

Jorge Ruiz-García

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,140
citations

279487

23
h-index

243296

44
g-index

48
all docs

48
docs citations

48
times ranked

975
citing authors

#	ARTICLE	IF	CITATIONS
1	Inelastic displacement ratios for evaluation of existing structures. Earthquake Engineering and Structural Dynamics, 2003, 32, 1237-1258.	2.5	214
2	Evaluation of drift demands in existing steel frames under as-recorded far-field and near-fault mainshock-aftershock seismic sequences. Engineering Structures, 2011, 33, 621-634.	2.6	206
3	Evaluation of approximate methods to estimate maximum inelastic displacement demands. Earthquake Engineering and Structural Dynamics, 2002, 31, 539-560.	2.5	203
4	Residual displacement ratios for assessment of existing structures. Earthquake Engineering and Structural Dynamics, 2006, 35, 315-336.	2.5	158
5	Mainshock-Aftershock Ground Motion Features and Their Influence in Building's Seismic Response. Journal of Earthquake Engineering, 2012, 16, 719-737.	1.4	118
6	Evaluation of residual drift demands in regular multi-storey frames for performance-based seismic assessment. Earthquake Engineering and Structural Dynamics, 2006, 35, 1609-1629.	2.5	106
7	Inelastic displacement ratios for evaluation of structures built on soft soil sites. Earthquake Engineering and Structural Dynamics, 2006, 35, 679-694.	2.5	98
8	Aftershock seismic assessment taking into account postmainshock residual drifts. Earthquake Engineering and Structural Dynamics, 2015, 44, 1391-1407.	2.5	88
9	Probabilistic estimation of residual drift demands for seismic assessment of multi-story framed buildings. Engineering Structures, 2010, 32, 11-20.	2.6	86
10	Inelastic Displacement Ratios for Seismic Assessment of Structures Subjected to Forward-Directivity Near-Fault Ground Motions. Journal of Earthquake Engineering, 2011, 15, 449-468.	1.4	84
11	Inelastic Displacement Ratios for Design of Structures on Soft Soils Sites. Journal of Structural Engineering, 2004, 130, 2051-2061.	1.7	80
12	Influence of stiffness degradation on strength demands of structures built on soft soil sites. Engineering Structures, 2002, 24, 1271-1281.	2.6	78
13	Probabilistic estimation of maximum inelastic displacement demands for performance-based design. Earthquake Engineering and Structural Dynamics, 2007, 36, 1235-1254.	2.5	59
14	Residual drift demands in moment-resisting steel frames subjected to narrow-band earthquake ground motions. Earthquake Engineering and Structural Dynamics, 2013, 42, 1583-1598.	2.5	52
15	Drift-based fragility assessment of confined masonry walls in seismic zones. Engineering Structures, 2009, 31, 170-181.	2.6	51
16	Effect of seismic sequences in reinforced concrete frame buildings located in soft-soil sites. Soil Dynamics and Earthquake Engineering, 2014, 63, 56-68.	1.9	45
17	Residual displacement demands of conventional and dual oscillators subjected to earthquake ground motions characteristic of the soft soils of Mexico City. Soil Dynamics and Earthquake Engineering, 2017, 98, 206-221.	1.9	36
18	On the influence of strong-ground motion duration on residual displacement demands. Earthquake and Structures, 2010, 1, 327-344.	1.0	36

#	ARTICLE	IF	CITATIONS
19	Evaluation of approximate methods to estimate residual drift demands in steel framed buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2015, 44, 2837-2854.	2.5	35
20	Nonlinear response analysis of SDOF systems subjected to doublet earthquake ground motions: A case study on 2012 Varzaghanâ€“Ahar events. <i>Engineering Structures</i> , 2016, 110, 281-292.	2.6	31
21	Overview of collapsed buildings in Mexico City after the 19 September 2017 ($M_w > 7.1$) earthquake. <i>Earthquake Spectra</i> , 2020, 36, 83-109.	1.6	27
22	Influence of modeling assumptions and aftershock hazard level in the seismic response of post-mainshock steel framed buildings. <i>Engineering Structures</i> , 2017, 140, 437-446.	2.6	26
23	Three-dimensional response of steel moment-resisting buildings under seismic sequences. <i>Engineering Structures</i> , 2018, 175, 399-414.	2.6	24
24	Estimation of residual displacement ratios for simple structures built on soft-soil sites. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 100, 555-558.	1.9	22
25	Comparative seismic performance of steel frames retrofitted with buckling-restrained braces through the application of Force-Based and Displacement-Based approaches. <i>Soil Dynamics and Earthquake Engineering</i> , 2011, 31, 478-490.	1.9	20
26	Implementation of Displacement Coefficient method for seismic assessment of buildings built on soft soil sites. <i>Engineering Structures</i> , 2014, 59, 1-12.	2.6	19
27	Response to seismic sequences of short-period structures equipped with Buckling-Restrained Braces located on the lakebed zone of Mexico City. <i>Journal of Constructional Steel Research</i> , 2017, 137, 37-51.	1.7	17
28	Seismic behavior of steel eccentrically braced frames under soft-soil seismic sequences. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 115, 119-128.	1.9	14
29	Improving the Structural Reliability of Steel Frames Using Posttensioned Connections. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-10.	0.4	13
30	Prediction of residual displacement ratios for simple structures built on soft-soil sites of Mexico City. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 126, 105809.	1.9	10
31	Response of structures to seismic sequences corresponding to Mexican soft soils. <i>Earthquake and Structures</i> , 2014, 7, 1241-1258.	1.0	9
32	Examination of the vertical earthquake ground motion component during the September 19, 2017 (M_w) Tj ETQq0 0.0 rgBT /Qverlock 10	1.9	8
33	Observations of Rayleigh waves in Mexico City Valley during the 19 September 2017 Pueblaâ€“Morelos, Mexico earthquake. <i>Earthquake Spectra</i> , 2020, 36, 62-82.	1.6	8
34	Flexible Frames as Self-Centering Mechanism for Buildings Having Buckling-Restrained Braces. <i>Journal of Earthquake Engineering</i> , 2015, 19, 978-990.	1.4	7
35	Evaluation of the Coefficient Method for estimation of maximum roof displacement demand of existing buildings subjected to near-fault ground motions. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 121, 276-280.	1.9	7
36	Seismic assessment of school buildings with short captive RC columns under subduction seismic sequences. <i>Structures</i> , 2021, 34, 2432-2444.	1.7	7

#	ARTICLE	IF	CITATIONS
37	Discussion on "Effects of multiple earthquakes on inelastic structural response"; Engineering Structures, 2014, 58, 110-111.	2.6	6
38	Assessment of permanent drift demands in steel moment-resisting steel buildings due to recorded near-fault forward directivity earthquake ground motions and velocity pulse models. Structures, 2020, 27, 1260-1273.	1.7	6
39	Seismic performance assessment of weak first-storey RC buildings designed with old and new seismic provisions for Mexico City. Engineering Structures, 2021, 232, 111803.	2.6	6
40	A Simplified Drift-Based Assessment Procedure for Regular Confined Masonry Buildings in Seismic Regions. Journal of Earthquake Engineering, 2009, 13, 520-539.	1.4	5
41	Evaluation of seismic displacement demands from the September 19, 2017 Puebla-Morelos (Mw = 7.1) earthquake in Mexico City. Earthquake Engineering and Structural Dynamics, 2018, 47, 2726-2732.	2.5	5
42	Evaluation of approximate methods for estimating maximum displacement response of MDOF systems. Soil Dynamics and Earthquake Engineering, 2017, 101, 125-136.	1.9	3
43	New vertical-to-horizontal ratio spectrum due to intraslab earthquakes for soft-soil sites of Mexico City. Soil Dynamics and Earthquake Engineering, 2019, 126, 105804.	1.9	3
44	Evaluation of Coefficient Method for Seismic Assessment of Existing Buildings Built on Soft Soil Sites. , 2009, , .		2
45	Discussion on "Residual displacement ratios of SDOF systems subjected to ground motions recorded on soft soil sites" by Ji D, Wen W, Zhai C, Katsanos EI [Soil Dyn Earthq Eng 115 (2018) 331-335]. Soil Dynamics and Earthquake Engineering, 2019, 120, 449-450.	1.9	1
46	Collapse strength ratios for weak first-story buildings under soft soil intraslab earthquakes. Soil Dynamics and Earthquake Engineering, 2021, 151, 107004.	1.9	1
47	Seismic resilience assessment of low- and medium-rise existing eccentrically braced steel frames in Mexico City. Bulletin of Earthquake Engineering, 2022, 20, 1567-1590.	2.3	0
48	Discussion of Post-earthquake fast damage assessment using residual displacement and seismic energy: Application to Mexico City. Earthquake Spectra, 0, , 875529302110688.	1.6	0