

Siavash Soroushian

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

571
citations

623188

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all docs

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38
times ranked

234
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic Simulation of an Integrated Ceiling-Partition Wall-Piping System at E-Defense. I: Three-Dimensional Structural Response and Base Isolation. Journal of Structural Engineering, 2016, 142, .	1.7	55
2	Analytical Seismic Fragility Analyses of Fire Sprinkler Piping Systems with Threaded Joints. Earthquake Spectra, 2015, 31, 1125-1155.	1.6	51
3	Seismic Simulation of an Integrated Ceiling-Partition Wall-Piping System at E-Defense. II: Evaluation of Nonstructural Damage and Fragilities. Journal of Structural Engineering, 2016, 142, .	1.7	43
4	Experimental fragility analysis of cold-formed steel-framed partition wall systems. Thin-Walled Structures, 2016, 103, 115-127.	2.7	35
5	Seismic Fragility Study of Fire Sprinkler Piping Systems with Grooved Fit Joints. Journal of Structural Engineering, 2015, 141, .	1.7	29
6	Experimental Fragility Analysis of Suspension Ceiling Systems. Earthquake Spectra, 2016, 32, 881-908.	1.6	29
7	Fragility Analysis of Suspended Ceiling Systems in a Full-Scale Experiment. Journal of Structural Engineering, 2019, 145, .	1.7	25
8	Capacity Evaluation of Suspended Ceiling Components, Part 1: Experimental Studies. Journal of Earthquake Engineering, 2015, 19, 784-804.	1.4	22
9	Impact of column-to-beam strength ratio on the seismic response of steel MRFs. Bulletin of Earthquake Engineering, 2015, 13, 635-652.	2.3	21
10	Seismic Response of Ceiling/Sprinkler Piping Nonstructural Systems in NEES TIPS/NEES Nonstructural/NIED Collaborative Tests on a Full Scale 5-Story Building. , 2012, , .		18
11	Response of a 2-story test-bed structure for the seismic evaluation of nonstructural systems. Earthquake Engineering and Engineering Vibration, 2016, 15, 19-29.	1.1	18
12	Cyclic Shear Behavior of Gypsum Board-to-Steel Stud Screw Connections in Nonstructural Walls. Earthquake Spectra, 2016, 32, 415-439.	1.6	16
13	A decisionâ€treeâ€based algorithm for identifying the extent of structural damage in bracedâ€frame buildings. Structural Control and Health Monitoring, 2021, 28, e2825.	1.9	16
14	Axial Capacity Evaluation for Typical Suspended Ceiling Joints. Earthquake Spectra, 2016, 32, 547-565.	1.6	16
15	Capacity Evaluation of Suspended Ceiling Components, Part 2: Analytical Studies. Journal of Earthquake Engineering, 2015, 19, 805-821.	1.4	15
16	Analytical model for the inâ€plane seismic performance of coldâ€formed steelâ€framed gypsum partition walls. Earthquake Engineering and Structural Dynamics, 2016, 45, 619-634.	2.5	15
17	Development and Validation of a Numerical Model for Suspended-Ceiling Systems with Acoustic Tiles. Journal of Architectural Engineering, 2016, 22, .	0.8	14
18	Capacity Evaluation of Suspended Ceiling-Perimeter Attachments. Journal of Structural Engineering, 2016, 142, .	1.7	14

#	ARTICLE	IF	CITATIONS
19	Seismic Fragility Study of Displacement Demand on Fire Sprinkler Piping Systems. Journal of Earthquake Engineering, 2014, 18, 1129-1150.	1.4	13
20	Analytical Model to Capture the In-Plane and Out-of-Plane Seismic Behavior of Nonstructural Partition Walls with Returns. Journal of Structural Engineering, 2017, 143, 04017033.	1.7	13
21	A post-tensioned self-centering yielding brace system: development and performance-based seismic analysis. Structure and Infrastructure Engineering, 2021, 17, 392-412.	2.0	12
22	Evaluation of the out-of-plane behavior of stud-to-track connections in nonstructural partition walls. Thin-Walled Structures, 2016, 103, 211-224.	2.7	10
23	Analytical Simulation of the Performance of Ceiling-Sprinkler Systems in Shake Table Tests Performed on a Full-Scale 5-Story Building. , 2014, , .		9
24	Experimental Fragility Analysis of Pressurized Fire Sprinkler Piping Systems. Journal of Earthquake Engineering, 2017, 21, 62-86.	1.4	8
25	Design of a Test-Bed Structure for Shake Table Simulation of the Seismic Performance of Nonstructural Systems. , 2011, , .		6
26	Seismic Fragility Study of Fire Sprinkler Piping Systems. , 2013, , .		6
27	Experimental Fragility Analysis of Cold-Formed Steel-Framed Partition Wall Systems. , 2015, , .		6
28	Capacity Evaluation of Typical Stud-Track Screw Connections in Nonstructural Walls. Journal of Earthquake Engineering, 2016, 20, 931-953.	1.4	6
29	Capacity Evaluation of Typical Track-to-Concrete Power-Actuated Fastener Connections in Nonstructural Walls. Journal of Structural Engineering, 2016, 142, .	1.7	5
30	Estimation of Vertical Floor Displacement Using a Wavelet De-Noising Method. Journal of Earthquake Engineering, 2016, 20, 279-297.	1.4	5
31	Methodology for the Development of Analytical Seismic Fragility for Full Connection Steel-Framed Gypsum Partition Walls. Journal of Earthquake Engineering, 2022, 26, 4129-4146.	1.4	5
32	Application of short-time matrix pencil method for high-frequency damage detection in structural system. Structural Control and Health Monitoring, 2020, 27, e2589.	1.9	5
33	Numerical seismic fragility analysis for suspended ceilings with various geometries. Journal of Building Engineering, 2022, 54, 104627.	1.6	3
34	A rapid neural network-based demand estimation for generic buildings considering the effect of soft/weak story. Structure and Infrastructure Engineering, 0, , 1-20.	2.0	3
35	Numerical Simulation of Integrated Suspended Ceiling-Sprinkler Systems. , 2015, , .		2
36	Generation of numerical-based capacity fragility curves for different aspect ratios of full-connection gypsum partition walls. Earthquake Spectra, 2022, 38, 1788-1812.	1.6	1

#	ARTICLE	IF	CITATIONS
37	A state of the art review on the analytical simulation of ceiling, piping and partitions. Bulletin of the New Zealand Society for Earthquake Engineering, 2016, 49, 34-44.	0.2	0