

# Mehrdad Sasani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11318143/publications.pdf>

Version: 2024-02-01

29  
papers

1,115  
citations

567281

15  
h-index

526287

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Response of a reinforced concrete infilled-frame structure to removal of two adjacent columns. <i>Engineering Structures</i> , 2008, 30, 2478-2491.	5.3	196
2	Progressive Collapse Resistance of Hotel San Diego. <i>Journal of Structural Engineering</i> , 2008, 134, 478-488.	3.4	158
3	Progressive collapse analysis of an RC structure. <i>Structural Design of Tall and Special Buildings</i> , 2008, 17, 757-771.	1.9	154
4	Progressive Collapse Resistance of an Actual 11-Story Structure Subjected to Severe Initial Damage. <i>Journal of Structural Engineering</i> , 2011, 137, 893-902.	3.4	118
5	Compressive membrane action in progressive collapse resistance of RC flat plates. <i>Engineering Structures</i> , 2014, 59, 554-564.	5.3	74
6	Bar fracture modeling in progressive collapse analysis of reinforced concrete structures. <i>Engineering Structures</i> , 2011, 33, 401-409.	5.3	62
7	Seismic Fragility of RC Structural Walls: Displacement Approach. <i>Journal of Structural Engineering</i> , 2001, 127, 219-228.	3.4	46
8	Progressive collapse evaluation of Murrah Federal Building following sudden loss of column G20. <i>Engineering Structures</i> , 2015, 89, 162-171.	5.3	43
9	Progressive Collapse-Resisting Mechanisms of Reinforced Concrete Structures and Effects of Initial Damage Locations. <i>Journal of Structural Engineering</i> , 2014, 140, .	3.4	39
10	Integrity and progressive collapse resistance of RC structures with ordinary and special moment frames. <i>Engineering Structures</i> , 2015, 95, 71-79.	5.3	32
11	Progressive collapse resistance of RC beams. <i>Engineering Structures</i> , 2015, 95, 61-70.	5.3	30
12	Defining resilience for the US building industry. <i>Building Research and Information</i> , 2019, 47, 480-492.	3.9	30
13	Analytical and Experimental Evaluation of Progressive Collapse Resistance of a Flat-Slab Posttensioned Parking Garage. <i>Journal of Structural Engineering</i> , 2015, 141, .	3.4	19
14	Seismic Energy Dissipators for RC Panels: Analytical Studies. <i>Journal of Engineering Mechanics - ASCE</i> , 2001, 127, 835-843.	2.9	17
15	Seismic fragility of short period reinforced concrete structural walls under near-source ground motions. <i>Structural Safety</i> , 2002, 24, 123-138.	5.3	15
16	Seismic shear-axial failure of reinforced concrete columns vs. system level structural collapse. <i>Engineering Failure Analysis</i> , 2013, 32, 382-401.	4.0	13
17	Multihazard Risk-Based Resilience Analysis of East and West Coast Buildings Designed to Current Codes. <i>Journal of Structural Engineering</i> , 2018, 144, .	3.4	12
18	Near-collapse response of existing RC building under severe pulse-type ground motion using hybrid simulation. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 1109-1127.	4.4	11

#	ARTICLE	IF	CITATIONS
19	Hybrid simulation for system-level structural response. <i>Engineering Structures</i> , 2015, 103, 228-238.	5.3	8
20	New Measure for Severity of Near-Source Seismic Ground Motion. <i>Journal of Structural Engineering</i> , 2006, 132, 1997-2005.	3.4	6
21	Experimental and Analytical Evaluation of Progressive Collapse Resistance of a Full-Scale Structure Following Severe Loss of Load Bearing Elements. <i>Applied Mechanics and Materials</i> , 2011, 82, 326-331.	0.2	6
22	Modeling Joint Probability of Wind and Flood Hazards in Boston. <i>Natural Hazards Review</i> , 2021, 22, .	1.5	5
23	Modeling Bar Slip in Nonductile Reinforced Concrete Columns. <i>Journal of Structural Engineering</i> , 2016, 142, .	3.4	4
24	Seismic hybrid simulation of a nonductile RC building with severe damage to multiple columns. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 733-752.	4.4	4
25	Multiobjective Optimization of Building Seismic Design for Resilience. <i>Journal of Structural Engineering</i> , 2022, 148, .	3.4	4
26	Disproportionate Collapse Research Needs. , 2009, , .		3
27	Collapse Resistance of a Seven-Story Structure with Multiple Shear-Axial Column Failures Using Hybrid Simulation. <i>Journal of Structural Engineering</i> , 2017, 143, .	3.4	3
28	Modeling floor systems for collapse analysis. <i>Engineering Structures</i> , 2016, 127, 278-286.	5.3	2
29	Integrity, Robustness and Progressive Collapse Resistance of RC Structures Designed for Different Levels of Seismic Loads. , 2014, , .		1