George D Hatzigeorgiou

List of Publications by Year
in descending order

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53	2,363	279701 23	223716 46
papers	citations	h-index	g-index

57	57	57	1436
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A displacement/damage controlled seismic design method for MRFs with concrete-filled steel tubular columns and composite beams. Soil Dynamics and Earthquake Engineering, 2021, 143, 106608.	1.9	0
2	Inelastic lateral and seismic behaviour of concrete-filled steel tubular pile foundations. Soil Dynamics and Earthquake Engineering, 2021, 143, 106657.	1.9	7
3	Constant-ductility inelastic displacement, velocity and acceleration ratios for systems subjected to simple pulses. Soil Dynamics and Earthquake Engineering, 2020, 131, 106027.	1.9	10
4	Safety of Oil/Gas Offshore Platforms Designed According to European Provisions under the Action of Pulse-Like Ground Motions. IOP Conference Series: Materials Science and Engineering, 2020, 960, 032107.	0.3	0
5	Seismic Design of Offshore Structures under Simplified Pulse-Like Earthquakes. CivilEng, 2020, 1, 310-325.	0.8	0
6	A New Method to Evaluate the Post-Earthquake Performance and Safety of Reinforced Concrete Structural Frame Systems. Infrastructures, 2020, 5, 16.	1.4	3
7	Optimization of Reinforced Concrete Retaining Walls Designed According to European Provisions. Infrastructures, 2020, 5, 46.	1.4	13
8	Safety and Performance of Offshore Platforms Subjected to Repeated Earthquakes. Infrastructures, 2020, 5, 38.	1.4	8
9	Existing RC structures strengthened by ties under seismic sequences considering uncertainty. Ce/Papers, 2019, 3, 177-181.	0.1	0
10	Seismic Analysis and Design of Composite Steel/Concrete Building Structures Involving Concrete-Filled Steel Tubular Columns. Geotechnical, Geological and Earthquake Engineering, 2018, , 387-411.	0.1	0
11	An Empirical Methodology for Seismic Damage Control of CFT-MRFs. Key Engineering Materials, 2018, 763, 75-81.	0.4	0
12	Inelastic behavior of circular concrete-filled steel tubes: monotonic versus cyclic response. Bulletin of Earthquake Engineering, 2017, 15, 5413-5434.	2.3	9
13	Water and wastewater steel tanks under multiple earthquakes. Soil Dynamics and Earthquake Engineering, 2017, 100, 445-453.	1.9	20
14	Seismic damage estimation of in-plane regular steel/concrete composite moment resisting frames. Engineering Structures, 2016, 115, 67-77.	2.6	21
15	Modeling of circular concrete-filled steel tubes subjected to cyclic lateral loading. Structures, 2016, 8, 75-93.	1.7	22
16	Seismic sequence effects on three-dimensional reinforced concrete buildings. Soil Dynamics and Earthquake Engineering, 2015, 72, 77-88.	1.9	74
17	Application of the hybrid force/displacement (HFD) seismic design method to composite steel/concrete plane frames. Journal of Constructional Steel Research, 2015, 115, 179-190.	1.7	10
18	Seismic behavior of composite steel/concrete MRFs: deformation assessment and behavior factors. Bulletin of Earthquake Engineering, 2015, 13, 3871-3896.	2.3	18

#	Article	IF	Citations
19	Modeling level selection for seismic analysis of concreteâ€filled steel tube/momentâ€resisting frames by using fragility curves. Earthquake Engineering and Structural Dynamics, 2015, 44, 199-220.	2.5	36
20	Maximum damping forces for structures with viscous dampers under near-source earthquakes. Engineering Structures, 2014, 68, 1-13.	2.6	41
21	Parameter identification of three hysteretic models for the simulation of the response of CFT columns to cyclic loading. Engineering Structures, 2014, 61, 44-60.	2.6	50
22	Evaluation of fundamental period of lowâ€rise and midâ€rise reinforced concrete buildings. Earthquake Engineering and Structural Dynamics, 2013, 42, 1599-1616.	2.5	32
23	Structural pounding between adjacent buildings subjected to strong ground motions. Part I: The effect of different structures arrangement. Earthquake Engineering and Structural Dynamics, 2013, 42, 1509-1528.	2.5	74
24	Structural pounding between adjacent buildings subjected to strong ground motions. Part II: The effect of multiple earthquakes. Earthquake Engineering and Structural Dynamics, 2013, 42, 1529-1545.	2.5	45
25	Heuristic optimization of cylindrical thin-walled steel tanks under seismic loads. Thin-Walled Structures, 2013, 64, 50-59.	2.7	9
26	A new damage index for plane steel frames exhibiting strength and stiffness degradation under seismic motion. Engineering Structures, 2013, 46, 727-736.	2.6	48
27	Investigation of story ductility demands of inelastic concrete frames subjected to repeated earthquakes. Soil Dynamics and Earthquake Engineering, 2013, 44, 42-53.	1.9	85
28	Recovery of spectral absolute acceleration and spectral relative velocity from their pseudo-spectral counterparts. Earthquake and Structures, 2013, 4, 489-508.	1.0	19
29	Inelastic velocity ratio. Earthquake Engineering and Structural Dynamics, 2012, 41, 2025-2041.	2.5	9
30	An assessment of seismic hazard and risk in the islands of Cephalonia and Ithaca, Greece. Soil Dynamics and Earthquake Engineering, 2012, 32, 15-25.	1.9	10
31	Seismic damage analysis of RC structures using fiber beam-column elements. Soil Dynamics and Earthquake Engineering, 2012, 32, 103-110.	1.9	24
32	Evaluation of maximum seismic displacements of SDOF systems from their residual deformation. Engineering Structures, 2011, 33, 3422-3431.	2.6	51
33	Dynamic inelastic structural analysis by the BEM: A review. Engineering Analysis With Boundary Elements, 2011, 35, 159-169.	2.0	21
34	Discussion on â€œDamping coefficients for near-fault ground motion response spectraâ€ Soil Dynamics and Earthquake Engineering, 2011, 31, 723-724.	1.9	1
35	On the use of the half-power bandwidth method to estimate damping in building structures. Soil Dynamics and Earthquake Engineering, 2011, 31, 1075-1079.	1.9	136
36	Behavior factors for nonlinear structures subjected to multiple near-fault earthquakes. Computers and Structures, 2010, 88, 309-321.	2.4	109

#	ARTICLE	IF	CITATIONS
37	Damping modification factors for SDOF systems subjected to nearâ€fault, farâ€fault and artificial earthquakes. Earthquake Engineering and Structural Dynamics, 2010, 39, 1239-1258.	2.5	71
38	Ductility demand spectra for multiple near- and far-fault earthquakes. Soil Dynamics and Earthquake Engineering, 2010, 30, 170-183.	1.9	143
39	Soilâ€"structure interaction effects on seismic inelastic analysis of 3-D tunnels. Soil Dynamics and Earthquake Engineering, 2010, 30, 851-861.	1.9	165
40	Nonlinear behaviour of RC frames under repeated strong ground motions. Soil Dynamics and Earthquake Engineering, 2010, 30, 1010-1025.	1.9	207
41	Inelastic displacement ratios for SDOF structures subjected to repeated earthquakes. Engineering Structures, 2009, 31, 2744-2755.	2.6	279
42	Dynamic Inelastic Analysis with BEM: Results and Needs. , 2009, , 193-208.		3
43	Direct damage-controlled design of plane steel moment-resisting frames using static inelastic analysis. Journal of Mechanics of Materials and Structures, 2009, 4, 1375-1393.	0.4	8
44	Numerical model for the behavior and capacity of circular CFT columns, Part I: Theory. Engineering Structures, 2008, 30, 1573-1578.	2.6	91
45	Numerical model for the behavior and capacity of circular CFT columns, Part II: Verification and extension. Engineering Structures, 2008, 30, 1579-1589.	2.6	42
46	Direct Damage-Controlled Design of Concrete Structures. Journal of Structural Engineering, 2007, 133, 205-215.	1.7	14
47	Minimum cost design of fibre-reinforced concrete-filled steel tubular columns. Journal of Constructional Steel Research, 2005, 61, 167-182.	1.7	23
48	Static analysis of 3D damaged solids and structures by BEM. Engineering Analysis With Boundary Elements, 2002, 26, 521-526.	2.0	14
49	Static, seismic and stability analyses of a prototype wind turbine steel tower. Engineering Structures, 2002, 24, 1015-1025.	2.6	211
50	Dynamic elastoplastic analysis of 3-D structures by the domain/boundary element method. Computers and Structures, 2002, 80, 339-347.	2.4	34
51	Dynamic analysis of 2-D and 3-D quasi-brittle solids and structures by D/BEM. Theoretical and Applied Mechanics, 2002, , 39-48.	0.1	5
52	A SIMPLE CONCRETE DAMAGE MODEL FOR DYNAMIC FEM APPLICATIONS. International Journal of Computational Engineering Science, 2001, 02, 267-286.	0.1	28
53	Inelastic Displacement Ratio Spectrum for Near-Fault Ground Motions. International Journal of Engineering and Technology, 0, , 694-697.	0.1	9