and shear-wave spectrum methods for the uniaxial absolute stress evaluation of steel members. <i>Structural Control and Health Monitoring</i> , 2019 , 26, e2348	4.5	6
37	Ultrasonic Detection Method for Grouted Defects in Grouted Splice Sleeve Connector Based on Wavelet Pack Energy. <i>Sensors</i> , 2019 , 19,	3.8	10
36	Deep Learning Algorithms for Structural Condition Identification with Limited Monitoring Data 2019 ,		4
35	Probability distribution of decay rate: a statistical time-domain damping parameter for structural damage identification. <i>Structural Health Monitoring</i> , 2019 , 18, 66-86	4.4	11
34	Absolute stress measurement of structural steel members with ultrasonic shear-wave spectral analysis method. <i>Structural Health Monitoring</i> , 2019 , 18, 216-231	4.4	15
33	Absolute stress field measurement in structural steel members using the Lcr wave method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 122, 679-687	4.6	18
32	A compensation controller based on a regional pole-assignment method for AMD control systems with a time-varying delay. <i>Journal of Sound and Vibration</i> , 2018 , 419, 18-32	3.9	7
31	Sparse representation approach to data compression for strain-based traffic load monitoring: A comparative study. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 122, 630-637	4.6	8

30	Effects of climate change on structures; analysis of carbonation-induced corrosion in Reinforced Concrete Structures in Malta. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 442, 012023	9.4	2
29	Seismic Performance and Failure Mechanism of Megabraced Frame-Core Tube Structures with Different Brace Patterns. <i>Advances in Civil Engineering</i> , 2018 , 2018, 1-23	1.3	
28	Cross-correlation-based algorithm for absolute stress evaluation in steel members using the longitudinal critically refracted wave. <i>International Journal of Distributed Sensor Networks</i> , 2018 , 14, 155014771880331	1.7	3
27	An Observer-Based Controller with a LMI-Based Filter against Wind-Induced Motion for High-Rise Buildings. <i>Shock and Vibration</i> , 2017 , 2017, 1-18	1.1	2
26	A Reduced-Order Controller Considering High-Order Modal Information of High-Rise Buildings for AMD Control System with Time-Delay. <i>Shock and Vibration</i> , 2017 , 2017, 1-16	1.1	2
25	Influence Analysis of a Higher-Order CSI Effect on AMD Systems and Its Time-Varying Delay Compensation Using a Guaranteed Cost Control Algorithm. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 313	2.6	6
24	Metamaterials and Smart Structures in a Big Data Era. <i>Advances in Materials Science and Engineering</i> , 2017 , 2017, 1-1	1.5	
23	Influence of axial loads on the health monitoring of concrete structures using embedded piezoelectric transducers. <i>Structural Health Monitoring</i> , 2017 , 16, 202-214	4.4	46
22	Rock slope stability analyses using extreme learning neural network and terminal steepest descent algorithm. <i>Automation in Construction</i> , 2016 , 65, 42-50	9.6	29
21	Experimental study of damage evolution in cuboid stirrup-confined concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 2857-2870	3.4	5
20	Internal Stress Monitoring of In-Service Structural Steel Members with Ultrasonic Method. <i>Materials</i> , 2016 , 9,	3.5	24
19	Experimental Study of Damage Evolution in Circular Stirrup-Confined Concrete. <i>Materials</i> , 2016 , 9,	3.5	5
18	An efficient method to derive statistical mechanical properties of concrete reinforced with spiral-shaped steel fibres in dynamic tension. <i>Construction and Building Materials</i> , 2016 , 124, 732-745	6.7	6
17	Damage Identification Scheme Based on Compressive Sensing. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014037	5	42
16	Monitoring corrosion of reinforced concrete beams in a chloride containing environment under different loading levels. <i>Structural Monitoring and Maintenance</i> , 2015 , 2, 253-267		3
15	Structural damage identification based on self-fitting ARMAX model and multi-sensor data fusion. <i>Structural Health Monitoring</i> , 2014 , 13, 445-460	4.4	25
14	Modelling of Guided Wave Propagation with Spectral Element: Application in Structural Engineering. <i>Applied Mechanics and Materials</i> , 2014 , 553, 687-692	0.3	29
13	Damage identification of slab-girder structures: experimental studies. <i>Journal of Civil Structural Health Monitoring</i> , 2013 , 3, 93-103	2.9	5

12	Identification of de-bonding between steel bars and concrete using wavelet techniques: Comparative study. <i>Australian Journal of Structural Engineering</i> , 2013 , 14,	1.4	8
11	FEM Calibrated ARMAX Model Updating Method for Time Domain Damage Identification. <i>Advances in Structural Engineering</i> , 2013 , 16, 51-60	1.9	10
10	Spectral Element Modelling of Wave Propagation with Boundary and Structural Discontinuity Reflections. <i>Advances in Structural Engineering</i> , 2012 , 15, 855-870	1.9	14
9	Parametric Monte Carlo studies of rock slopes based on the HoekBrown failure criterion. <i>Computers and Geotechnics</i> , 2012 , 45, 11-18	4.4	50
8	Damage Identification of Steel Beams Using Local and Global Methods. <i>Advances in Structural Engineering</i> , 2012 , 15, 807-824	1.9	10
7	Integrated health monitoring for reinforced concrete beams: An experimental study. <i>Australian Journal of Mechanical Engineering</i> , 2011 , 8, 207-217	1	9
6	Spectral Element Model Updating for Damage Identification Using Clonal Selection Algorithm. <i>Advances in Structural Engineering</i> , 2011 , 14, 837-856	1.9	16
5	Modelling and Analysis of the Bottom Frames of Multi-Story Masonry Buildings Exposed to Fire. <i>Advanced Materials Research</i> , 2011 , 255-260, 704-708	0.5	
4	Guided wave propagation and spectral element method for debonding damage assessment in RC structures. <i>Journal of Sound and Vibration</i> , 2009 , 324, 751-772	3.9	79
3	Design Earthquake Ground Motion Prediction for Perth Metropolitan Area with Microtremor Measurements for Site Characterization. <i>Journal of Earthquake Engineering</i> , 2009 , 13, 997-1028	1.8	0
2	Condition identification of bolted connections using a virtual viscous damper. <i>Structural Health Monitoring</i> , 147592172110092	4.4	1
1	A baseline-free method for damage identification in pipes from local vibration mode pair frequencies. <i>Structural Health Monitoring</i> , 147592172110523	4.4	