

Abdollah Bagheri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/35549/publications.pdf>

Version: 2024-02-01

35
papers

608
citations

623734

14
h-index

610901

24
g-index

35
all docs

35
docs citations

35
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural system identification based on variational mode decomposition. <i>Journal of Sound and Vibration</i> , 2018, 417, 182-197.	3.9	79
2	Reference-free damage detection by means of wavelet transform and empirical mode decomposition applied to Lamb waves. <i>Journal of Intelligent Material Systems and Structures</i> , 2013, 24, 194-208.	2.5	60
3	Generation of Multiple Earthquake Accelerograms Compatible with Spectrum Via the Wavelet Packet Transform and Stochastic Neural Networks. <i>Journal of Earthquake Engineering</i> , 2009, 13, 899-915.	2.5	39
4	Structural damage detection based on incomplete modal data using pattern search algorithm. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 821-833.	2.6	32
5	Damage detection in plates based on pattern search and Genetic algorithms. <i>Smart Structures and Systems</i> , 2011, 7, 117-132.	1.9	32
6	Vibration-based damage identification of plate structures via curvelet transform. <i>Journal of Sound and Vibration</i> , 2009, 327, 593-603.	3.9	30
7	Structural damage detection using incomplete modal data and incomplete static response. <i>KSCE Journal of Civil Engineering</i> , 2013, 17, 216-223.	1.9	29
8	Structural damage identification of plates based on modal data using 2D discrete wavelet transform. <i>Structural Engineering and Mechanics</i> , 2011, 40, 13-28.	1.0	29
9	A flexibility-based method via the iterated improved reduction system and the cuckoo optimization algorithm for damage quantification with limited sensors. <i>Smart Materials and Structures</i> , 2014, 23, 045019.	3.5	22
10	Determination of the Neutral Temperature of Slender Beams by Using Nonlinear Solitary Waves. <i>Journal of Engineering Mechanics - ASCE</i> , 2015, 141, .	2.9	22
11	Detection and Estimation of Damage in Structures Using Imperialist Competitive Algorithm. <i>Shock and Vibration</i> , 2012, 19, 405-419.	0.6	20
12	Damage prognosis by means of modal residual force and static deflections obtained by modal flexibility based on the diagonalization method. <i>Smart Materials and Structures</i> , 2013, 22, 075032.	3.5	17
13	Outlier Analysis and Artificial Neural Network for the Noncontact Nondestructive Evaluation of Immersed Plates. <i>Research in Nondestructive Evaluation</i> , 2015, 26, 154-173.	1.1	15
14	A numerical study on the optimization of a granular medium to infer the axial stress in slender structures. <i>Mechanics of Advanced Materials and Structures</i> , 2016, 23, 1131-1143.	2.6	15
15	Time domain damage localization and quantification in seismically excited structures using a limited number of sensors. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 2942-2961.	2.6	15
16	New method for generation of artificial ground motion by a nonstationary Kanai-Tajimi model and wavelet transform. <i>Structural Engineering and Mechanics</i> , 2007, 26, 709-723.	1.0	15
17	Empirical mode decomposition and neural network for the classification of electroretinographic data. <i>Medical and Biological Engineering and Computing</i> , 2014, 52, 619-628.	2.8	14
18	A parametric study on the optimization of a metamaterial-based energy harvester. <i>Smart Materials and Structures</i> , 2015, 24, 115019.	3.5	14

#	ARTICLE	IF	CITATIONS
19	Damage detection and denoising in two-dimensional structures using curvelet transform by wrapping method. <i>Archive of Applied Mechanics</i> , 2011, 81, 1915-1924.	2.2	13
20	On the coupling dynamics between thermally stressed beams and granular chains. <i>Archive of Applied Mechanics</i> , 2016, 86, 541-556.	2.2	13
21	Ultrasonic imaging algorithm for the health monitoring of pipes. <i>Journal of Civil Structural Health Monitoring</i> , 2017, 7, 99-121.	3.9	12
22	GENERATION OF UNIFORM HAZARD EARTHQUAKE ACCELEROGRAMS AND NEAR-FIELD GROUND MOTIONS. <i>Journal of Earthquake and Tsunami</i> , 2012, 06, 1250013.	1.3	10
23	A nondestructive method for load rating of bridges without structural properties and plans. <i>Engineering Structures</i> , 2018, 171, 545-556.	5.3	10
24	Control of structures under uniform hazard earthquake excitation via wavelet analysis and pattern search method. <i>Structural Control and Health Monitoring</i> , 2013, 20, 671-685.	4.0	7
25	Guided ultrasonic wave testing of an immersed plate with hidden defects. <i>Optical Engineering</i> , 2015, 55, 011003.	1.0	6
26	Identification of Flexural Rigidity in Bridges with Limited Structural Information. <i>Journal of Structural Engineering</i> , 2018, 144, .	3.4	6
27	Estimation of spectral acceleration based on neural networks. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2014, 167, 457-468.	0.8	5
28	Guided Ultrasonic Wave Imaging for Immersed Plates Based on Wavelet Transform and Probabilistic Analysis. <i>Research in Nondestructive Evaluation</i> , 2014, 25, 63-81.	1.1	5
29	Optimal control of structures under earthquake excitation based on the colonial competitive algorithm. <i>Structural Design of Tall and Special Buildings</i> , 2014, 23, 500-511.	1.9	5
30	Assessing the pressure of tennis balls using nonlinear solitary waves: a numerical study. <i>Sports Engineering</i> , 2017, 20, 53-62.	1.1	5
31	Signal processing for the inspection of immersed structures. <i>Proceedings of SPIE</i> , 2013, , .	0.8	4
32	SIMULATION OF EARTHQUAKE RECORDS BY MEANS OF EMPIRICAL MODE DECOMPOSITION AND HILBERT SPECTRAL ANALYSIS. <i>Journal of Earthquake and Tsunami</i> , 2014, 08, 1450002.	1.3	3
33	A hybrid experimental-numerical approach for load rating of reinforced concrete bridges with insufficient structural properties. <i>Structure and Infrastructure Engineering</i> , 2019, 15, 754-770.	3.7	3
34	New method for the estimation of strong ground motions based on the colonial competitive algorithm. <i>KSCE Journal of Civil Engineering</i> , 2014, 18, 1403-1410.	1.9	2
35	On the processing of leaky guided waves propagating in immersed plates. , 2014, , .		0