

Ricardo Monteiro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|-------------------|-------------------------|----------------|-----------------|
| 80 papers | 971 citations | 17 h-index | 27 g-index |
| 98 ext. papers | 1,250 ext. citations | 2.9 avg, IF | 5.16 L-index |

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 80 | Optimal seismic retrofitting of existing buildings considering environmental impact. <i>Engineering Structures</i> , 2022 , 250, 113391 | 4.7 | 5 |
| 79 | Seismic acceleration demand and fragility assessment of storage tanks installed in industrial steel moment-resisting frame structures. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 152, 107016 | 3.5 | 2 |
| 78 | Simplified modelling and pushover analysis of infilled frame structures accounting for strut flexibility. <i>Earthquake Engineering and Structural Dynamics</i> , 2022 , 51, 1383-1409 | 4 | |
| 77 | Simplified methodology for indirect loss-based prioritization in roadway bridge network risk assessment. <i>International Journal of Disaster Risk Reduction</i> , 2022 , 102948 | 4.5 | 0 |
| 76 | Detailed Structural Characterization of Existing RC Buildings for Seismic Exposure Modelling of the Lisbon Area. <i>Buildings</i> , 2022 , 12, 642 | 3.2 | |
| 75 | Satellite precipitation-based extreme event detection for flood index insurance. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 55, 102108 | 4.5 | 3 |
| 74 | Nonlinear static characterisation of masonry-infilled RC building portfolios accounting for variability of infill properties. <i>Bulletin of Earthquake Engineering</i> , 2021 , 19, 2597-2641 | 3.7 | 4 |
| 73 | Development of exposure datasets for earthquake damage and risk modelling: the case study of northern Algeria. <i>Bulletin of Earthquake Engineering</i> , 2021 , 19, 5253-5283 | 3.7 | 3 |
| 72 | Crowdsourcing Exposure Data for Seismic Vulnerability Assessment in Developing Countries. <i>Journal of Earthquake Engineering</i> , 2021 , 25, 835-852 | 1.8 | 9 |
| 71 | Extension of displacement-based simplified procedures to the seismic loss assessment of multi-span RC bridges. <i>Earthquake Engineering and Structural Dynamics</i> , 2021 , 50, 1101-1124 | 4 | 4 |
| 70 | Probabilistic Seismic Risk Assessment of School Buildings. <i>Lecture Notes in Civil Engineering</i> , 2021 , 15-38 | 0.3 | |
| 69 | Seismic Acceleration and Displacement Demand Profiles of Non-Structural Elements in Hospital Buildings. <i>Buildings</i> , 2020 , 10, 243 | 3.2 | 9 |
| 68 | Development of Fragility Curves for Single-Column RC Italian Bridges Using Nonlinear Static Analysis. <i>Journal of Earthquake Engineering</i> , 2020 , 1-25 | 1.8 | 5 |
| 67 | Simplified damage models for circular section reinforced concrete bridge columns. <i>Engineering Structures</i> , 2020 , 217, 110794 | 4.7 | 6 |
| 66 | Displacement-Based Framework for Simplified Seismic Loss Assessment. <i>Journal of Earthquake Engineering</i> , 2020 , 24, 1-22 | 1.8 | 16 |
| 65 | Estimation of Seismic Expected Annual Losses for Multi-Span Continuous RC Bridge Portfolios Using a Component-Level Approach. <i>Journal of Earthquake Engineering</i> , 2020 , 1-27 | 1.8 | 8 |
| 64 | A rational approach to the conversion of FEMA P-58 seismic repair costs to Europe. <i>Earthquake Spectra</i> , 2020 , 36, 1607-1618 | 3.4 | 10 |

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| 63 | Earthquake-induced loss assessment of steel buildings designed to Eurocode 8. <i>Engineering Structures</i> , 2020 , 208, 110244 | 4.7 | 12 |
| 62 | A resilience-based method for prioritizing post-event building inspections. <i>Natural Hazards</i> , 2020 , 100, 877-896 | 3 | 6 |
| 61 | Assessing seismic risk in typical Italian school buildings: From in-situ survey to loss estimation. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 44, 101448 | 4.5 | 18 |
| 60 | Simplified seismic assessment of infilled RC frame structures. <i>Bulletin of Earthquake Engineering</i> , 2020 , 18, 1579-1611 | 3.7 | 8 |
| 59 | Seismic retrofit of existing school buildings in Italy: Performance evaluation and loss estimation. <i>Engineering Structures</i> , 2020 , 225, 111243 | 4.7 | 15 |
| 58 | Numerical Modelling and Validation of the Response of Masonry Infilled RC Frames Using Experimental Testing Results. <i>Buildings</i> , 2020 , 10, 182 | 3.2 | 12 |
| 57 | Brace-to-frame connection modelling effects on seismic loss assessment of steel concentrically-braced frames. <i>Journal of Constructional Steel Research</i> , 2020 , 172, 106230 | 3.8 | 4 |
| 56 | Development of a seismic social vulnerability model for northern Algeria. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 50, 101821 | 4.5 | 1 |
| 55 | Current Challenges and Future Trends in Analytical Fragility and Vulnerability Modeling. <i>Earthquake Spectra</i> , 2019 , 35, 1927-1952 | 3.4 | 71 |
| 54 | Practical considerations on the design of concentrically-braced steel frames to Eurocode 8. <i>Journal of Constructional Steel Research</i> , 2019 , 158, 71-85 | 3.8 | 9 |
| 53 | Towards Large Scale Seismic Risk Assessment in Algeria: Case Study to the City of Blida. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 603, 052065 | 0.4 | 0 |
| 52 | Development of Fragility Curves for Multi-Span RC Bridges using Generalized Pushover Analysis 2019 , | | 1 |
| 51 | ON THE EFFICIENT RISK ASSESSMENT OF BRIDGE STRUCTURES 2019 , | | 5 |
| 50 | USING DIRECT ECONOMIC LOSSES AND COLLAPSE RISK FOR SEISMIC DESIGN OF RC BUILDINGS 2019 , | | 2 |
| 49 | A Preliminary Seismic Hazard Modelling in Northern Algeria. <i>Advances in Science, Technology and Innovation</i> , 2019 , 231-235 | 0.3 | 2 |
| 48 | Concentrated-plasticity modelling of circular concrete-filled steel tubular members under flexure. <i>Structures</i> , 2019 , 21, 156-166 | 3.4 | 1 |
| 47 | Critical Assessment of Estimation Procedures for Floor Acceleration Demands in Steel Moment-Resisting Frames. <i>Frontiers in Built Environment</i> , 2019 , 5, | 2.2 | 3 |
| 46 | On the Seismic Fragility Assessment of Concrete Gravity Dams in Eastern Canada. <i>Earthquake Spectra</i> , 2019 , 35, 211-231 | 3.4 | 7 |

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| 45 | Probabilistic models for structures with bilinear demand-intensity relationships. <i>Earthquake Engineering and Structural Dynamics</i> , 2019 , 48, 253-268 | 4 | 11 |
| 44 | System Identification and Seismic Assessment Modeling Implications for Italian School Buildings. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04018089 | 2 | 22 |
| 43 | Once upon a Time in Italy: The Tale of the Morandi Bridge. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2019 , 29, 198-217 | 1 | 77 |
| 42 | Critical Assessment of Intensity Measures for Seismic Response of Italian RC Bridge Portfolios. <i>Journal of Earthquake Engineering</i> , 2019 , 23, 980-1000 | 1.8 | 22 |
| 41 | Derivation of Fragility Functions for Seismic Assessment of RC Bridge Portfolios Using Different Intensity Measures. <i>Journal of Earthquake Engineering</i> , 2019 , 23, 1678-1694 | 1.8 | 14 |
| 40 | Experimental Study and Numerical Assessment of the Flexural Behaviour of Square and Rectangular CFST Members under Monotonic and Cyclic Loading. <i>Key Engineering Materials</i> , 2018 , 763, 804-811 | 0.4 | 2 |
| 39 | Seismic retrofit options for non-structural building partition walls: Impact on loss estimation and cost-benefit analysis. <i>Engineering Structures</i> , 2018 , 161, 8-27 | 4.7 | 43 |
| 38 | Seismic behavior of two Portuguese adobe buildings: Part I - in-plane cyclic testing of a full-scale adobe wall. <i>International Journal of Architectural Heritage</i> , 2018 , 12, 922-935 | 2.1 | 8 |
| 37 | Seismic behavior of two Portuguese adobe buildings: part II Numerical modeling and fragility assessment. <i>International Journal of Architectural Heritage</i> , 2018 , 12, 936-950 | 2.1 | 8 |
| 36 | Assessment of social vulnerability to seismic hazard in Nablus, Palestine. <i>International Journal of Disaster Risk Reduction</i> , 2018 , 28, 491-506 | 4.5 | 22 |
| 35 | An improved model for seismic risk assessment in Portugal. <i>International Journal of Disaster Resilience in the Built Environment</i> , 2018 , 9, 70-83 | 1.4 | 4 |
| 34 | Seismic assessment and loss estimation of existing school buildings in Italy. <i>Engineering Structures</i> , 2018 , 168, 142-162 | 4.7 | 64 |
| 33 | Modeling considerations in seismic assessment of RC bridges using state-of-practice structural analysis software tools. <i>Frontiers of Structural and Civil Engineering</i> , 2018 , 12, 109-124 | 2.5 | 2 |
| 32 | Assessing Seismic Social Vulnerability in Urban Centers [the Case-Study of Nablus, Palestine. <i>International Journal of Architectural Heritage</i> , 2018 , 12, 1216-1230 | 2.1 | 5 |
| 31 | Seismic Vulnerability Assessment of the Urban Building Environment in Nablus, Palestine. <i>International Journal of Architectural Heritage</i> , 2018 , 12, 1196-1215 | 2.1 | 11 |
| 30 | 08.38: Experimental characterisation of the flexural behaviour of rubberized concrete-filled steel tubular members. <i>Ce/Papers</i> , 2017 , 1, 2147-2156 | 0.3 | 0 |
| 29 | Monotonic and cyclic flexural behaviour of square/rectangular rubberized concrete-filled steel tubes. <i>Journal of Constructional Steel Research</i> , 2017 , 139, 385-396 | 3.8 | 17 |
| 28 | 08.36: Numerical modelling of circular CFST members and assessment of multi-axial stress state effects. <i>Ce/Papers</i> , 2017 , 1, 2128-2137 | 0.3 | |

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| 27 | Generalized force vectors for multi-mode pushover analysis of bridges. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 5247-5280 | 3.7 | 9 |
| 26 | Predictive models for post disaster shelter needs assessment. <i>International Journal of Disaster Risk Reduction</i> , 2017 , 21, 44-62 | 4.5 | 32 |
| 25 | Using the Scorecard Approach to Measure Seismic Social Resilience in Nablus, Palestine. <i>IFIP Advances in Information and Communication Technology</i> , 2017 , 77-92 | 0.5 | 2 |
| 24 | System Identification and Structural Modelling of Italian School Buildings. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017 , 301-303 | 0.3 | 3 |
| 23 | Seismic analysis of Portuguese adobe buildings 2017 , 803-808 | | 0 |
| 22 | Seismic performance of composite moment-resisting frames achieved with sustainable CFST members. <i>Frontiers of Structural and Civil Engineering</i> , 2016 , 10, 312-332 | 2.5 | 15 |
| 21 | Sampling based numerical seismic assessment of continuous span RC bridges. <i>Engineering Structures</i> , 2016 , 118, 407-420 | 4.7 | 25 |
| 20 | Parametric Characterization of RC Bridges for Seismic Assessment Purposes. <i>Structures</i> , 2016 , 7, 14-24 | 3.4 | 23 |
| 19 | Probabilistic Seismic Assessment of RC Bridges: Part II [Nonlinear Demand Prediction. <i>Structures</i> , 2016 , 5, 274-283 | 3.4 | 17 |
| 18 | Using the Conditional Spectrum Method for Improved Fragility Assessment of Concrete Gravity Dams in Eastern Canada. <i>Earthquake Spectra</i> , 2016 , 32, 1449-1468 | 3.4 | 19 |
| 17 | Probabilistic Seismic Assessment of RC Bridges: Part I [Uncertainty Models. <i>Structures</i> , 2016 , 5, 258-273 | 3.4 | 26 |
| 16 | TOWARDS INTEGRATED SEISMIC RISK ASSESSMENT IN PALESTINE - APPLICATION TO THE CITY OF NABLUS 2016 , | | 6 |
| 15 | Italian Seismic Sequences: Year 2000, the Emergency Phase in Romagna. <i>Procedia Engineering</i> , 2016 , 161, 2088-2092 | | 5 |
| 14 | Development of A Fragility and Exposure Model for Palestine [Application to The City of Nablus. <i>Procedia Engineering</i> , 2016 , 161, 2023-2029 | | 10 |
| 13 | Comparative Analysis of Existing Tools for Assessment of Post-Earthquake Short-Term Lodging Needs. <i>Procedia Engineering</i> , 2016 , 161, 2217-2221 | | 10 |
| 12 | Experimental assessment of the flexural behaviour of circular rubberized concrete-filled steel tubes. <i>Journal of Constructional Steel Research</i> , 2016 , 122, 557-570 | 3.8 | 33 |
| 11 | USING DIFFERENT UNCERTAINTY MODELS FOR SEISMIC ASSESSMENT OF RC BRIDGES 2015 , | | 2 |
| 10 | PERFORMANCE BASED EARTHQUAKE ENGINEERING APPROACH APPLIED TO BRIDGES IN A ROAD NETWORK 2015 , | | 6 |

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| 9 | IMPROVED FRAGILITY FUNCTIONS FOR RC BRIDGE POPULATIONS 2015 , | | 6 |
| 8 | Spectral reduction factors evaluation for seismic assessment of frame buildings. <i>Engineering Structures</i> , 2014 , 77, 129-142 | 4.7 | 15 |
| 7 | Evaluation of Nonlinear Static Procedures in the Assessment of Building Frames. <i>Earthquake Spectra</i> , 2013 , 29, 1459-1476 | 3.4 | 39 |
| 6 | Assessment of Continuous Span Bridges through Nonlinear Static Procedures. <i>Earthquake Spectra</i> , 2009 , 25, 143-159 | 3.4 | 43 |
| 5 | Verification of spectral reduction factors for seismic assessment of bridges. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2009 , 42, 111-121 | 0.5 | 20 |
| 4 | Story loss functions for seismic design and assessment: Development of tools and application. <i>Earthquake Spectra</i> , 875529302110235 | 3.4 | 1 |
| 3 | Probabilistic seismic assessment of reinforced concrete bridges using simulated records. <i>Structure and Infrastructure Engineering</i> , 1-21 | 2.9 | 1 |
| 2 | haselREC: an automated open-source ground motion record selection and scaling tool. <i>Bulletin of Earthquake Engineering</i> , 1 | 3.7 | 0 |
| 1 | Evaluation of intensity measure performance in regional seismic risk assessment of reinforced concrete bridge inventories. <i>Structure and Infrastructure Engineering</i> , 1-19 | 2.9 | 3 |