

# Osama Abdeljaber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7434874/publications.pdf>

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