Abdollah Bagheri

List of Publications by Year
in descending order

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	A hybrid experimental-numerical approach for load rating of reinforced concrete bridges with insufficient structural properties. Structure and Infrastructure Engineering, 2019, 15, 754-770.	3.7	3
2	Structural system identification based on variational mode decomposition. Journal of Sound and Vibration, 2018, 417, 182-197.	3.9	79
3	Identification of Flexural Rigidity in Bridges with Limited Structural Information. Journal of Structural Engineering, 2018, 144, .	3.4	6
4	A nondestructive method for load rating of bridges without structural properties and plans. Engineering Structures, 2018, 171, 545-556.	5.3	10
5	Time domain damage localization and quantification in seismically excited structures using a limited number of sensors. JVC/Journal of Vibration and Control, 2017, 23, 2942-2961.	2.6	15
6	Ultrasonic imaging algorithm for the health monitoring of pipes. Journal of Civil Structural Health Monitoring, 2017, 7, 99-121.	3.9	12
7	Assessing the pressure of tennis balls using nonlinear solitary waves: a numerical study. Sports Engineering, 2017, 20, 53-62.	1.1	5
8	On the coupling dynamics between thermally stressed beams and granular chains. Archive of Applied Mechanics, 2016, 86, 541-556.	2.2	13
9	A numerical study on the optimization of a granular medium to infer the axial stress in slender structures. Mechanics of Advanced Materials and Structures, 2016, 23, 1131-1143.	2.6	15
10	A parametric study on the optimization of a metamaterial-based energy harvester. Smart Materials and Structures, 2015, 24, 115019.	3.5	14
11	Determination of the Neutral Temperature of Slender Beams by Using Nonlinear Solitary Waves. Journal of Engineering Mechanics - ASCE, 2015, 141, .	2.9	22
12	Outlier Analysis and Artificial Neural Network for the Noncontact Nondestructive Evaluation of Immersed Plates. Research in Nondestructive Evaluation, 2015, 26, 154-173.	1.1	15
13	Guided ultrasonic wave testing of an immersed plate with hidden defects. Optical Engineering, 2015, 55, 011003.	1.0	6
14	SIMULATION OF EARTHQUAKE RECORDS BY MEANS OF EMPIRICAL MODE DECOMPOSITION AND HILBERT SPECTRAL ANALYSIS. Journal of Earthquake and Tsunami, 2014, 08, 1450002.	1.3	3
15	Estimation of spectral acceleration based on neural networks. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2014, 167, 457-468.	0.8	5
16	On the processing of leaky guided waves propagating in immersed plates. , 2014, , .		0
17	Guided Ultrasonic Wave Imaging for Immersed Plates Based on Wavelet Transform and Probabilistic Analysis. Research in Nondestructive Evaluation, 2014, 25, 63-81.	1.1	5
18	Empirical mode decomposition and neural network for the classification of electroretinographic data. Medical and Biological Engineering and Computing, 2014, 52, 619-628.	2.8	14

#	Article	IF	Citations
19	New method for the estimation of strong ground motions based on the colonial competitive algorithm. KSCE Journal of Civil Engineering, 2014, 18, 1403-1410.	1.9	2
20	A flexibility-based method via the iterated improved reduction system and the cuckoo optimization algorithm for damage quantification with limited sensors. Smart Materials and Structures, 2014, 23, 045019.	3.5	22
21	Optimal control of structures under earthquake excitation based on the colonial competitive algorithm. Structural Design of Tall and Special Buildings, 2014, 23, 500-511.	1.9	5
22	Control of structures under uniform hazard earthquake excitation via wavelet analysis and pattern search method. Structural Control and Health Monitoring, 2013, 20, 671-685.	4.0	7
23	Damage prognosis by means of modal residual force and static deflections obtained by modal flexibility based on the diagonalization method. Smart Materials and Structures, 2013, 22, 075032.	3.5	17
24	Structural damage detection based on incomplete modal data using pattern search algorithm. JVC/Journal of Vibration and Control, 2013, 19, 821-833.	2.6	32
25	Structural damage detection using incomplete modal data and incomplete static response. KSCE Journal of Civil Engineering, 2013, 17, 216-223.	1.9	29
26	Reference-free damage detection by means of wavelet transform and empirical mode decomposition applied to Lamb waves. Journal of Intelligent Material Systems and Structures, 2013, 24, 194-208.	2.5	60
27	Signal processing for the inspection of immersed structures. Proceedings of SPIE, 2013, , .	0.8	4
28	GENERATION OF UNIFORM HAZARD EARTHQUAKE ACCELEROGRAMS AND NEAR-FIELD GROUND MOTIONS. Journal of Earthquake and Tsunami, 2012, 06, 1250013.	1.3	10
29	Detection and Estimation of Damage in Structures Using Imperialist Competitive Algorithm. Shock and Vibration, 2012, 19, 405-419.	0.6	20
30	Damage detection and denoising in two-dimensional structures using curvelet transform by wrapping method. Archive of Applied Mechanics, 2011, 81, 1915-1924.	2.2	13
31	Structural damage identification of plates based on modal data using 2D discrete wavelet transform. Structural Engineering and Mechanics, 2011, 40, 13-28.	1.0	29
32	Damage detection in plates based on pattern search and Genetic algorithms. Smart Structures and Systems, 2011, 7, 117-132.	1.9	32
33	Vibration-based damage identification of plate structures via curvelet transform. Journal of Sound and Vibration, 2009, 327, 593-603.	3.9	30
34	Generation of Multiple Earthquake Accelerograms Compatible with Spectrum Via the Wavelet Packet Transform and Stochastic Neural Networks. Journal of Earthquake Engineering, 2009, 13, 899-915.	2.5	39
35	New method for generation of artificial ground motion by a nonstationary Kanai-Tajimi model and wavelet transform. Structural Engineering and Mechanics, 2007, 26, 709-723.	1.0	15