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. *Journal of Civil Structural Health Monitoring*, **2022**, 12, 289	2.9	1
46	Long term effect of operating loads on large monopile-supported offshore wind turbines in sand. *Ocean Engineering*, **2022**, 245, 110404	3.9	20
45	Physical Modelling of Offshore Wind Turbine Foundations for TRL (Technology Readiness Level) Studies. *Journal of Marine Science and Engineering*, **2021**, 9, 589	2.4	10
44	Local vibration mode pairs for damage identification in axisymmetric tubular structures. *Journal of Sound and Vibration*, **2021**, 494, 115845	3.9	5
43	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	
42	Monitoring of transport infrastructure exposed to multiple hazards: a roadmap for building resilience. *Science of the Total Environment*, **2020**, 746, 141001	10.2	31
41	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	1.9	2
40	Support condition monitoring of offshore wind turbines using model updating techniques. *Structural Health Monitoring*, **2020**, 19, 1017-1031	4.4	10
39	SHMnet: Condition assessment of bolted connection with beyond human-level performance. *Structural Health Monitoring*, **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. *Structural Control and Health Monitoring*, **2019**, 26, e2348	4.5	6
37	Ultrasonic Detection Method for Grouted Defects in Grouted Splice Sleeve Connector Based on Wavelet Pack Energy. *Sensors*, **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. *Structural Health Monitoring*, **2019**, 18, 66-86	4.4	11
34	Absolute stress measurement of structural steel members with ultrasonic shear-wave spectral analysis method. *Structural Health Monitoring*, **2019**, 18, 216-231	4.4	15
33	Absolute stress field measurement in structural steel members using the Lcr wave method. *Measurement: Journal of the International Measurement Confederation*, **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. *Journal of Sound and Vibration*, **2018**, 419, 18-32	3.9	7
31	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	4.6	8

30	Effects of climate change on structures; analysis of carbonation-induced corrosion in Reinforced Concrete Structures in Malta. *IOP Conference Series: Materials Science and Engineering*, **2018**, 442, 012023	0.4	2
29	Seismic Performance and Failure Mechanism of Megabraced Frame-Core Tube Structures with Different Brace Patterns. *Advances in Civil Engineering*, **2018**, 2018, 1-23	1.3	
28	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, 1550147718803311	1.7	3
27	An Observer-Based Controller with a LMI-Based Filter against Wind-Induced Motion for High-Rise Buildings. *Shock and Vibration*, **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. *Shock and Vibration*, **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. *Applied Sciences (Switzerland)*, **2017**, 7, 313	2.6	6
24	Metamaterials and Smart Structures in a Big Data Era. *Advances in Materials Science and Engineering* , **2017**, 2017, 1-1	1.5	
23	Influence of axial loads on the health monitoring of concrete structures using embedded piezoelectric transducers. *Structural Health Monitoring*, **2017**, 16, 202-214	4.4	46
22	Rock slope stability analyses using extreme learning neural network and terminal steepest descent algorithm. *Automation in Construction*, **2016**, 65, 42-50	9.6	29
21	Experimental study of damage evolution in cuboid stirrup-confined concrete. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 2857-2870	3.4	5
20	Internal Stress Monitoring of In-Service Structural Steel Members with Ultrasonic Method. *Materials*, **2016**, 9,	3.5	24
19	Experimental Study of Damage Evolution in Circular Stirrup-Confined Concrete. *Materials*, **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. *Construction and Building Materials*, **2016**, 124, 732-745	6.7	6
17	Damage Identification Scheme Based on Compressive Sensing. *Journal of Computing in Civil Engineering*, **2015**, 29, 04014037	5	42
16	Monitoring corrosion of reinforced concrete beams in a chloride containing environment under different loading levels. *Structural Monitoring and Maintenance*, **2015**, 2, 253-267		3
15	Structural damage identification based on self-fitting ARMAX model and multi-sensor data fusion. *Structural Health Monitoring*, **2014**, 13, 445-460	4.4	25
14	Modelling of Guided Wave Propagation with Spectral Element: Application in Structural Engineering. *Applied Mechanics and Materials*, **2014**, 553, 687-692	0.3	29
13	Damage identification of slab‐girder structures: experimental studies. *Journal of Civil Structural Health Monitoring*, **2013**, 3, 93-103	2.9	5

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