

# Andreas Stavridis

## List of Publications by Year in descending order

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41  
papers

1,148  
citations

516710

16  
h-index

395702

33  
g-index

43  
all docs

43  
docs citations

43  
times ranked

822  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-Element Modeling of Nonlinear Behavior of Masonry-Infilled RC Frames. <i>Journal of Structural Engineering</i> , 2010, 136, 285-296.	3.4	184
2	Numerical modeling of masonry-infilled RC frames subjected to seismic loads. <i>Computers and Structures</i> , 2011, 89, 1026-1037.	4.4	148
3	Shake-table tests of a three-story reinforced concrete frame with masonry infill walls. <i>Earthquake Engineering and Structural Dynamics</i> , 2012, 41, 1089-1108.	4.4	120
4	Finite-Element Model Updating for Assessment of Progressive Damage in a 3-Story Infilled RC Frame. <i>Journal of Structural Engineering</i> , 2013, 139, 1665-1674.	3.4	75
5	Performance of Medium-to-High Rise Reinforced Concrete Frame Buildings with Masonry Infill in the 2015 Gorkha, Nepal, Earthquake. <i>Earthquake Spectra</i> , 2017, 33, 197-218.	3.1	49
6	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> , 2018, 17, 1129-1150.	7.5	49
7	Shake-Table Tests of a 3-Story Masonry-Infilled RC Frame Retrofitted with Composite Materials. <i>Journal of Structural Engineering</i> , 2013, 139, 1340-1351.	3.4	46
8	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> , 2014, 333, 6057-6073.	3.9	43
9	Numerical Investigation of the In-Plane Performance of Masonry-Infilled RC Frames with Sliding Subpanels. <i>Journal of Structural Engineering</i> , 2017, 143, .	3.4	43
10	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> , 2019, 123, 68-83.	8.0	43
11	Effects of variability in ambient vibration data on model updating and damage identification of a 10-story building. <i>Engineering Structures</i> , 2017, 151, 540-553.	5.3	36
12	Large-scale experimental investigation of a low-cost PVC "sand-wich" (PVC-s) seismic isolation for developing countries. <i>Earthquake Spectra</i> , 2020, 36, 1886-1911.	3.1	35
13	Analysis of the in-plane response of earthen masonry infill panels partitioned by sliding joints. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 1209-1232.	4.4	30
14	System identification and modeling of a dynamically tested and gradually damaged 10-story reinforced concrete building. <i>Earthquake Engineering and Structural Dynamics</i> , 2018, 47, 25-47.	4.4	28
15	Uncertainty quantification and propagation in dynamic models using ambient vibration measurements, application to a 10-story building. <i>Mechanical Systems and Signal Processing</i> , 2018, 107, 502-514.	8.0	25
16	Structural Identification of an 18-Story RC Building in Nepal Using Post-Earthquake Ambient Vibration and Lidar Data. <i>Frontiers in Built Environment</i> , 2017, 3, .	2.3	22
17	Seismic Performance of Non-Ductile RC Frames with Brick Infill. , 2009, , .		19
18	Evaluation of a Sprayable, Ductile Cement-Based Composite for the Seismic Retrofit of Unreinforced Masonry Infills. , 2009, , .		16

#	ARTICLE	IF	CITATIONS
19	Post-earthquake damage identification of an RC school building in Nepal using ambient vibration and point cloud data. <i>Engineering Structures</i> , 2021, 227, 111413.	5.3	16
20	Resilience deficit index for quantification of resilience. , 2022, 1, 1-9.		15
21	Validation of a Fast Hybrid Test System with Substructure Tests. , 2006, , 1.		12
22	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> , 2016, , 31-41.	0.5	11
23	Hybrid testing and modeling of a suspended zipper steel frame. <i>Earthquake Engineering and Structural Dynamics</i> , 2010, 39, 187-209.	4.4	10
24	Finite Element Modeling of a Reinforced Concrete Frame with Masonry Infill and Mesh Reinforced Mortar Subjected to Earthquake Loading. <i>Earthquake Spectra</i> , 2016, 32, 393-414.	3.1	10
25	Simulation Framework for Infilled RC Frames Subjected to Seismic Loads. <i>Earthquake Spectra</i> , 2019, 35, 1739-1762.	3.1	10
26	Nonlinear dynamic tests of a reinforced concrete frame building at different damage levels. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 924-945.	4.4	9
27	ATC Mw7.1 Puebla-Morelos earthquake reconnaissance observations: Structural observations and instrumentation. <i>Earthquake Spectra</i> , 2020, 36, 31-48.	3.1	6
28	Tension Development Length of Large-Diameter Bars for Severe Cyclic Loading. <i>ACI Structural Journal</i> , 2015, 112, .	0.2	6
29	SEISMIC PERFORMANCE OF MASONRY-INFILLED RC FRAMES WITH AND WITHOUT RETROFIT. <i>Journal of Earthquake and Tsunami</i> , 2013, 07, 1350023.	1.3	4
30	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> , 2011, , 135-143.	0.5	4
31	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> , 2011, , 145-154.	0.5	4
32	A computationally efficient framework for the simulation of the nonlinear seismic performance of infilled RC frame buildings. <i>Engineering Structures</i> , 2022, 259, 114039.	5.3	4
33	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> , 2013, , 85-90.	0.5	2
34	Finite-Element Modeling of Hybrid Concrete-Masonry Frames Subjected to In-Plane Loads. <i>Journal of Structural Engineering</i> , 2018, 144, 04017178.	3.4	2
35	ATC Mw7.1 Puebla-Morelos earthquake reconnaissance observations: Seismological, geotechnical, ground motions, site effects, and GIS mapping. <i>Earthquake Spectra</i> , 2020, 36, 5-30.	3.1	2
36	Structural Performance of a Railway Tunnel Under Different Fire Scenarios. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
37	Structural Identification of a Five-Story Reinforced Concrete Office Building in Nepal. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 235-237.	0.5	1
38	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.	0.5	1
39	Bayesian Model Updating of a Damaged School Building in Sankhu, Nepal. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 235-244.	0.5	1
40	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.	0.5	1
41	Numerical Assessment of URM Infilled RC Frames Retrofitted With Near-Surface Mounted Reinforcing Steel Bars. Frontiers in Built Environment, 2020, 6, .	2.3	0