

# Andreas Stavridis

## List of Publications by Citations

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**Version:** 2024-04-09

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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.

41 papers	804 citations	15 h-index	28 g-index
43 ext. papers	965 ext. citations	2.8 avg, IF	4.34 L-index

#	Paper	IF	Citations
41	Finite-Element Modeling of Nonlinear Behavior of Masonry-Infilled RC Frames. <i>Journal of Structural Engineering</i> , <b>2010</b> , 136, 285-296	3	137
40	Numerical modeling of masonry-infilled RC frames subjected to seismic loads. <i>Computers and Structures</i> , <b>2011</b> , 89, 1026-1037	4.5	108
39	Shake-table tests of a three-story reinforced concrete frame with masonry infill walls. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2012</b> , 41, 1089-1108	4	97
38	Finite-Element Model Updating for Assessment of Progressive Damage in a 3-Story Infilled RC Frame. <i>Journal of Structural Engineering</i> , <b>2013</b> , 139, 1665-1674	3	59
37	Shake-Table Tests of a 3-Story Masonry-Infilled RC Frame Retrofitted with Composite Materials. <i>Journal of Structural Engineering</i> , <b>2013</b> , 139, 1340-1351	3	36
36	An application of finite element model updating for damage assessment of a two-story reinforced concrete building and comparison with lidar. <i>Structural Health Monitoring</i> , <b>2018</b> , 17, 1129-1150	4.4	36
35	Nonlinear finite element model updating of an infilled frame based on identified time-varying modal parameters during an earthquake. <i>Journal of Sound and Vibration</i> , <b>2014</b> , 333, 6057-6073	3.9	35
34	Performance of Medium-to-High Rise Reinforced Concrete Frame Buildings with Masonry Infill in the 2015 Gorkha, Nepal, Earthquake. <i>Earthquake Spectra</i> , <b>2017</b> , 33, 197-218	3.4	30
33	Effects of variability in ambient vibration data on model updating and damage identification of a 10-story building. <i>Engineering Structures</i> , <b>2017</b> , 151, 540-553	4.7	25
32	System identification and modeling of a dynamically tested and gradually damaged 10-story reinforced concrete building. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2018</b> , 47, 25-47	4	24
31	Numerical Investigation of the In-Plane Performance of Masonry-Infilled RC Frames with Sliding Subpanels. <i>Journal of Structural Engineering</i> , <b>2017</b> , 143, 04016168	3	24
30	Uncertainty quantification and propagation in dynamic models using ambient vibration measurements, application to a 10-story building. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 107, 502-514	7.8	21
29	Accounting for amplitude of excitation in model updating through a hierarchical Bayesian approach: Application to a two-story reinforced concrete building. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 123, 68-83	7.8	21
28	Analysis of the in-plane response of earthen masonry infill panels partitioned by sliding joints. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2016</b> , 45, 1209-1232	4	17
27	Structural Identification of an 18-Story RC Building in Nepal Using Post-Earthquake Ambient Vibration and Lidar Data. <i>Frontiers in Built Environment</i> , <b>2017</b> , 3,	2.2	16
26	Seismic Performance of Non-Ductile RC Frames with Brick Infill <b>2009</b> ,		15
25	Large-scale experimental investigation of a low-cost PVC Band-wich(PVC-s) seismic isolation for developing countries. <i>Earthquake Spectra</i> , <b>2020</b> , 36, 1886-1911	3.4	14

24	Evaluation of a Sprayable, Ductile Cement-Based Composite for the Seismic Retrofit of Unreinforced Masonry Infills <b>2009</b> ,		12
23	Structural Assessment of a School Building in Sankhu, Nepal Damaged Due to Torsional Response During the 2015 Gorkha Earthquake. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 31-41	0.3	10
22	Finite Element Modeling of a Reinforced Concrete Frame with Masonry Infill and Mesh Reinforced Mortar Subjected to Earthquake Loading. <i>Earthquake Spectra</i> , <b>2016</b> , 32, 393-414	3.4	8
21	Post-earthquake damage identification of an RC school building in Nepal using ambient vibration and point cloud data. <i>Engineering Structures</i> , <b>2021</b> , 227, 111413	4.7	7
20	Validation of a Fast Hybrid Test System with Substructure Tests <b>2006</b> , 1		6
19	Tension Development Length of Large-Diameter Bars for Severe Cyclic Loading. <i>ACI Structural Journal</i> , <b>2015</b> , 112,	1.7	6
18	Simulation Framework for Infilled RC Frames Subjected to Seismic Loads. <i>Earthquake Spectra</i> , <b>2019</b> , 35, 1739-1762	3.4	5
17	Effects of Prediction Error Bias on Model Calibration and Response Prediction of a 10-Story Building. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 279-291	0.3	5
16	Nonlinear dynamic tests of a reinforced concrete frame building at different damage levels. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2020</b> , 49, 924-945	4	4
15	System Identification of a Three-Story Infilled RC Frame Tested on the UCSD-NEES Shake Table. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2011</b> , 135-143	0.3	4
14	Damage Identification of a Three-Story Infilled RC Frame Tested on the UCSD-NEES Shake Table. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2011</b> , 145-154	0.3	4
13	ATC Mw7.1 Puebla-Morelos earthquake reconnaissance observations: Structural observations and instrumentation. <i>Earthquake Spectra</i> , <b>2020</b> , 36, 31-48	3.4	3
12	SEISMIC PERFORMANCE OF MASONRY-INFILLED RC FRAMES WITH AND WITHOUT RETROFIT. <i>Journal of Earthquake and Tsunami</i> , <b>2013</b> , 07, 1350023	1.1	3
11	Nonlinear Finite Element Model Updating of a Large-Scale Infilled Frame Structures Based on Instantaneous Modal Parameters. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2013</b> , 85-90	0.3	2
10	Hybrid testing and modeling of a suspended zipper steel frame. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2009</b> , 39, n/a-n/a	4	2
9	ATC Mw7.1 Puebla-Morelos earthquake reconnaissance observations: Seismological, geotechnical, ground motions, site effects, and GIS mapping. <i>Earthquake Spectra</i> , <b>2020</b> , 36, 5-30	3.4	2
8	Finite-Element Modeling of Hybrid Concrete-Masonry Frames Subjected to In-Plane Loads. <i>Journal of Structural Engineering</i> , <b>2018</b> , 144, 04017178	3	2
7	Structural Performance of a Railway Tunnel Under Different Fire Scenarios <b>2018</b> ,		1

6	Structural Identification of a Five-Story Reinforced Concrete Office Building in Nepal. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2019</b> , 235-237	0.3	1
5	Bayesian Model Updating of a Damaged School Building in Sankhu, Nepal. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2019</b> , 235-244	0.3	1
4	A computationally efficient framework for the simulation of the nonlinear seismic performance of infilled RC frame buildings. <i>Engineering Structures</i> , <b>2022</b> , 259, 114039	4.7	1
3	Comparative Study on Modal Identification of a 10 Story RC Structure Using Free, Ambient and Forced Vibration Data. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2017</b> , 267-276	0.3	0
2	Model Updating and Damage Assessment of a RC Structure Using an Iterative Eigenvalue Problem. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2019</b> , 355-358	0.3	
1	Bayesian Model Updating of a Five-Story Building Using Zero-Variance Sampling Method. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2020</b> , 149-151	0.3	