

Siavash Soroushian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

389
citations

12
h-index

18
g-index

38
ext. papers

483
ext. citations

2.9
avg, IF

3.74
L-index

#	Paper	IF	Citations
37	Numerical seismic fragility analysis for suspended ceilings with various geometries. <i>Journal of Building Engineering</i> , 2022 , 104627	5.2	0
36	A post-tensioned self-centering yielding brace system: development and performance-based seismic analysis. <i>Structure and Infrastructure Engineering</i> , 2021 , 17, 392-412	2.9	6
35	A decision-tree-based algorithm for identifying the extent of structural damage in braced-frame buildings. <i>Structural Control and Health Monitoring</i> , 2021 , 28, e2825	4.5	3
34	Application of short-time matrix pencil method for high-frequency damage detection in structural system. <i>Structural Control and Health Monitoring</i> , 2020 , 27, e2589	4.5	4
33	Methodology for the Development of Analytical Seismic Fragility for Full Connection Steel-Framed Gypsum Partition Walls. <i>Journal of Earthquake Engineering</i> , 2020 , 1-18	1.8	1
32	Fragility Analysis of Suspended Ceiling Systems in a Full-Scale Experiment. <i>Journal of Structural Engineering</i> , 2019 , 145, 04019005	3	14
31	Experimental Fragility Analysis of Pressurized Fire Sprinkler Piping Systems. <i>Journal of Earthquake Engineering</i> , 2017 , 21, 62-86	1.8	5
30	Analytical Model to Capture the In-Plane and Out-of-Plane Seismic Behavior of Nonstructural Partition Walls with Returns. <i>Journal of Structural Engineering</i> , 2017 , 143, 04017033	3	8
29	Seismic Simulation of an Integrated Ceiling-Partition Wall-Piping System at E-Defense. I: Three-Dimensional Structural Response and Base Isolation. <i>Journal of Structural Engineering</i> , 2016 , 142, 04015130	3	41
28	Cyclic Shear Behavior of Gypsum Board-to-Steel Stud Screw Connections in Nonstructural Walls. <i>Earthquake Spectra</i> , 2016 , 32, 415-439	3.4	14
27	Seismic Simulation of an Integrated Ceiling-Partition Wall-Piping System at E-Defense. II: Evaluation of Nonstructural Damage and Fragilities. <i>Journal of Structural Engineering</i> , 2016 , 142, 04015131	3	35
26	Analytical model for the in-plane seismic performance of cold-formed steel-framed gypsum partition walls. <i>Earthquake Engineering and Structural Dynamics</i> , 2016 , 45, 619-634	4	9
25	Capacity Evaluation of Typical Track-to-Concrete Power-Actuated Fastener Connections in Nonstructural Walls. <i>Journal of Structural Engineering</i> , 2016 , 142, 04016015	3	3
24	Estimation of Vertical Floor Displacement Using a Wavelet De-Noising Method. <i>Journal of Earthquake Engineering</i> , 2016 , 20, 279-297	1.8	3
23	Axial Capacity Evaluation for Typical Suspended Ceiling Joints. <i>Earthquake Spectra</i> , 2016 , 32, 547-565	3.4	10
22	A state of the art review on the analytical simulation of ceiling, piping and partitions. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2016 , 49, 34-44	0.5	
21	Development and Validation of a Numerical Model for Suspended-Ceiling Systems with Acoustic Tiles. <i>Journal of Architectural Engineering</i> , 2016 , 22, 04016008	1.5	5

20	Capacity Evaluation of Suspended Ceiling-Perimeter Attachments. <i>Journal of Structural Engineering</i> , 2016 , 142, 04015124	3	10
19	Experimental Fragility Analysis of Suspension Ceiling Systems. <i>Earthquake Spectra</i> , 2016 , 32, 881-908	3.4	21
18	Capacity Evaluation of Typical Stud-Track Screw Connections in Nonstructural Walls. <i>Journal of Earthquake Engineering</i> , 2016 , 20, 931-953	1.8	4
17	Evaluation of the out-of-plane behavior of stud-to-track connections in nonstructural partition walls. <i>Thin-Walled Structures</i> , 2016 , 103, 211-224	4.7	10
16	Experimental fragility analysis of cold-formed steel-framed partition wall systems. <i>Thin-Walled Structures</i> , 2016 , 103, 115-127	4.7	25
15	Response of a 2-story test-bed structure for the seismic evaluation of nonstructural systems. <i>Earthquake Engineering and Engineering Vibration</i> , 2016 , 15, 19-29	2	15
14	Seismic Fragility Study of Fire Sprinkler Piping Systems with Grooved Fit Joints. <i>Journal of Structural Engineering</i> , 2015 , 141, 04014157	3	20
13	Impact of column-to-beam strength ratio on the seismic response of steel MRFs. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 635-652	3.7	15
12	Capacity Evaluation of Suspended Ceiling Components, Part 1: Experimental Studies. <i>Journal of Earthquake Engineering</i> , 2015 , 19, 784-804	1.8	16
11	Numerical Simulation of Integrated Suspended Ceiling-Sprinkler Systems 2015 ,		1
10	Capacity Evaluation of Suspended Ceiling Components, Part 2: Analytical Studies. <i>Journal of Earthquake Engineering</i> , 2015 , 19, 805-821	1.8	9
9	Experimental Fragility Analysis of Cold-Formed Steel-Framed Partition Wall Systems 2015 ,		6
8	Analytical Seismic Fragility Analyses of Fire Sprinkler Piping Systems with Threaded Joints. <i>Earthquake Spectra</i> , 2015 , 31, 1125-1155	3.4	36
7	Analytical Simulation of the Performance of Ceiling-Sprinkler Systems in Shake Table Tests Performed on a Full-Scale 5-Story Building 2014 ,		6
6	Seismic Fragility Study of Displacement Demand on Fire Sprinkler Piping Systems. <i>Journal of Earthquake Engineering</i> , 2014 , 18, 1129-1150	1.8	10
5	Seismic Fragility Study of Fire Sprinkler Piping Systems 2013 ,		5
4	Seismic Response of Ceiling/Sprinkler Piping Nonstructural Systems in NEES TIPS/NEES Nonstructural/NIED Collaborative Tests on a Full Scale 5-Story Building 2012 ,		15
3	Design of a Test-Bed Structure for Shake Table Simulation of the Seismic Performance of Nonstructural Systems 2011 ,		4

2	Generation of numerical-based capacity fragility curves for different aspect ratios of full-connection gypsum partition walls. <i>Earthquake Spectra</i> ,875529302110672	3.4
1	A rapid neural network-based demand estimation for generic buildings considering the effect of soft/weak story. <i>Structure and Infrastructure Engineering</i> ,1-20	2.9 ○