Petros I Komodromos

List of Publications by Year
in descending order

30 papers	900 citations	471509 17 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	462 citing authors

#	ARTICLE	IF	CITATIONS
1	Rubber Shock Absorbers as a Mitigation Technique for Earthquake-Induced Pounding. , 2021, , 1-18.		0
2	Effect of ground motion directionality on the seismic response of base isolated buildings pounding against adjacent structures. Engineering Structures, 2020, 207, 110202.	5.3	38
3	Earthquake vulnerability of ancient multi-drum columns with a single epistyle. Procedia Structural Integrity, 2020, 29, 111-117.	0.8	0
4	Spatial seismic modeling of baseâ€isolated buildings pounding against moat walls: effects of ground motion directionality and mass eccentricity. Earthquake Engineering and Structural Dynamics, 2017, 46, 1161-1179.	4.4	22
5	Effect of Planar Impact Modeling on the Pounding Response of Base-Isolated Buildings. Frontiers in Built Environment, 2016, 2, .	2.3	10
6	Two-dimensional numerical investigation of the effects of multiple sequential earthquake excitations on ancient multi-drum columns. Earthquake and Structures, 2016, 10, 495-521.	1.0	9
7	Numerical Modeling of Historic Masonry Structures. , 2016, , 27-68.		1
8	Optimized retrofit of multi-storey buildings using seismic isolation at various elevations: assessment for several earthquake excitations. Bulletin of Earthquake Engineering, 2015, 13, 2745-2768.	4.1	18
9	Effect of the seismic excitation angle on the dynamic response of adjacent buildings during pounding. Earthquake and Structures, 2015, 8, 1127-1146.	1.0	9
10	Numerical Modeling of Historic Masonry Structures. Advances in Civil and Industrial Engineering Book Series, 2015, , 213-256.	0.2	41
11	Rubber Shock Absorbers as a Mitigation Technique for Earthquake-Induced Pounding. , 2015, , 2395-2412.		0
12	An efficient methodology for simulating earthquakeâ€induced 3D pounding of buildings. Earthquake Engineering and Structural Dynamics, 2014, 43, 985-1003.	4.4	43
13	On the response of base-isolated buildings using bilinear models for LRBs subjected to pulse-like ground motions: sharp vs. smooth behaviour. Earthquake and Structures, 2014, 7, 1223-1240.	1.0	12
14	A nonlinear impact model for simulating the use of rubber shock absorbers for mitigating the effects of structural pounding during earthquakes. Earthquake Engineering and Structural Dynamics, 2013, 42, 81-100.	4.4	77
15	Assessing the effect of inherent nonlinearities in the analysis and design of a low-rise base isolated steel building. Earthquake and Structures, 2013, 5, 499-526.	1.0	10
16	Numerical Investigation of the Effectiveness of Rubber Shock-Absorbers as a Mitigation Measure for Earthquake-Induced Structural Poundings. Computational Methods in Applied Sciences (Springer), 2013, , 417-436.	0.3	2
17	Optimized earthquake response of multiâ€storey buildings with seismic isolation at various elevations. Earthquake Engineering and Structural Dynamics, 2012, 41, 2289-2310.	4.4	29
18	Investigating the seismic response of ancient multi-drum colonnades with two rows of columns using an object-oriented designed software. Advances in Engineering Software, 2012, 44, 136-149.	3.8	23

#	ARTICLE	IF	CITATIONS
19	Assessing the suitability of equivalent linear elastic analysis of seismically isolated multi-storey buildings. Computers and Structures, 2011, 89, 1920-1931.	4.4	22
20	Numerical investigation of potential mitigation measures for poundings of seismically isolated buildings. Earthquake and Structures, 2011, 2, 1-24.	1.0	39
21	Seismic Behaviour of Ancient Multidrum Structures. Computational Methods in Applied Sciences (Springer), 2011, , 237-264.	0.3	1
22	On poundings of a seismically isolated building with adjacent structures during strong earthquakes. Earthquake Engineering and Structural Dynamics, 2010, 39, 933-940.	4.4	21
23	Earthquake-induced poundings of a seismically isolated building with adjacent structures. Engineering Structures, 2010, 32, 1937-1951.	5.3	93
24	Planar investigation of the seismic response of ancient columns and colonnades with epistyles using a custom-made software. Soil Dynamics and Earthquake Engineering, 2009, 29, 1437-1454.	3.8	79
25	Simulation of the earthquake-induced pounding of seismically isolated buildings. Computers and Structures, 2008, 86, 618-626.	4.4	67
26	Simulation of the response of ancient columns under harmonic and earthquake excitations. Engineering Structures, 2008, 30, 2154-2164.	5.3	59
27	Response of seismically isolated buildings considering poundings. Earthquake Engineering and Structural Dynamics, 2007, 36, 1605-1622.	4.4	137
28	A simplified updated Lagrangian approach for combining discrete and finite element methods. Computational Mechanics, 2005, 35, 305-313.	4.0	14
29	Dynamic simulation of multiple deformable bodies using combined discrete and finite element methods. Engineering Computations, 2004, 21, 431-448.	1.4	19
30	Utilization of Java and Database Technology in the Development of a Combined Discrete and Finite Element Multibody Dynamics Simulator. , 2002, , 118.		5