

Yeeseock Kim

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

680
citations

567281

15
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

532
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiactive nonlinear control of a building with a magnetorheological damper system. <i>Mechanical Systems and Signal Processing</i> , 2009, 23, 300-315.	8.0	132
2	Model-Based Multi-input, Multi-output Supervisory Semi-active Nonlinear Fuzzy Controller. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2010, 25, 387-393.	9.8	70
3	Nonlinear multiclass support vector machine-based health monitoring system for buildings employing magnetorheological dampers. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 1456-1468.	2.5	50
4	Sensor fault isolation and detection of smart structures. <i>Smart Materials and Structures</i> , 2010, 19, 105001.	3.5	37
5	System identification of smart structures using a wavelet neuro-fuzzy model. <i>Smart Materials and Structures</i> , 2012, 21, 115009.	3.5	35
6	Control of a Seismically Excited Benchmark Building Using Linear Matrix Inequality-Based Semiactive Nonlinear Fuzzy Control. <i>Journal of Structural Engineering</i> , 2010, 136, 1023-1026.	3.4	33
7	Wavelet-neuro-fuzzy control of hybrid building-active tuned mass damper system under seismic excitations. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 1881-1894.	2.6	32
8	Multi-objective optimization for actuator and sensor layouts of actively controlled 3D buildings. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 942-960.	2.6	30
9	A wavelet-based autoregressive fuzzy model for forecasting algal blooms. <i>Environmental Modelling and Software</i> , 2014, 62, 1-10.	4.5	28
10	Nonlinear system identification of large-scale smart pavement systems. <i>Expert Systems With Applications</i> , 2013, 40, 3551-3560.	7.6	25
11	Novel bio-inspired smart control for hazard mitigation of civil structures. <i>Smart Materials and Structures</i> , 2010, 19, 115009.	3.5	24
12	MIMO fuzzy identification of building-MR damper systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2011, 22, 185-205.	1.4	24
13	Active control of highway bridges subject to a variety of earthquake loads. <i>Earthquake Engineering and Engineering Vibration</i> , 2015, 14, 253-263.	2.3	22
14	Fuzzy Analytic Hierarchy Process-Based Mobile Robot Path Planning. <i>Electronics (Switzerland)</i> , 2020, 9, 290.	3.1	21
15	Nonlinear system identification of smart structures under high impact loads. <i>Smart Materials and Structures</i> , 2013, 22, 055008.	3.5	17
16	Fuzzy model forecasting of offshore bar-shape profiles under high waves. <i>Expert Systems With Applications</i> , 2014, 41, 5771-5779.	7.6	16
17	Modeling of Magnetorheological Dampers under Various Impact Loads. <i>Shock and Vibration</i> , 2015, 2015, 1-20.	0.6	16
18	Nonlinear system identification of smart reinforced concrete structures under impact loads. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 3576-3600.	2.6	14

#	ARTICLE	IF	CITATIONS
19	A novel health monitoring scheme for smart structures. JVC/Journal of Vibration and Control, 2016, 22, 530-548.	2.6	11
20	Structural impact mitigation of bridge piers using tuned mass damper. Engineering Structures, 2016, 112, 287-294.	5.3	10
21	Nonlinear Identification and Control of a Building Structure with a Magnetorheological Damper. Proceedings of the American Control Conference, 2007, , .	0.0	8
22	An application of the brain limbic systemâ€‘based control to the electromechanical brake system. Advances in Mechanical Engineering, 2018, 10, 168781401875521.	1.6	8
23	Seismic response control of a large civil structure equipped with magnetorheological dampers. , 2009, , .		6
24	Radar-based impact load prediction for damage mitigation of infrastructure. JVC/Journal of Vibration and Control, 2017, 23, 1908-1924.	2.6	4
25	Particle Swarm Optimization for Active Structural Control of Highway Bridges Subjected to Impact Loading. Shock and Vibration, 2018, 2018, 1-12.	0.6	4
26	Fuzzy Control of Large Civil Structures Subjected to Natural Hazards. , 2009, , 3-20.		3
27	Seismic Fragility Analysis of Faulty Smart Structures. Computational Methods in Applied Sciences (Springer), 2017, , 329-350.	0.3	0