Andreas Stavridis

List of Publications by Year in Descending Order

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	A computationally efficient framework for the simulation of the nonlinear seismic performance of infilled RC frame buildings. *Engineering Structures*, **2022**, 259, 114039	4.7	1
40	Post-earthquake damage identification of an RC school building in Nepal using ambient vibration and point cloud data. *Engineering Structures*, **2021**, 227, 111413	4.7	7
39	ATC Mw7.1 Puebla-Morelos earthquake reconnaissance observations: Structural observations and instrumentation. *Earthquake Spectra*, **2020**, 36, 31-48	3.4	3
38	Nonlinear dynamic tests of a reinforced concrete frame building at different damage levels. *Earthquake Engineering and Structural Dynamics*, **2020**, 49, 924-945	4	4
37	Large-scale experimental investigation of a low-cost PVC Sandwich (PVC-s) seismic isolation for developing countries. *Earthquake Spectra*, **2020**, 36, 1886-1911	3.4	14
36	ATC Mw7.1 Puebla Morelos earthquake reconnaissance observations: Seismological, geotechnical, ground motions, site effects, and GIS mapping. *Earthquake Spectra*, **2020**, 36, 5-30	3.4	2
35	Bayesian Model Updating of a Five-Story Building Using Zero-Variance Sampling Method. *Conference Proceedings of the Society for Experimental Mechanics*, **2020**, 149-151	0.3	
34	Simulation Framework for Infilled RC Frames Subjected to Seismic Loads. *Earthquake Spectra*, **2019**, 35, 1739-1762	3.4	5
33	Structural Identification of a Five-Story Reinforced Concrete Office Building in Nepal. *Conference Proceedings of the Society for Experimental Mechanics*, **2019**, 235-237	0.3	1
32	Model Updating and Damage Assessment of a RC Structure Using an Iterative Eigenvalue Problem. *Conference Proceedings of the Society for Experimental Mechanics*, **2019**, 355-358	0.3	
31	Bayesian Model Updating of a Damaged School Building in Sankhu, Nepal. *Conference Proceedings of the Society for Experimental Mechanics*, **2019**, 235-244	0.3	1
30	Accounting for amplitude of excitation in model updating through a hierarchical Bayesian approach: Application to a two-story reinforced concrete building. *Mechanical Systems and Signal Processing*, **2019**, 123, 68-83	7.8	21
29	Uncertainty quantification and propagation in dynamic models using ambient vibration measurements, application to a 10-story building. *Mechanical Systems and Signal Processing*, **2018**, 107, 502-514	7.8	21
28	System identification and modeling of a dynamically tested and gradually damaged 10-story reinforced concrete building. *Earthquake Engineering and Structural Dynamics*, **2018**, 47, 25-47	4	24
27	Structural Performance of a Railway Tunnel Under Different Fire Scenarios **2018**,		1
26	Finite-Element Modeling of Hybrid Concrete-Masonry Frames Subjected to In-Plane Loads. *Journal of Structural Engineering*, **2018**, 144, 04017178	3	2
25	An application of finite element model updating for damage assessment of a two-story reinforced concrete building and comparison with lidar. *Structural Health Monitoring*, **2018**, 17, 1129-1150	4.4	36

24	Performance of Medium-to-High Rise Reinforced Concrete Frame Buildings with Masonry Infill in the 2015 Gorkha, Nepal, Earthquake. *Earthquake Spectra*, **2017**, 33, 197-218	3.4	30
23	Effects of variability in ambient vibration data on model updating and damage identification of a 10-story building. *Engineering Structures*, **2017**, 151, 540-553	4.7	25
22	Numerical Investigation of the In-Plane Performance of Masonry-Infilled RC Frames with Sliding Subpanels. *Journal of Structural Engineering*, **2017**, 143, 04016168	3	24
21	Structural Identification of an 18-Story RC Building in Nepal Using Post-Earthquake Ambient Vibration and Lidar Data. *Frontiers in Built Environment*, **2017**, 3,	2.2	16
20	Comparative Study on Modal Identification of a 10 Story RC Structure Using Free, Ambient and Forced Vibration Data. *Conference Proceedings of the Society for Experimental Mechanics*, **2017**, 267-276	0.3	0
19	Finite Element Modeling of a Reinforced Concrete Frame with Masonry Infill and Mesh Reinforced Mortar Subjected to Earthquake Loading. *Earthquake Spectra*, **2016**, 32, 393-414	3.4	8
18	Effects of Prediction Error Bias on Model Calibration and Response Prediction of a 10-Story Building. *Conference Proceedings of the Society for Experimental Mechanics*, **2016**, 279-291	0.3	5
17	Analysis of the in-plane response of earthen masonry infill panels partitioned by sliding joints. *Earthquake Engineering and Structural Dynamics*, **2016**, 45, 1209-1232	4	17
16	Structural Assessment of a School Building in Sankhu, Nepal Damaged Due to Torsional Response During the 2015 Gorkha Earthquake. *Conference Proceedings of the Society for Experimental Mechanics*, **2016**, 31-41	0.3	10
15	Tension Development Length of Large-Diameter Bars for Severe Cyclic Loading. *ACI Structural Journal*, **2015**, 112,	1.7	6
14	Nonlinear finite element model updating of an infilled frame based on identified time-varying modal parameters during an earthquake. *Journal of Sound and Vibration*, **2014**, 333, 6057-6073	3.9	35
13	SEISMIC PERFORMANCE OF MASONRY-INFILLED RC FRAMES WITH AND WITHOUT RETROFIT. *Journal of Earthquake and Tsunami*, **2013**, 07, 1350023	1.1	3
12	Shake-Table Tests of a 3-Story Masonry-Infilled RC Frame Retrofitted with Composite Materials. *Journal of Structural Engineering*, **2013**, 139, 1340-1351	3	36
11	Finite-Element Model Updating for Assessment of Progressive Damage in a 3-Story Infilled RC Frame. *Journal of Structural Engineering*, **2013**, 139, 1665-1674	3	59
10	Nonlinear Finite Element Model Updating of a Large-Scale Infilled Frame Structures Based on Instantaneous Modal Parameters. *Conference Proceedings of the Society for Experimental Mechanics*, **2013**, 85-90	0.3	2
9	Shake-table tests of a three-story reinforced concrete frame with masonry infill walls. *Earthquake Engineering and Structural Dynamics*, **2012**, 41, 1089-1108	4	97
8	Numerical modeling of masonry-infilled RC frames subjected to seismic loads. *Computers and Structures*, **2011**, 89, 1026-1037	4.5	108
7	System Identification of a Three-Story Infilled RC Frame Tested on the UCSD-NEES Shake Table. *Conference Proceedings of the Society for Experimental Mechanics*, **2011**, 135-143	0.3	4

6	Damage Identification of a Three-Story Infilled RC Frame Tested on the UCSD-NEES Shake Table. *Conference Proceedings of the Society for Experimental Mechanics*, **2011**, 145-154	0.3	4
5	Finite-Element Modeling of Nonlinear Behavior of Masonry-Infilled RC Frames. *Journal of Structural Engineering*, **2010**, 136, 285-296	3	137
4	Evaluation of a Sprayable, Ductile Cement-Based Composite for the Seismic Retrofit of Unreinforced Masonry Infills **2009**,		12
3	Seismic Performance of Non-Ductile RC Frames with Brick Infill **2009**,		15
2	Hybrid testing and modeling of a suspended zipper steel frame. *Earthquake Engineering and Structural Dynamics*, **2009**, 39, n/a-n/a	4	2
1	Validation of a Fast Hybrid Test System with Substructure Tests **2006**, 1		6