Mehrdad Sasani

List of Publications by Year
in descending order

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29	1,115	567281 15	526287 27
papers	citations	h-index	g-index

29	29	29	566
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiobjective Optimization of Building Seismic Design for Resilience. Journal of Structural Engineering, 2022, 148, .	3.4	4
2	Modeling Joint Probability of Wind and Flood Hazards in Boston. Natural Hazards Review, 2021, 22, .	1.5	5
3	Defining resilience for the US building industry. Building Research and Information, 2019, 47, 480-492.	3.9	30
4	Multihazard Risk-Based Resilience Analysis of East and West Coast Buildings Designed to Current Codes. Journal of Structural Engineering, 2018, 144, .	3.4	12
5	Collapse Resistance of a Seven-Story Structure with Multiple Shear-Axial Column Failures Using Hybrid Simulation. Journal of Structural Engineering, 2017, 143, .	3.4	3
6	Seismic hybrid simulation of a nonductile RC building with severe damage to multiple columns. Earthquake Engineering and Structural Dynamics, 2017, 46, 733-752.	4.4	4
7	Nearâ€collapse response of existing RC building under severe pulseâ€type ground motion using hybrid simulation. Earthquake Engineering and Structural Dynamics, 2016, 45, 1109-1127.	4.4	11
8	Modeling Bar Slip in Nonductile Reinforced Concrete Columns. Journal of Structural Engineering, 2016, 142, .	3.4	4
9	Modeling floor systems for collapse analysis. Engineering Structures, 2016, 127, 278-286.	5.3	2
10	Analytical and Experimental Evaluation of Progressive Collapse Resistance of a Flat-Slab Posttensioned Parking Garage. Journal of Structural Engineering, 2015, 141, .	3.4	19
11	Progressive collapse evaluation of Murrah Federal Building following sudden loss of column G20. Engineering Structures, 2015, 89, 162-171.	5.3	43
12	Integrity and progressive collapse resistance of RC structures with ordinary and special moment frames. Engineering Structures, 2015, 95, 71-79.	5.3	32
13	Progressive collapse resistance of RC beams. Engineering Structures, 2015, 95, 61-70.	5.3	30
14	Hybrid simulation for system-level structural response. Engineering Structures, 2015, 103, 228-238.	5.3	8
15	Progressive Collapse-Resisting Mechanisms of Reinforced Concrete Structures and Effects of Initial Damage Locations. Journal of Structural Engineering, 2014, 140, .	3.4	39
16	Integrity, Robustness and Progressive Collapse Resistance of RC Structures Designed for Different Levels of Seismic Loads. , 2014, , .		1
17	Compressive membrane action in progressive collapse resistance of RC flat plates. Engineering Structures, 2014, 59, 554-564.	5.3	74
18	Seismic shear-axial failure of reinforced concrete columns vs. system level structural collapse. Engineering Failure Analysis, 2013, 32, 382-401.	4.0	13

#	Article	IF	Citations
19	Experimental and Analytical Evaluation of Progressive Collapse Resistance of a Full-Scale Structure Following Sever Loss of Load Bearing Elements. Applied Mechanics and Materials, 2011, 82, 326-331.	0.2	6
20	Progressive Collapse Resistance of an Actual 11-Story Structure Subjected to Severe Initial Damage. Journal of Structural Engineering, 2011, 137, 893-902.	3.4	118
21	Bar fracture modeling in progressive collapse analysis of reinforced concrete structures. Engineering Structures, 2011, 33, 401-409.	5.3	62
22	Disproportionate Collapse Research Needs. , 2009, , .		3
23	Response of a reinforced concrete infilled-frame structure to removal of two adjacent columns. Engineering Structures, 2008, 30, 2478-2491.	5.3	196
24	Progressive collapse analysis of an RC structure. Structural Design of Tall and Special Buildings, 2008, 17, 757-771.	1.9	154
25	Progressive Collapse Resistance of Hotel San Diego. Journal of Structural Engineering, 2008, 134, 478-488.	3.4	158
26	New Measure for Severity of Near-Source Seismic Ground Motion. Journal of Structural Engineering, 2006, 132, 1997-2005.	3.4	6
27	Seismic fragility of short period reinforced concrete structural walls under near-source ground motions. Structural Safety, 2002, 24, 123-138.	5.3	15
28	Seismic Fragility of RC Structural Walls: Displacement Approach. Journal of Structural Engineering, 2001, 127, 219-228.	3.4	46
29	Seismic Energy Dissipators for RC Panels: Analytical Studies. Journal of Engineering Mechanics - ASCE, 2001, 127, 835-843.	2.9	17