

Osama Abdeljaber

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

981
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

717
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of vibration-based damage detection in civil structures: From traditional methods to Machine Learning and Deep Learning applications. <i>Mechanical Systems and Signal Processing</i> , 2021, 147, 107077.	8.0	569
2	Active vibration control of flexible cantilever plates using piezoelectric materials and artificial neural networks. <i>Journal of Sound and Vibration</i> , 2016, 363, 33-53.	3.9	118
3	Fault Detection and Severity Identification of Ball Bearings by Online Condition Monitoring. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 8136-8147.	7.9	87
4	Optimization of chiral lattice based metastructures for broadband vibration suppression using genetic algorithms. <i>Journal of Sound and Vibration</i> , 2016, 369, 50-62.	3.9	49
5	Nonparametric Structural Damage Detection Algorithm for Ambient Vibration Response: Utilizing Artificial Neural Networks and Self-Organizing Maps. <i>Journal of Architectural Engineering</i> , 2016, 22, .	1.6	40
6	Self-Organizing Maps for Structural Damage Detection: A Novel Unsupervised Vibration-Based Algorithm. <i>Journal of Performance of Constructed Facilities</i> , 2016, 30, .	2.0	36
7	Optimization of linear zigzag insert metastructures for low-frequency vibration attenuation using genetic algorithms. <i>Mechanical Systems and Signal Processing</i> , 2017, 84, 625-641.	8.0	25
8	Recent Issues on Stadium Monitoring and Serviceability: A Review. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 411-416.	0.5	18
9	Quantification of Structural Damage with Self-Organizing Maps. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 47-57.	0.5	16
10	A methodological approach towards evaluating structural damage severity using 1D CNNs. <i>Structures</i> , 2021, 34, 4435-4446.	3.6	14
11	Determination of pith location along Norway spruce timber boards using one dimensional convolutional neural networks trained on virtual timber boards. <i>Construction and Building Materials</i> , 2022, 329, 127129.	7.2	7
12	Genetic Algorithm use for Internally Resonating Lattice Optimization: Case of a Beam-Like Metastructure. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 289-295.	0.5	2