S Farid Ghahari

List of Publications by Year
in descending order

29	500	840776	677142
papers	citations	11	22
		h-index	g-index

29	29	29	356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study on elastic response of structures to near-fault ground motions through record decomposition. Soil Dynamics and Earthquake Engineering, 2010, 30, 536-546.	3.8	86
2	Response–only modal identification of structures using strong motion data. Earthquake Engineering and Structural Dynamics, 2013, 42, 1221-1242.	4.4	66
3	Efficient model updating of a multi-story frame and its foundation stiffness from earthquake records using a timoshenko beam model. Soil Dynamics and Earthquake Engineering, 2017, 92, 25-35.	3.8	35
4	Blind identification of soil–structure systems. Soil Dynamics and Earthquake Engineering, 2013, 45, 56-69.	3.8	33
5	Bridge mode shape identification using moving vehicles at traffic speeds through non–parametric sparse matrix completion. Structural Control and Health Monitoring, 2021, 28, e2747.	4.0	31
6	Responses of Two Tall Buildings in Tokyo, Japan, before, during, and after the M9.0 Tohoku Earthquake of 11 March 2011. Earthquake Spectra, 2016, 32, 463-495.	3.1	28
7	Blind Modal Identification of Non-Classically Damped Systems from Free or Ambient Vibration Records. Earthquake Spectra, 2013, 29, 1137-1157.	3.1	23
8	An Investigation of Soil-Structure Interaction Effects Observed at the MIT Green Building. Earthquake Spectra, 2016, 32, 2425-2448.	3.1	23
9	Conditioned Simulation of Ground-Motion Time Series at Uninstrumented Sites Using Gaussian Process Regression. Bulletin of the Seismological Society of America, 2022, 112, 331-347.	2.3	22
10	Responses of a Tall Building with U.S. Code-Type Instrumentation in Tokyo, Japan, to Events before, during, and after the Tohoku Earthquake of 11 March 2011. Earthquake Spectra, 2016, 32, 497-522.	3.1	18
11	Bayesian identification of soil-foundation stiffness of building structures. Structural Control and Health Monitoring, 2018, 25, e2090.	4.0	18
12	Response study of the tallest California building inferred from the Mw7.1 Ridgecrest, California earthquake of 5 July 2019 and ambient motions. Earthquake Spectra, 2020, 36, 1096-1118.	3.1	14
13	Bridge Digital Twinning Using an Output-Only Bayesian Model Updating Method and Recorded Seismic Measurements. Sensors, 2022, 22, 1278.	3.8	12
14	Before and after Retrofit Behavior and Performance of a 55-Story Tall Building Inferred from Distant Earthquake and Ambient Vibration Data. Earthquake Spectra, 2017, 33, 1599-1626.	3.1	10
15	Considering rupture directivity effects, which structures should be named ˜long–period buildings™?. Structural Design of Tall and Special Buildings, 2013, 22, 165-178.	1.9	9
16	Output–only model updating of adjacent buildings from sparse seismic response records and identification of their common excitation. Structural Control and Health Monitoring, 2020, 27, e2597.	4.0	9
17	On the implementation and validation of a three–dimensional pressure–dependent bounding surface plasticity model for soil nonlinear wave propagation and soil–structure interaction analyses. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 1091-1119.	3.3	8
18	A validated lateral response model for mass timber frames with knee-braces. Engineering Structures, 2021, 239, 112278.	5.3	8

#	Article	IF	Citations
19	Influence of accelerometer type on uncertainties in recorded ground motions and seismic damage assessment. Bulletin of Earthquake Engineering, 2022, 20, 4419-4439.	4.1	7
20	Bayesian Joint State-Parameter-Input Estimation of Flexible-Base Buildings from Sparse Measurements Using Timoshenko Beam Models. Journal of Structural Engineering, 2021, 147, .	3.4	6
21	Influence of Sensor Density on Seismic Damage Assessment: A Case Study for Istanbul. Bulletin of the Seismological Society of America, 2022, 112, 2156-2169.	2.3	6
22	Effects of Soil-Structure Interaction on Response of Structures Subjected to Near-Fault Earthquake Records. AIP Conference Proceedings, 2008, , .	0.4	5
23	Unusual Downhole and Surface Free‑Field Records Near the Carquinez Strait Bridges during the 24 August 2014 M_w 6.0 South Napa, California, Earthquake. Seismological Research Letters, 2015, 86, 1128-1134.	1.9	5
24	A Nonlinear Model Inversion to Estimate Dynamic Soil Stiffness of Building Structures. , 2018, , .		4
25	Responses of the odd couple Carquinez, CA, suspension bridge during the Mw6.0 south Napa earthquake of August 24, 2014. Journal of Civil Structural Health Monitoring, 2019, 9, 719-739.	3.9	3
26	Identification of Soil-Structure Systems. Springer Tracts in Civil Engineering, 2019, , 139-167.	0.5	3
27	Considering Wave Passage Effects in Blind Identification of Long-Span Bridges. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 53-66.	0.5	3
28	Earthquake Early Warning for Estimating Floor Shaking Levels of Tall Buildings. Bulletin of the Seismological Society of America, 2022, 112, 820-849.	2.3	3
29	Dynamic Characteristics of a 55-Story Building Before and After Retrofit. Lecture Notes in Civil Engineering, 2018, , 656-666.	0.4	2