

List of Publications by Citations

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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.

29 papers	569 citations	14 h-index	23 g-index
32 ext. papers	657 ext. citations	4.1 avg, IF	4.42 L-index

#	Paper	IF	Citations
29	Vibration-based damage detection for structural connections using incomplete modal data by Bayesian approach and model reduction technique. <i>Engineering Structures</i> , 2017 , 132, 260-277	4.7	70
28	A Bayesian Probabilistic Approach for Crack Characterization in Plate Structures. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2010 , 25, 375-386	8.4	67
27	Dynamic reduction-based structural damage detection of transmission tower utilizing ambient vibration data. <i>Engineering Structures</i> , 2009 , 31, 2009-2019	4.7	58
26	Optimal sensor configuration of a typical transmission tower for the purpose of structural model updating. <i>Structural Control and Health Monitoring</i> , 2011 , 18, 305-320	4.5	47
25	Dynamic reduction-based structural damage detection of transmission towers: Practical issues and experimental verification. <i>Engineering Structures</i> , 2011 , 33, 1459-1478	4.7	38
24	Entropy-Based Optimal Sensor Placement for Model Identification of Periodic Structures Endowed with Bolted Joints. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017 , 32, 1007-1024	8.4	33
23	Statistical detection of multiple cracks on thin plates utilizing dynamic response. <i>Engineering Structures</i> , 2010 , 32, 3145-3152	4.7	31
22	Application of two-dimensional spatial wavelet transform in the detection of an obstructed crack on a thin plate. <i>Structural Control and Health Monitoring</i> , 2012 , 19, 260-277	4.5	22
21	Damage Identification in Frame Structures Based on FE Model Updating. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2010 , 132,	1.6	22
20	A back-analysis method using an intelligent multi-objective optimization for predicting slope deformation induced by excavation. <i>Engineering Geology</i> , 2018 , 239, 214-228	6	21
19	An efficient algorithm for architecture design of Bayesian neural network in structural model updating. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020 , 35, 354-372	8.4	18
18	Probabilistic Damage Detection of a Steel Truss Bridge Model by Optimally Designed Bayesian Neural Network. <i>Sensors</i> , 2018 , 18,	3.8	18
17	Wave propagation in a periodic elastic-piezoelectric axial-bending coupled beam. <i>Journal of Sound and Vibration</i> , 2013 , 332, 6377-6388	3.9	17
16	Noise analysis for sensitivity-based structural damage detection. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2007 , 28, 741-750	3.2	17
15	Dynamic Analysis of Finite-Length Circular Cylindrical Shells with a Circumferential Surface Crack. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 1419-1434	2.4	14
14	Damage Identification of Periodically-Supported Structures Following the Bayesian Probabilistic Approach. <i>International Journal of Structural Stability and Dynamics</i> , 2019 , 19, 1940011	1.9	13
13	Flexural wave propagation and localization in periodic jointed tunnels subjected to moving loads. <i>JVC/Journal of Vibration and Control</i> , 2016 , 22, 2788-2804	2	12

12	A probabilistic approach for the detection of bolt loosening in periodically supported structures endowed with bolted flange joints. <i>Mechanical Systems and Signal Processing</i> , 2019 , 128, 588-616	7.8	9
11	Model selection for dynamic reduction-based structural health monitoring following the Bayesian evidence approach. <i>Mechanical Systems and Signal Processing</i> , 2019 , 127, 306-327	7.8	8
10	Wave Propagation and Localization in a Randomly Disordered Periodic Piezoelectric Axial-Bending Coupled Beam. <i>Advances in Structural Engineering</i> , 2013 , 16, 1513-1522	1.9	8
9	Vibration Analysis of a Rectangular Thin Plate with Two Parallel Cracks. <i>Advances in Structural Engineering</i> , 2010 , 13, 741-753	1.9	8
8	Statistical detection of structural damage based on model reduction. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2009 , 30, 875-888	3.2	6
7	A New Solution Method for Vibration Analysis of Circular Cylindrical Thin Shells with a Circumferential Surface Crack. <i>Advanced Materials Research</i> , 2013 , 639-640, 1003-1009	0.5	4
6	Selection of masters in dynamic reduction-based structural health monitoring using Bayesian experimental design. <i>Mechanical Systems and Signal Processing</i> , 2021 , 150, 107294	7.8	3
5	Optimal Tilt Sensor Configuration of Urban Subway Shield Tunnel Structure 2014 ,		1
4	Sensor placement for model identification of multi-story buildings under unknown earthquake ground motion. <i>Engineering Structures</i> , 2022 , 251, 113548	4.7	1
3	A Practical Bayesian Framework for Structural Model Updating and Prediction. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2022 , 8,	1.7	1
2	Optimal sensor configuration for structural response prediction by a modified Nelder-Mead simplex method. <i>Structural Control and Health Monitoring</i> , 2021 , 28, e2712	4.5	1
1	Optimal Sensor Configuration for Bridge Structures Following a Probabilistic Approach. <i>Advanced Materials Research</i> , 2012 , 594-597, 1098-1104	0.5	