Se Woon Choi

List of Publications by Year
in descending order

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36	785	430442	525886
papers	citations	18 h-index	27 g-index

36	36	36	725
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fragility Assessment Model of Building Structures Using Characteristics of Artificial Aftershock Motions. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 691-708.	6.3	8
2	Optimal seismic retrofit model for steel moment resisting frames with brittle connections. Earthquake Engineering and Engineering Vibration, 2018, 17, 835-847.	1.1	2
3	Dynamic displacements-based model updating with motion capture system. Structural Control and Health Monitoring, 2017, 24, e1904.	1.9	10
4	Design technology based on resizing method for reduction of costs and carbon dioxide emissions of high-rise buildings. Energy and Buildings, 2017, 138, 612-620.	3.1	24
5	Multi-objective design model for retrofit of reinforced concrete frames with infilled walls using FRP bracings. Construction and Building Materials, 2017, 140, 454-467.	3.2	12
6	Influence of variations in CO 2 emission data upon environmental impact of building construction. Journal of Cleaner Production, 2017, 140, 1194-1203.	4.6	40
7	Genetic-algorithm-based minimum weight design of an outrigger system for high-rise buildings. Engineering Structures, 2016, 117, 496-505.	2.6	46
8	Sustainable design model to reduce environmental impact of building construction with composite structures. Journal of Cleaner Production, 2016, 137, 823-832.	4.6	28
9	Sensor-Free Stress Estimation Model for Steel Beam Structures Using a Motion Capture System. IEEE Sensors Journal, 2016, 16, 2701-2713.	2.4	11
10	Design model for analysis of relationships among CO 2 emissions, cost, and structural parameters in green building construction with composite columns. Energy and Buildings, 2016, 118, 301-315.	3.1	26
11	GAâ€Based Multiâ€Objective OptimizationÂfor Retrofit Design on a Multiâ€Core PC Cluster. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 965-980.	6.3	43
12	Damage Detection Technique for Cold-Formed Steel Beam Structure Based on NSGA-II. Shock and Vibration, 2015, 2015, 1-6.	0.3	5
13	WIND-INDUCED RESPONSE CONTROL MODEL FOR HIGH-RISE BUILDINGS BASED ON RESIZING METHOD. Journal of Civil Engineering and Management, 2015, 21, 239-247.	1.9	7
14	Deformation Monitoring of a Building Structure Using a Motion Capture System. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2276-2284.	3.7	17
15	Performance-Based Multiobjective Optimal Seismic Retrofit Method for a Steel Moment-Resisting Frame Considering the Life-Cycle Cost. Mathematical Problems in Engineering, 2014, 2014, 1-14.	0.6	4
16	Resizing Technique-Based Hybrid Genetic Algorithm for Optimal Drift Design of Multistory Steel Frame Buildings. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	1
17	Multi-objective seismic retrofit method for using FRP jackets in shear-critical reinforced concrete frames. Composites Part B: Engineering, 2014, 56, 207-216.	5.9	33
18	Evaluation of the influence of design factors on the CO2 emissions and costs of reinforced concrete columns. Energy and Buildings, 2014, 82, 378-384.	3.1	37

#	Article	IF	Citations
19	A Proposal of the Gage-Free Safety Assessment Technique for the Steel Beam Structure Under Uncertain Loads and Support Conditions Using Motion Capture System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 219-227.	0.2	0
20	Moving average correction method for compensation of differential column shortenings in highâ€rise buildings. Structural Design of Tall and Special Buildings, 2013, 22, 718-728.	0.9	19
21	Analytical Model for Estimation of Maximum Normal Stress in Steel Beamâ€Columns Based on Wireless Measurement of Average Strains from Vibrating Wire Strain Gages. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 707-717.	6.3	23
22	Minimum column-to-beam strength ratios for beamâ€“hinge mechanisms based on multi-objective seismic design. Journal of Constructional Steel Research, 2013, 88, 53-62.	1.7	19
23	An Integrative Structural Health Monitoring System for the Local/Global Responses of a Large-Scale Irregular Building under Construction. Sensors, 2013, 13, 9085-9103.	2.1	40
24	A New Position Measurement System Using a Motion-Capture Camera for Wind Tunnel Tests. Sensors, 2013, 13, 12329-12344.	2.1	34
25	Field Monitoring of Column Shortenings in a High-Rise Building during Construction. Sensors, 2013, 13, 14321-14338.	2.1	14
26	Cost and CO2 Emission Optimization of Steel Reinforced Concrete Columns in High-Rise Buildings. Energies, 2013, 6, 5609-5624.	1.6	72
27	A Strain-Based Load Identification Model for Beams in Building Structures. Sensors, 2013, 13, 9909-9920.	2.1	10
28	A Practical Monitoring System for the Structural Safety of Mega-Trusses Using Wireless Vibrating Wire Strain Gauges. Sensors, 2013, 13, 17346-17361.	2.1	31
29	A Practical Data Recovery Technique for Long-Term Strain Monitoring of Mega Columns during Construction. Sensors, 2013, 13, 10931-10943.	2.1	15
30	Wireless Laser Range Finder System for Vertical Displacement Monitoring of Mega-Trusses during Construction. Sensors, 2013, 13, 5796-5813.	2.1	15
31	A Deformed Shape Monitoring Model for Building Structures Based on a 2D Laser Scanner. Sensors, 2013, 13, 6746-6758.	2.1	28
32	Design and Application of a Field Sensing System for Ground Anchors in Slopes. Sensors, 2013, 13, 3739-3752.	2.1	14
33	A Wireless MEMS-Based Inclinometer Sensor Node for Structural Health Monitoring. Sensors, 2013, 13, 16090-16104.	2.1	55
34	Evaluation of Stiffness Changes in a High-Rise Building by Measurements of Lateral Displacements Using GPS Technology. Sensors, 2013, 13, 15489-15503.	2.1	7
35	Measurement Model for the Maximum Strain in Beam Structures Using Multiplexed Fiber Bragg Grating Sensors. International Journal of Distributed Sensor Networks, 2013, 9, 894780.	1.3	8
36	Multi-objective seismic design method for ensuring beam-hinging mechanism in steel frames. Journal of Constructional Steel Research, 2012, 74, 17-25.	1.7	27