Dongsheng Li

List of Publications by Year
in descending order

18 papers	308 citations	933447 10 h-index	888059 17 g-index
19 all docs	19 docs citations	19 times ranked	308 citing authors

#	Article	IF	Citations
1	Monitoring and Failure Analysis of Corroded Bridge Cables under Fatigue Loading Using Acoustic Emission Sensors. Sensors, 2012, 12, 3901-3915.	3.8	47
2	Cluster analysis of stress corrosion mechanisms for steel wires used in bridge cables through acoustic emission particle swarm optimization. Ultrasonics, 2017, 77, 22-31.	3.9	39
3	Load Monitoring of the Pin-Connected Structure Using Time Reversal Technique and Piezoceramic Transducersâ€"A Feasibility Study. IEEE Sensors Journal, 2016, 16, 7958-7966.	4.7	34
4	Corrosion Monitoring and Evaluation of Reinforced Concrete Structures Utilizing the Ultrasonic Guided Wave Technique. International Journal of Distributed Sensor Networks, 2014, 10, 827130.	2.2	30
5	Stress corrosion damage evolution analysis and mechanism identification for prestressed steel strands using acoustic emission technique. Structural Control and Health Monitoring, 2018, 25, e2189.	4.0	28
6	A Kriging Model Based Finite Element Model Updating Method for Damage Detection. Applied Sciences (Switzerland), 2017, 7, 1039.	2.5	25
7	Fracture Mechanism and Damage Evaluation of FRP/Steelâ€"Concrete Hybrid Girder Using Acoustic Emission Technique. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	19
8	Analytical Model for Initial Rotational Stiffness of Steel Beam to Concrete-Filled Steel Tube Column Connections with Bidirectional Bolts. Journal of Structural Engineering, 2018, 144, .	3.4	18
9	Plate-like structure damage location identification based on Lamb wave baseline-free probability imaging method. Advances in Mechanical Engineering, 2017, 9, 168781401668570.	1.6	14
10	Fatigue damage characterization of carbon fiber reinforced polymer bridge cables: Wavelet transform analysis for clustering acoustic emission data. Science China Technological Sciences, 2011, 54, 379-387.	4.0	13
11	Dispersion Analysis of Multiscale Wavelet Finite Element for 2D Elastic Wave Propagation. Journal of Engineering Mechanics - ASCE, 2020, 146, .	2.9	8
12	Interface Separation Detection of Concrete-Filled Steel Tube Using a Distributed Temperature Measuring System. Applied Sciences (Switzerland), 2018, 8, 1653.	2.5	7
13	Safety Risk Recognition Method Based on Abnormal Scenarios. Buildings, 2022, 12, 562.	3.1	7
14	Development of a numerical mooring line model for a floating wind turbine based on the vector form intrinsic finite element method. Ocean Engineering, 2022, 253, 111354.	4.3	6
15	Monitoring of Temperature Fatigue Failure Mechanism for Polyvinyl Alcohol Fiber Concrete Using Acoustic Emission Sensors. Sensors, 2012, 12, 9502-9513.	3.8	5
16	A highâ€frequency feature enhancement network for the surface defect detection of welded rebar. Structural Control and Health Monitoring, 2022, 29, .	4.0	3
17	A Transformer-Based Bridge Structural Response Prediction Framework. Sensors, 2022, 22, 3100.	3.8	2
18	Bayesian dynamic modification of corrosion in a cylindrical rod quantified by guided waves technique. Nondestructive Testing and Evaluation, 2021, 36, 311-335.	2.1	0