Dongming Feng

List of Publications by Year
in descending order

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41 papers	2,331 citations	411340 20 h-index	340414 39 g-index
41 all docs	41 docs citations	41 times ranked	1564 citing authors

#	Article	IF	Citations
1	Shape optimization of concrete free-form shells considering material damage. Engineering Optimization, 2022, 54, 1981-1998.	1.5	5
2	Simultaneous identification of bridge damage and vehicle parameters based on bridge strain responses. Structural Control and Health Monitoring, 2022, 29, .	1.9	8
3	Experimental Investigation and Application Evaluation Case of an Adjustable Height Temporary Support for Bearing Replacement in Large-Tonnage HSR Bridges. Journal of Bridge Engineering, 2022, 27, .	1.4	1
4	Numerical Investigation of the Vibration Performance of Elastically Supported Bridges Under a Moving Vehicle Load Based on Impact Factor. International Journal of Civil Engineering, 2022, 20, 1181-1196.	0.9	2
5	Identification of the scour depth of continuous girder bridges based on model updating and improved genetic algorithm. Advances in Structural Engineering, 2022, 25, 2348-2363.	1.2	6
6	Visionâ€based displacement measurement using an unmanned aerial vehicle. Structural Control and Health Monitoring, 2022, 29, .	1.9	21
7	Seismic Control of a Self-Anchored Suspension Bridge Using Fluid Viscous Dampers. International Journal of Structural Stability and Dynamics, 2021, 21, 2150025.	1.5	8
8	Comparative analysis of typical mathematical modelling methods through model updating of a real-life bridge structure with measured data. Measurement: Journal of the International Measurement Confederation, 2021, 174, 108987.	2.5	7
9	Geometric Attention Regularization Enhancing Convolutional Neural Networks for Bridge Rubber Bearing Damage Assessment. Journal of Performance of Constructed Facilities, 2021, 35, .	1.0	5
10	Seismic Isolation Retrofitting of Typical Multi-Span Steel Girder Bridges in New York State. Transportation Research Record, 2020, 2674, 785-798.	1.0	2
11	Seismic control of a single-tower extradosed railway bridge using the E-Shaped steel damping bearing. Soil Dynamics and Earthquake Engineering, 2020, 136, 106249.	1.9	12
12	Fatigue performance investigation for hangers of suspension bridges based on site-specific vehicle loads. Structural Health Monitoring, 2019, 18, 934-948.	4.3	14
13	Stochastic Natural Vibration Analyses of Free-Form Shells. Applied Sciences (Switzerland), 2019, 9, 3168.	1.3	0
14	Non-stationary turbulent wind field simulation of bridge deck using non-negative matrix factorization. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 188, 235-246.	1.7	22
15	Computer vision for SHM of civil infrastructure: From dynamic response measurement to damage detection â€“ A review. Engineering Structures, 2018, 156, 105-117.	2.6	427
16	Probabilistic Damage Detection of Long-Span Bridges Using Measured Modal Frequencies and Temperature. International Journal of Structural Stability and Dynamics, 2018, 18, 1850126.	1.5	13
17	Statistical analysis of modal parameters of a suspension bridge based on Bayesian spectral density approach and SHM data. Mechanical Systems and Signal Processing, 2018, 98, 352-367.	4.4	30
18	Serviceability assessment for long-span suspension bridge based on deflection measurements. Structural Control and Health Monitoring, 2018, 25, e2254.	1.9	23

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19	Fatigue Reliability Assessment for Orthotropic Steel Decks Based on Long-Term Strain Monitoring. Sensors, 2018, 18, 181.	2.1	14
20	Evaluation of the Wind-Resistant Performance of Long-Span Cable-Stayed Bridge Using the Monitoring Correlation between the Static Cross Wind and Its Displacement Response. Shock and Vibration, 2018, 2018, 1-10.	0.3	1
21	Suspender Replacement for a Signature Bridge. Journal of Bridge Engineering, 2018, 23, .	1.4	19
22	Fatigue Performance of Rib-to-Deck Joints Strengthened with FRP Angles. Journal of Bridge Engineering, 2018, 23, .	1.4	38
23	Experimental validation of cost-effective vision-based structural health monitoring. Mechanical Systems and Signal Processing, 2017, 88, 199-211.	4.4	239
24	Identification of structural stiffness and excitation forces in time domain using noncontact vision-based displacement measurement. Journal of Sound and Vibration, 2017, 406, 15-28.	2.1	99
25	Investigation of the wind-resistant performance of seismic viscous dampers on a cable-stayed bridge. Engineering Structures, 2017, 145, 283-292.	2.6	13
26	Cable tension force estimate using novel noncontact vision-based sensor. Measurement: Journal of the International Measurement Confederation, 2017, 99, 44-52.	2.5	140
27	Hybrid motion sensing and experimental modal analysis using collocated smartphone camera and accelerometers. Measurement Science and Technology, 2017, 28, 105903.	1.4	29
28	Explicit finite element analysis and experimental verification of a sliding lead rubber bearing. Journal of Zhejiang University: Science A, 2017, 18, 363-376.	1.3	24
29	System identification of the suspension tower of Runyang Bridge based on ambient vibration tests. Smart Structures and Systems, 2017, 19, 523-538.	1.9	7
30	Output-only damage detection using vehicle-induced displacement response and mode shape curvature index. Structural Control and Health Monitoring, 2016, 23, 1088-1107.	1.9	85
31	Vision-based multipoint displacement measurement for structural health monitoring. Structural Control and Health Monitoring, 2016, 23, 876-890.	1.9	182
32	Determination of reasonable finished state of self-anchored suspension bridges. Journal of Central South University, 2016, 23, 209-219.	1.2	10
33	Model Updating of Railway Bridge Using In Situ Dynamic Displacement Measurement under Trainloads. Journal of Bridge Engineering, 2015, 20, .	1.4	123
34	Investigation of fatigue performance of welded details in long-span steel bridges using long-term monitoring strain data. Structural Control and Health Monitoring, 2015, 22, 1343-1358.	1.9	49
35	Statistical Regularization for Identification of Structural Parameters and External Loadings Using State Space Models. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 843-858.	6.3	68
36	Citizen Sensors for SHM: Towards a Crowdsourcing Platform. Sensors, 2015, 15, 14591-14614.	2.1	67

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37	A Vision-Based Sensor for Noncontact Structural Displacement Measurement. Sensors, 2015, 15, 16557-16575.	2.1	295
38	Simultaneous identification of bridge structural parameters and vehicle loads. Computers and Structures, 2015, 157, 76-88.	2.4	100
39	Nontarget Vision Sensor for Remote Measurement of Bridge Dynamic Response. Journal of Bridge Engineering, 2015, 20, .	1.4	113
40	Monitoring damage evolution of steel strand using acoustic emission technique and rate process theory. Journal of Central South University, 2014, 21, 3692-3697.	1.2	10
41	Constrained shape optimization of free-form shells considering material creep. Engineering Optimization, 0, , 1-14.	1.5	0