Mehrisadat Makki Alamdari

List of Publications by Year
in descending order

38 papers	905 citations	430874 18 h-index	477307 29 g-index
38 all docs	38 docs citations	38 times ranked	775 citing authors

#	Article	IF	Citations
1	A clustering approach for structural health monitoring on bridges. Journal of Civil Structural Health Monitoring, 2016, 6, 429-445.	3.9	103
2	A spectral-based clustering for structural health monitoring of the Sydney Harbour Bridge. Mechanical Systems and Signal Processing, 2017, 87, 384-400.	8.0	83
3	Evaluation of barely visible indentation damage (BVID) in CF/EP sandwich composites using guided wave signals. Mechanical Systems and Signal Processing, 2016, 76-77, 497-517.	8.0	79
4	Damage diagnosis in bridge structures using rotation influence line: Validation on a cable-stayed bridge. Engineering Structures, 2019, 185, 1-14.	5.3	59
5	Automated Operational Modal Analysis of a Cable-Stayed Bridge. Journal of Bridge Engineering, 2017, 22, 05017012.	2.9	57
6	A multi-way data analysis approach for structural health monitoring of a cable-stayed bridge. Structural Health Monitoring, 2019, 18, 35-48.	7.5	47
7	Non-intrusive schemes for speed and axle identification in bridge-weigh-in-motion systems. Measurement Science and Technology, 2017, 28, 025102.	2.6	36
8	Vibration behaviour of steel-timber composite floors, part (1): Experimental & numerical investigation. Journal of Constructional Steel Research, 2019, 161, 244-257.	3.9	34
9	FRF-based damage localization method with noise suppression approach. Journal of Sound and Vibration, 2014, 333, 3305-3320.	3.9	32
10	Damage identification using 2-D discrete wavelet transform on extended operational mode shapes. Archives of Civil and Mechanical Engineering, 2015, 15, 698-710.	3.8	32
11	A Tensor-Based Structural Damage Identification and Severity Assessment. Sensors, 2018, 18, 111.	3.8	32
12	Automated algorithm for impact force identification using cosine similarity searching. Measurement: Journal of the International Measurement Confederation, 2018, 122, 648-657.	5.0	23
13	Damage localization based on symbolic time series analysis. Structural Control and Health Monitoring, 2015, 22, 374-393.	4.0	21
14	Smart pothole detection system using vehicle-mounted sensors and machine learning. Journal of Civil Structural Health Monitoring, 2019, 9, 91-102.	3.9	21
15	Non-contact structural health monitoring of a cable-stayed bridge: case study. Structure and Infrastructure Engineering, 2019, 15, 1119-1136.	3.7	20
16	Spectral-Based Damage Identification in Structures under Ambient Vibration. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	19
17	Cepstrum-based damage identification in structures with progressive damage. Structural Health Monitoring, 2019, 18, 87-102.	7.5	19
18	Nonlinear Joint Model Updating in Assembled Structures. Journal of Engineering Mechanics - ASCE, 2014, 140, .	2.9	18

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19	Frequency domain decomposition-based multisensor data fusion for assessment of progressive damage in structures. Structural Control and Health Monitoring, 2019, 26, e2299.	4.0	18
20	Symbolic dynamics time series analysis for assessment of barely visible indentation damage in composite sandwich structures based on guided waves. Journal of Composite Materials, 2017, 51, 4129-4143.	2.4	15
21	Adaptive Online One-Class Support Vector Machines with Applications in Structural Health Monitoring. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-20.	4.5	15
22	Adaptive One-Class Support Vector Machine for Damage Detection in Structural Health Monitoring. Lecture Notes in Computer Science, 2017, , 42-57.	1.3	14
23	Nothing-on-Road Axle Detection Strategies in Bridge-Weigh-in-Motion for a Cable-Stayed Bridge: Case Study. Journal of Bridge Engineering, 2018, 23, .	2.9	13
24	Self-advised Incremental One-Class Support Vector Machines: An Application in Structural Health Monitoring. Lecture Notes in Computer Science, 2017, , 484-496.	1.3	13
25	Structural Health Monitoring Using Machine Learning Techniques and Domain Knowledge Based Features. Human-computer Interaction Series, 2018, , 409-435.	0.6	12
26	Shape optimization of piezoelectric energy harvesters of variable thickness. Journal of Sound and Vibration, 2022, 517, 116503.	3.9	10
27	Structural condition assessment using entropy-based time series analysis. Journal of Intelligent Material Systems and Structures, 2017, 28, 1941-1956.	2.5	9
28	On Structural Health Monitoring Using Tensor Analysis and Support Vector Machine with Artificial Negative Data. , 2016, , .		9
29	Semi-active storey isolation system employing MRE isolator with parameter identification based on NSGA-II with DCD. Earthquake and Structures, 2016, 11, 1101-1121.	1.0	9
30	Concurrent Identification of Impact Location and Force Magnitude on a Composite Panel. International Journal of Structural Stability and Dynamics, 2020, 20, 2042004.	2.4	7
31	Field test investigations for condition monitoring of a concrete culvert bridge using vibration responses. Structural Control and Health Monitoring, 2020, 27, e2614.	4.0	7
32	FRF Sensitivity-Based Damage Identification Using Linkage Modeling for Limited Sensor Arrays. International Journal of Structural Stability and Dynamics, 2018, 18, 1840002.	2.4	6
33	Assessment of the Accuracy Among the Common Persistent Scatterer and Distributed Scatterer Based on SqueeSAR Method. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1877-1881.	3.1	5
34	Damage Localisation Using Symbolic Time Series Approach. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 109-115.	0.5	3
35	Application of unsupervised support vector machine for condition assessment of concrete structures. , 2015, , .		3
36	Damage Detection and Localization for Indirect Bridge Monitoring Exploiting Adversarial Autoencoder and Wavelet Transform. Lecture Notes in Civil Engineering, 2023, , 657-667.	0.4	2

#	Article	IF	Citations
37	A Novel FRF-Based Damage Localisation Method Using Random Vibration. Applied Mechanics and Materials, 2014, 553, 713-718.	0.2	0
38	Guided-Wave-Based Damage Detection in Steel Pipes. Lecture Notes in Civil Engineering, 2020, , 689-701.	0.4	0