

Yonghui An

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

614
citations

623734

14
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress and future trends on damage identification methods for bridge structures. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2416.	4.0	162
2	A Test Method for Damage Diagnosis of Suspension Bridge Suspender Cables. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015, 30, 771-784.	9.8	51
3	Experimental and numerical studies on model updating method of damage severity identification utilizing four cost functions. <i>Structural Control and Health Monitoring</i> , 2013, 20, 107-120.	4.0	45
4	Dempster's Shafer evidence theory approach to structural damage detection. <i>Structural Health Monitoring</i> , 2012, 11, 13-26.	7.5	40
5	Experimental and numerical studies on damage localization of simply supported beams based on curvature difference probability method of waveform fractal dimension. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 415-426.	2.5	39
6	Axial Strain Accelerations Approach for Damage Localization in Statically Determinate Truss Structures. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017, 32, 304-318.	9.8	23
7	Experimental and numerical studies on galloping of the flat-topped main cables for the long span suspension bridge during construction. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017, 163, 24-32.	3.9	22
8	Vibration Mitigation of Suspension Bridge Suspender Cables Using a Ring-Shaped Tuned Liquid Damper. <i>Journal of Bridge Engineering</i> , 2019, 24, .	2.9	22
9	A degree of dispersion-based damage localization method. <i>Structural Control and Health Monitoring</i> , 2016, 23, 176-192.	4.0	21
10	Structural Damage Localization and Quantification Based on Additional Virtual Masses and Bayesian Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 2018, 144, 04018097.	2.9	20
11	Analytical Model for Initial Rotational Stiffness of Steel Beam to Concrete-Filled Steel Tube Column Connections with Bidirectional Bolts. <i>Journal of Structural Engineering</i> , 2018, 144, .	3.4	18
12	Galloping of steeped main cables in long-span suspension bridges during construction. <i>Wind and Structures, an International Journal</i> , 2016, 23, 595-613.	0.8	18
13	A damage localization method based on the "jerk energy". <i>Smart Materials and Structures</i> , 2014, 23, 025020.	3.5	16
14	A signal energy change-based damage localization approach for beam structures. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 48, 208-219.	5.0	15
15	An algorithm for damage localization in steel truss structures: Numerical simulation and experimental validation. <i>Journal of Intelligent Material Systems and Structures</i> , 2013, 24, 1683-1698.	2.5	13
16	Fast Warning Method for Rigid Hangers in a High-Speed Railway Arch Bridge Using Long-Term Monitoring Data. <i>Journal of Performance of Constructed Facilities</i> , 2017, 31, .	2.0	13
17	Rank-revealing QR decomposition applied to damage localization in truss structures. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1849.	4.0	12
18	Analytical model of moment-rotation relation for steel beam to CFST column connections with bidirectional bolts. <i>Engineering Structures</i> , 2019, 196, 109374.	5.3	11

#	ARTICLE	IF	CITATIONS
19	Real-time fast damage detection of shear structures with random base excitation. Measurement: Journal of the International Measurement Confederation, 2015, 74, 92-102.	5.0	10
20	Experimental and numerical studies on a test method for damage diagnosis of stay cables. Advances in Structural Engineering, 2017, 20, 245-256.	2.4	10
21	Stochastic DLV method for steel truss structures: simulation and experiment. Smart Structures and Systems, 2014, 14, 105-128.	1.9	10
22	Field monitoring of the train-induced hanger vibration in a high-speed railway steel arch bridge. Smart Structures and Systems, 2016, 17, 1107-1127.	1.9	7
23	Scour depth evaluation of highway bridge piers using vibration measurements and finite element model updating. Engineering Structures, 2022, 253, 113815.	5.3	7
24	Structural damage localisation for a frame structure from changes in curvature of approximate entropy feature vectors. Nondestructive Testing and Evaluation, 2014, 29, 80-97.	2.1	5
25	Numerical study on damage identification using fractal theory and curvature method. , 2011, , .		2
26	Numerical studies on a novel damage localization feature of cantilever beams using standard deviation and curvature method. , 2012, , .		1
27	Integrated Fatigue Life Evaluation Method for Members in Riveted Steel Truss Bridges. Journal of Performance of Constructed Facilities, 2021, 35, .	2.0	1
28	A study on building an experimental system of PVDF sensor for structural local monitoring on a bridge model. Proceedings of SPIE, 2010, , .	0.8	0
29	Aerostatic Performance Improvement Based on a Novel Aerodynamic Countermeasure: Simulation and Wind Tunnel Test. Journal of Structural Engineering, 2022, 148, .	3.4	0
30	Theoretical models of key parameters for performance-based seismic design of new partially connected steel plate shear wall with vertical square tube stiffeners. Earthquake Engineering and Structural Dynamics, 2022, 51, 1267-1291.	4.4	0