

Fereidoun Amini

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Wavelet PSO-Based LQR Algorithm for Optimal Structural Control Using Active Tuned Mass Dampers. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013, 28, 542-557.	9.8	106
2	Hybridization of Harmony Search and Ant Colony Optimization for optimal locating of structural dampers. <i>Applied Soft Computing Journal</i> , 2013, 13, 2272-2280.	7.2	53
3	Underdetermined blind modal identification of structures by earthquake and ambient vibration measurements via sparse component analysis. <i>Journal of Sound and Vibration</i> , 2016, 366, 117-132.	3.9	51
4	A Wavelet-Based Adaptive Pole Assignment Method for Structural Control. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014, 29, 464-477.	9.8	45
5	Fuzzy Optimal Control of Uncertain Dynamic Characteristics in Tall Buildings Subjected to Seismic Excitation. <i>JVC/Journal of Vibration and Control</i> , 2008, 14, 1843-1867.	2.6	33
6	Optimal structural active control force, number and placement of controllers. <i>Engineering Structures</i> , 2005, 27, 1306-1316.	5.3	32
7	Semi-active control of isolated and damaged structures using online damage detection. <i>Smart Materials and Structures</i> , 2015, 24, 105002.	3.5	24
8	Decreasing the damage in smart structures using integrated online DDA/ISMP and semi-active control. <i>Smart Materials and Structures</i> , 2012, 21, 105017.	3.5	21
9	Impacts of soil-structure interaction on the structural control of nonlinear systems using adaptive control approach. <i>Engineering Structures</i> , 2018, 157, 1-13.	5.3	21
10	A Parametric Study of Wave Energy Converter Layouts in Real Wave Models. <i>Energies</i> , 2020, 13, 6095.	3.1	18
11	Control of a building complex with Magneto-Rheological Dampers and Tuned Mass Damper. <i>Structural Engineering and Mechanics</i> , 2010, 36, 181-195.	1.0	18
12	Effect of Steel Fiber and Different Environments on Flexural Behavior of Reinforced Concrete Beams. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1011.	2.5	15
13	Determining the number of measurements for compressive sensing of traffic-induced vibration data. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 152, 107259.	5.0	15
14	Adaptive block backstepping control for civil structures with unknown parameters subjected to seismic excitation. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1875.	4.0	14
15	Vibration control of tall buildings. <i>Engineering Structures</i> , 1983, 5, 282-288.	5.3	13
16	Exploiting the inter-correlation of structural vibration signals for data loss recovery: A distributed compressive sensing based approach. <i>Mechanical Systems and Signal Processing</i> , 2021, 152, 107473.	8.0	13
17	Optimal locations for MR dampers in civil structures using improved Ant Colony algorithm. <i>Optimal Control Applications and Methods</i> , 2012, 33, 232-248.	2.1	12
18	Application of simple adaptive control to an MR damper-based control system for seismically excited nonlinear buildings. <i>Smart Structures and Systems</i> , 2016, 18, 1251-1267.	1.9	11

#	ARTICLE	IF	CITATIONS
19	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
20	Seismic motion control of structures: A developed adaptive backstepping approach. Computers and Structures, 2013, 114-115, 18-25.	4.4	9
21	Adaptive modal identification of structures with equivariant adaptive separation via independence approach. Journal of Sound and Vibration, 2018, 413, 66-78.	3.9	9
22	Optimal control of steel structures by improved particle swarm. International Journal of Steel Structures, 2014, 14, 223-230.	1.3	8
23	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
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	Damage detection using a new regularization method with variable parameter. Archive of Applied Mechanics, 2010, 80, 255-269.	2.2	6
26	Non-linear dynamics of asymmetric structures under 2:2:1 resonance. International Journal of Non-Linear Mechanics, 2012, 47, 823-835.	2.6	6
27	Effects of geometrical nonlinearity on the performance of bidirectional tuned mass dampers. Earthquake Engineering and Structural Dynamics, 2021, 50, 3220-3242.	4.4	6
28	Saturation in asymmetric structures under internal resonance. Acta Mechanica, 2011, 221, 353-368.	2.1	5
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	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
31	Structural system identification via synchronization technique and fuzzy logic. Mathematics and Computers in Simulation, 2023, 203, 174-188.	4.4	5
32	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
33	A novel online damage detection approach in bilinear chain-like structures. Journal of Civil Structural Health Monitoring, 2017, 7, 245-261.	3.9	4
34	Embedment effects of flexible foundations on control of structures. Soil Dynamics and Earthquake Engineering, 2011, 31, 1081-1093.	3.8	3
35	Optimized and decentralized pulse control of seismically excited steel structures. International Journal of Steel Structures, 2017, 17, 631-642.	1.3	2
36	Performance evaluation of phase-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

#	ARTICLE	IF	CITATIONS
37	Online identification of torsionally coupled shear buildings using virtual synchronization method. JVC/Journal of Vibration and Control, 2021, 27, 556-572.	2.6	2
38	Online parameter estimation and adaptive control with limited information in structures. JVC/Journal of Vibration and Control, 2022, 28, 2717-2731.	2.6	2
39	Compressive sensing-based data loss recovery in the feedback channel of the structural vibration control systems. Structural Control and Health Monitoring, 2022, 29, .	4.0	2
40	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
41	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
42	Optimizing Structural Active Control Force Using the Exterior Penalty Function Method. AIP Conference Proceedings, 2008, , .	0.4	0
43	Improved synchronization-based approach for online damage detection of civil structures. Engineering With Computers, 2020, , 1.	6.1	0
44	Adaptive control of damaged structures by using smart tunable liquid column gas damper considering dynamic soil-structure interaction. Advances in Structural Engineering, 2021, 24, 3739-3758.	2.4	0