# Jorge Ruiz-GarcÃ-a

List of Publications by Year
in descending order

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|---|---|---|---|
| 48 papers | 2,140 citations | 279798 23 h-index | 243625 44 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 975 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Seismic resilience assessment of low- and medium-rise existing eccentrically braced steel frames in Mexico City. Bulletin of Earthquake Engineering, 2022, 20, 1567-1590. | 4.1 | 0 |
| 2 | Seismic performance assessment of weak first-storey RC buildings designed with old and new seismic provisions for Mexico City. Engineering Structures, 2021, 232, 111803. | 5.3 | 6 |
| 3 | Seismic assessment of school buildings with short captive RC columns under subduction seismic sequences. Structures, 2021, 34, 2432-2444. | 3.6 | 7 |
| 4 | Collapse strength ratios for weak first-story buildings under soft soil intraslab earthquakes. Soil Dynamics and Earthquake Engineering, 2021, 151, 107004. | 3.8 | 1 |
| 5 | Overview of collapsed buildings in Mexico City after the 19 September 2017 (M<sub>w</sub>7.1) earthquake. Earthquake Spectra, 2020, 36, 83-109. | 3.1 | 27 |
| 6 | Observations of Rayleigh waves in Mexico City Valley during the 19 September 2017 Pueblaâ€“Morelos, Mexico earthquake. Earthquake Spectra, 2020, 36, 62-82. | 3.1 | 8 |
| 7 | 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. | 3.6 | 6 |
| 8 | Improving the Structural Reliability of Steel Frames Using Posttensioned Connections. Advances in Civil Engineering, 2019, 2019, 1-10. | 0.7 | 13 |
| 9 | Prediction of residual displacement ratios for simple structures built on soft-soil sites of Mexico City. Soil Dynamics and Earthquake Engineering, 2019, 126, 105809. | 3.8 | 10 |
| 10 | 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. | 3.8 | 3 |
| 11 | Evaluation of the Coefficient Method for estimation of maximum roof displacement demand of existing buildings subjected to near-fault ground motions. Soil Dynamics and Earthquake Engineering, 2019, 121, 276-280. | 3.8 | 7 |
| 12 | Discussion on â€œResidual displacement ratios of SDOF systems subjected to ground motions recorded on soft soil sitesâ€•by Ji D, Wen W, Zhai C, Katsanos EI [Soil Dyn Earthq Eng 115 (2018) 331â€“335]. Soil Dynamics and Earthquake Engineering, 2019, 120, 449-450. | 3.8 | 1 |
| 13 | Examination of the vertical earthquake ground motion component during the September 19, 2017 (Mw) Tj ETQq1 1 0.784314 rgBT /Ov | 3.8 | 8 |
| 14 | Seismic behavior of steel eccentrically braced frames under soft-soil seismic sequences. Soil Dynamics and Earthquake Engineering, 2018, 115, 119-128. | 3.8 | 14 |
| 15 | Three-dimensional response of steel moment-resisting buildings under seismic sequences. Engineering Structures, 2018, 175, 399-414. | 5.3 | 24 |
| 16 | Evaluation of seismic displacement demands from the September 19, 2017 Pueblaâ€Morelos (Mw = 7.1) earthquake in Mexico City. Earthquake Engineering and Structural Dynamics, 2018, 47, 2726-2732. | 4.4 | 5 |
| 17 | Influence of modeling assumptions and aftershock hazard level in the seismic response of post-mainshock steel framed buildings. Engineering Structures, 2017, 140, 437-446. | 5.3 | 26 |
| 18 | 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. | 3.8 | 36 |

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|---|---|---|---|
| 19 | Estimation of residual displacement ratios for simple structures built on soft-soil sites. Soil Dynamics and Earthquake Engineering, 2017, 100, 555-558. | 3.8 | 22 |
| 20 | Evaluation of approximate methods for estimating maximum displacement response of MDOF systems. Soil Dynamics and Earthquake Engineering, 2017, 101, 125-136. | 3.8 | 3 |
| 21 | Response to seismic sequences of short-period structures equipped with Buckling-Restrained Braces located on the lakebed zone of Mexico City. Journal of Constructional Steel Research, 2017, 137, 37-51. | 3.9 | 17 |
| 22 | Nonlinear response analysis of SDOF systems subjected to doublet earthquake ground motions: A case study on 2012 Varzaghanâ€“Ahar events. Engineering Structures, 2016, 110, 281-292. | 5.3 | 31 |
| 23 | Evaluation of approximate methods to estimate residual drift demands in steel framed buildings. Earthquake Engineering and Structural Dynamics, 2015, 44, 2837-2854. | 4.4 | 35 |
| 24 | Flexible Frames as Self-Centering Mechanism for Buildings Having Buckling-Restrained Braces. Journal of Earthquake Engineering, 2015, 19, 978-990. | 2.5 | 7 |
| 25 | Aftershock seismic assessment taking into account postmainshock residual drifts. Earthquake Engineering and Structural Dynamics, 2015, 44, 1391-1407. | 4.4 | 88 |
| 26 | Implementation of Displacement Coefficient method for seismic assessment of buildings built on soft soil sites. Engineering Structures, 2014, 59, 1-12. | 5.3 | 19 |
| 27 | Discussion on â€œEffects of multiple earthquakes on inelastic structural responseâ€• Engineering Structures, 2014, 58, 110-111. | 5.3 | 6 |
| 28 | Effect of seismic sequences in reinforced concrete frame buildings located in soft-soil sites. Soil Dynamics and Earthquake Engineering, 2014, 63, 56-68. | 3.8 | 45 |
| 29 | Response of structures to seismic sequences corresponding to Mexican soft soils. Earthquake and Structures, 2014, 7, 1241-1258. | 1.0 | 9 |
| 30 | Residual drift demands in momentâ€resisting steel frames subjected to narrowâ€band earthquake ground motions. Earthquake Engineering and Structural Dynamics, 2013, 42, 1583-1598. | 4.4 | 52 |
| 31 | Mainshock-Aftershock Ground Motion Features and Their Influence in Building's Seismic Response. Journal of Earthquake Engineering, 2012, 16, 719-737. | 2.5 | 118 |
| 32 | Inelastic Displacement Ratios for Seismic Assessment of Structures Subjected to Forward-Directivity Near-Fault Ground Motions. Journal of Earthquake Engineering, 2011, 15, 449-468. | 2.5 | 84 |
| 33 | Evaluation of drift demands in existing steel frames under as-recorded far-field and near-fault mainshockâ€“aftershock seismic sequences. Engineering Structures, 2011, 33, 621-634. | 5.3 | 206 |
| 34 | Comparative seismic performance of steel frames retrofitted with buckling-restrained braces through the application of Force-Based and Displacement-Based approaches. Soil Dynamics and Earthquake Engineering, 2011, 31, 478-490. | 3.8 | 20 |
| 35 | Probabilistic estimation of residual drift demands for seismic assessment of multi-story framed buildings. Engineering Structures, 2010, 32, 11-20. | 5.3 | 86 |
| 36 | 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 |
|---|---|---|---|
| 37 | A Simplified Drift-Based Assessment Procedure for Regular Confined Masonry Buildings in Seismic Regions. Journal of Earthquake Engineering, 2009, 13, 520-539. | 2.5 | 5 |
| 38 | Evaluation of Coefficient Method for Seismic Assessment of Existing Buildings Built on Soft Soil Sites. , 2009, , . | | 2 |
| 39 | Drift-based fragility assessment of confined masonry walls in seismic zones. Engineering Structures, 2009, 31, 170-181. | 5.3 | 51 |
| 40 | Probabilistic estimation of maximum inelastic displacement demands for performance-based design. Earthquake Engineering and Structural Dynamics, 2007, 36, 1235-1254. | 4.4 | 59 |
| 41 | Residual displacement ratios for assessment of existing structures. Earthquake Engineering and Structural Dynamics, 2006, 35, 315-336. | 4.4 | 158 |
| 42 | Inelastic displacement ratios for evaluation of structures built on soft soil sites. Earthquake Engineering and Structural Dynamics, 2006, 35, 679-694. | 4.4 | 98 |
| 43 | Evaluation of residual drift demands in regular multi-storey frames for performance-based seismic assessment. Earthquake Engineering and Structural Dynamics, 2006, 35, 1609-1629. | 4.4 | 106 |
| 44 | Inelastic Displacement Ratios for Design of Structures on Soft Soils Sites. Journal of Structural Engineering, 2004, 130, 2051-2061. | 3.4 | 80 |
| 45 | Inelastic displacement ratios for evaluation of existing structures. Earthquake Engineering and Structural Dynamics, 2003, 32, 1237-1258. | 4.4 | 214 |
| 46 | Evaluation of approximate methods to estimate maximum inelastic displacement demands. Earthquake Engineering and Structural Dynamics, 2002, 31, 539-560. | 4.4 | 203 |
| 47 | Influence of stiffness degradation on strength demands of structures built on soft soil sites. Engineering Structures, 2002, 24, 1271-1281. | 5.3 | 78 |
| 48 | Discussion of Post-earthquake fast damage assessment using residual displacement and seismic energy: Application to Mexico City. Earthquake Spectra, 0, , 875529302110688. | 3.1 | 0 |