Fereidoun Amini

List of Publications by Year
in descending order

44 papers	626 citations	687363 13 h-index	610901 24 g-index
44 all docs	44 docs citations	44 times ranked	502 citing authors

#	Article	IF	Citations
1	Structural system identification via synchronization technique and fuzzy logic. Mathematics and Computers in Simulation, 2023, 203, 174-188.	4.4	5
2	Online parameter estimation and adaptive control with limited information in structures. JVC/Journal of Vibration and Control, 2022, 28, 2717-2731.	2.6	2
3	Compressive sensingâ€based data loss recovery in the feedback channel of the structural vibration control systems. Structural Control and Health Monitoring, 2022, 29, .	4.0	2
4	Online identification of torsionally coupled shear buildings using virtual synchronization method. JVC/Journal of Vibration and Control, 2021, 27, 556-572.	2.6	2
5	Exploiting the inter-correlation of structural vibration signals for data loss recovery: A distributed compressive sensing based approach. Mechanical Systems and Signal Processing, 2021, 152, 107473.	8.0	13
6	Simultaneous Online Damage Detection and Vibration Control of Structures Using Synchronization and Semi-Active Control. International Journal of Structural Stability and Dynamics, 2021, 21, 2150038.	2.4	1
7	Effects of geometrical nonlinearity on the performance of bidirectional tuned mass dampers. Earthquake Engineering and Structural Dynamics, 2021, 50, 3220-3242.	4.4	6
8	Adaptive control of damaged structures by using smart tunable liquid column gas damper considering dynamic soilâ€“structure interaction. Advances in Structural Engineering, 2021, 24, 3739-3758.	2.4	0
9	Determining the number of measurements for compressive sensing of traffic-induced vibration data. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107259.	5.0	15
10	Improved synchronization-based approach for online damage detection of civil structures. Engineering With Computers, 2020, , 1.	6.1	0
11	A Parametric Study of Wave Energy Converter Layouts in Real Wave Models. Energies, 2020, 13, 6095.	3.1	18
12	Effect of inertia nonlinearity on dynamic response of an asymmetric building equipped with tuned mass dampers. Earthquake Engineering and Engineering Vibration, 2020, 19, 499-513.	2.3	5
13	A new method for online identification of civil structures: Virtual synchronization. International Journal of Adaptive Control and Signal Processing, 2019, 33, 16-38.	4.1	10
14	Impacts of soil-structure interaction on the structural control of nonlinear systems using adaptive control approach. Engineering Structures, 2018, 157, 1-13.	5.3	21
15	Adaptive modal identification of structures with equivariant adaptive separation via independence approach. Journal of Sound and Vibration, 2018, 413, 66-78.	3.9	9
16	Performance evaluation of phaseâ€controlled semiactive resettable TMD (PCRTMD) with the stiffness retuning ability under strong seismic motions. Structural Design of Tall and Special Buildings, 2018, 27, e1502.	1.9	2
17	Adaptive block backstepping control for civil structures with unknown parameters subjected to seismic excitation. Structural Control and Health Monitoring, 2017, 24, e1875.	4.0	14
18	Decentralized Control of Uncertain Structures Using Luenberger Observer. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2017, 27, 127-133.	0.8	4

#	Article	IF	Citations
19	A novel online damage detection approach in bilinear chain-like structures. Journal of Civil Structural Health Monitoring, 2017, 7, 245-261.	3.9	4
20	Luenberger observer application in decentralised control of civil structures. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2017, 170, 765-773.	0.8	1
21	Optimized and decentralized pulse control of seismically excited steel structures. International Journal of Steel Structures, 2017, 17, 631-642.	1.3	2
22	Effect of Steel Fiber and Different Environments on Flexural Behavior of Reinforced Concrete Beams. Applied Sciences (Switzerland), 2017, 7, 1011.	2.5	15
23	Underdetermined blind modal identification of structures by earthquake and ambient vibration measurements via sparse component analysis. Journal of Sound and Vibration, 2016, 366, 117-132.	3.9	51
24	Developing a smart structure using integrated DDA/ISMP and semi-active variable stiffness device. Smart Structures and Systems, 2016, 18, 955-982.	1.9	7
25	Application of simple adaptive control to an MR damper-based control system for seismically excited nonlinear buildings. Smart Structures and Systems, 2016, 18, 1251-1267.	1.9	11
26	Semi-active control of isolated and damaged structures using online damage detection. Smart Materials and Structures, 2015, 24, 105002.	3.5	24
27	Optimal control of steel structures by improved particle swarm. International Journal of Steel Structures, 2014, 14, 223-230.	1.3	8
28	A Waveletâ€Based Adaptive Pole Assignment Method for Structural Control. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 464-477.	9.8	45
29	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
30	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
31	Seismic motion control of structures: A developed adaptive backstepping approach. Computers and Structures, 2013, 114-115, 18-25.	4.4	9
32	Hybridization of Harmony Search and Ant Colony Optimization for optimal locating of structural dampers. Applied Soft Computing Journal, 2013, 13, 2272-2280.	7.2	53
33	Wavelet PSOâ€Based LQR Algorithm for Optimal Structural Control Using Active Tuned Mass Dampers. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 542-557.	9.8	106
34	Non-linear dynamics of asymmetric structures under 2:2:1 resonance. International Journal of Non-Linear Mechanics, 2012, 47, 823-835.	2.6	6
35	Decreasing the damage in smart structures using integrated online DDA/ISMP and semi-active control. Smart Materials and Structures, 2012, 21, 105017.	3.5	21
36	Optimal locations for MR dampers in civil structures using improved Ant Colony algorithm. Optimal Control Applications and Methods, 2012, 33, 232-248.	2.1	12

#	Article	IF	Citations
37	Saturation in asymmetric structures under internal resonance. Acta Mechanica, 2011, 221, 353-368.	2.1	5
38	Embedment effects of flexible foundations on control of structures. Soil Dynamics and Earthquake Engineering, 2011, 31, 1081-1093.	3.8	3
39	Damage detection using a new regularization method with variable parameter. Archive of Applied Mechanics, 2010, 80, 255-269.	2.2	6
40	Control of a building complex with Magneto-Rheological Dampers and Tuned Mass Damper. Structural Engineering and Mechanics, 2010, 36, 181-195.	1.0	18
41	Fuzzy Optimal Control of Uncertain Dynamic Characteristics in Tall Buildings Subjected to Seismic Excitation. JVC/Journal of Vibration and Control, 2008, 14, 1843-1867.	2.6	33
42	Optimizing Structural Active Control Force Using the Exterior Penalty Function Method. AIP Conference Proceedings, 2008, , .	0.4	0
43	Optimal structural active control force, number and placement of controllers. Engineering Structures, 2005, 27, 1306-1316.	5.3	32
44	Vibration control of tall buildings. Engineering Structures, 1983, 5, 282-288.	5.3	13