Ricardo Monteiro

List of Publications by Citations

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	Once upon a Time in Italy: The Tale of the Morandi Bridge. *Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)*, **2019**, 29, 198-217	1	77
79	Current Challenges and Future Trends in Analytical Fragility and Vulnerability Modeling. *Earthquake Spectra*, **2019**, 35, 1927-1952	3.4	71
78	Seismic assessment and loss estimation of existing school buildings in Italy. *Engineering Structures*, **2018**, 168, 142-162	4.7	64
77	Seismic retrofit options for non-structural building partition walls: Impact on loss estimation and cost-benefit analysis. *Engineering Structures*, **2018**, 161, 8-27	4.7	43
76	Assessment of Continuous Span Bridges through Nonlinear Static Procedures. *Earthquake Spectra*, **2009**, 25, 143-159	3.4	43
75	Evaluation of Nonlinear Static Procedures in the Assessment of Building Frames. *Earthquake Spectra*, **2013**, 29, 1459-1476	3.4	39
74	Experimental assessment of the flexural behaviour of circular rubberized concrete-filled steel tubes. *Journal of Constructional Steel Research*, **2016**, 122, 557-570	3.8	33
73	Predictive models for post disaster shelter needs assessment. *International Journal of Disaster Risk Reduction*, **2017**, 21, 44-62	4.5	32
72	Probabilistic Seismic Assessment of RC Bridges: Part I Uncertainty Models. *Structures*, **2016**, 5, 258-273	3.4	26
71	Sampling based numerical seismic assessment of continuous span RC bridges. *Engineering Structures*, **2016**, 118, 407-420	4.7	25
70	Parametric Characterization of RC Bridges for Seismic Assessment Purposes. *Structures*, **2016**, 7, 14-24	3.4	23
69	Assessment of social vulnerability to seismic hazard in Nablus, Palestine. *International Journal of Disaster Risk Reduction*, **2018**, 28, 491-506	4.5	22
68	System Identification and Seismic Assessment Modeling Implications for Italian School Buildings. *Journal of Performance of Constructed Facilities*, **2019**, 33, 04018089	2	22
67	Critical Assessment of Intensity Measures for Seismic Response of Italian RC Bridge Portfolios. *Journal of Earthquake Engineering*, **2019**, 23, 980-1000	1.8	22
66	Verification of spectral reduction factors for seismic assessment of bridges. *Bulletin of the New Zealand Society for Earthquake Engineering*, **2009**, 42, 111-121	0.5	20
65	Using the Conditional Spectrum Method for Improved Fragility Assessment of Concrete Gravity Dams in Eastern Canada. *Earthquake Spectra*, **2016**, 32, 1449-1468	3.4	19
64	Assessing seismic risk in typical Italian school buildings: From in-situ survey to loss estimation. *International Journal of Disaster Risk Reduction*, **2020**, 44, 101448	4.5	18

63	Monotonic and cyclic flexural behaviour of square/rectangular rubberized concrete-filled steel tubes. *Journal of Constructional Steel Research*, **2017**, 139, 385-396	3.8	17
62	Probabilistic Seismic Assessment of RC Bridges: Part II Nonlinear Demand Prediction. *Structures*, **2016**, 5, 274-283	3.4	17
61	Displacement-Based Framework for Simplified Seismic Loss Assessment. *Journal of Earthquake Engineering*, **2020**, 24, 1-22	1.8	16
60	Seismic performance of composite moment-resisting frames achieved with sustainable CFST members. *Frontiers of Structural and Civil Engineering*, **2016**, 10, 312-332	2.5	15
59	Spectral reduction factors evaluation for seismic assessment of frame buildings. *Engineering Structures*, **2014**, 77, 129-142	4.7	15
58	Seismic retrofit of existing school buildings in Italy: Performance evaluation and loss estimation. *Engineering Structures*, **2020**, 225, 111243	4.7	15
57	Derivation of Fragility Functions for Seismic Assessment of RC Bridge Portfolios Using Different Intensity Measures. *Journal of Earthquake Engineering*, **2019**, 23, 1678-1694	1.8	14
56	Earthquake-induced loss assessment of steel buildings designed to Eurocode 8. *Engineering Structures*, **2020**, 208, 110244	4.7	12
55	Numerical Modelling and Validation of the Response of Masonry Infilled RC Frames Using Experimental Testing Results. *Buildings*, **2020**, 10, 182	3.2	12
54	Probabilistic models for structures with bilinear demand-intensity relationships. *Earthquake Engineering and Structural Dynamics*, **2019**, 48, 253-268	4	11
53	Seismic Vulnerability Assessment of the Urban Building Environment in Nablus, Palestine. *International Journal of Architectural Heritage*, **2018**, 12, 1196-1215	2.1	11
52	A rational approach to the conversion of FEMA P-58 seismic repair costs to Europe. *Earthquake Spectra*, **2020**, 36, 1607-1618	3.4	10
51	Development of A Fragility and Exposure Model for Palestine Application to The City of Nablus. *Procedia Engineering*, **2016**, 161, 2023-2029		10
50	Comparative Analysis of Existing Tools for Assessment of Post-Earthquake Short-Term Lodging Needs. *Procedia Engineering*, **2016**, 161, 2217-2221		10
49	Practical considerations on the design of concentrically-braced steel frames to Eurocode 8. *Journal of Constructional Steel Research*, **2019**, 158, 71-85	3.8	9
48	Seismic Acceleration and Displacement Demand Profiles of Non-Structural Elements in Hospital Buildings. *Buildings*, **2020**, 10, 243	3.2	9
47	Generalized force vectors for multi-mode pushover analysis of bridges. *Bulletin of Earthquake Engineering*, **2017**, 15, 5247-5280	3.7	9
46	Crowdsourcing Exposure Data for Seismic Vulnerability Assessment in Developing Countries. *Journal of Earthquake Engineering*, **2021**, 25, 835-852	1.8	9

45	Estimation of Seismic Expected Annual Losses for Multi-Span Continuous RC Bridge Portfolios Using a Component-Level Approach. *Journal of Earthquake Engineering*, **2020**, 1-27	1.8	8
44	Seismic behavior of two Portuguese adobe buildings: Part I - in-plane cyclic testing of a full-scale adobe wall. *International Journal of Architectural Heritage*, **2018**, 12, 922-935	2.1	8
43	Seismic behavior of two Portuguese adobe buildings: part II Numerical modeling and fragility assessment. *International Journal of Architectural Heritage*, **2018**, 12, 936-950	2.1	8
42	Simplified seismic assessment of infilled RC frame structures. *Bulletin of Earthquake Engineering*, **2020**, 18, 1579-1611	3.7	8
41	On the Seismic Fragility Assessment of Concrete Gravity Dams in Eastern Canada. *Earthquake Spectra*, **2019**, 35, 211-231	3.4	7
40	Simplified damage models for circular section reinforced concrete bridge columns. *Engineering Structures*, **2020**, 217, 110794	4.7	6
39	TOWARDS INTEGRATED SEISMIC RISK ASSESSMENT IN PALESTINE - APPLICATION TO THE CITY OF NABLUS **2016**,		6
38	PERFORMANCE BASED EARTHQUAKE ENGINEERING APPROACH APPLIED TO BRIDGES IN A ROAD NETWORK **2015**,		6
37	IMPROVED FRAGILITY FUNCTIONS FOR RC BRIDGE POPULATIONS **2015**,		6
36	A resilience-based method for prioritizing post-event building inspections. *Natural Hazards*, **2020**, 100, 877-896	3	6
35	Development of Fragility Curves for Single-Column RC Italian Bridges Using Nonlinear Static Analysis. *Journal of Earthquake Engineering*, **2020**, 1-25	1.8	5
34	Assessing Seismic Social Vulnerability in Urban Centers The Case-Study of Nablus, Palestine. *International Journal of Architectural Heritage*, **2018**, 12, 1216-1230	2.1	5
33	Optimal seismic retrofitting of existing buildings considering environmental impact. *Engineering Structures*, **2022**, 250, 113391	4.7	5
32	ON THE EFFICIENT RISK ASSESSMENT OF BRIDGE STRUCTURES **2019**,		5
31	Italian Seismic Sequences: Year 2000, the Emergency Phase in Romagna. *Procedia Engineering*, **2016**, 161, 2088-2092		5
30	An improved model for seismic risk assessment in Portugal. *International Journal of Disaster Resilience in the Built Environment*, **2018**, 9, 70-83	1.4	4
29	Brace-to-frame connection modelling effects on seismic loss assessment of steel concentrically-braced frames. *Journal of Constructional Steel Research*, **2020**, 172, 106230	3.8	4
28	Nonlinear static characterisation of masonry-infilled RC building portfolios accounting for variability of infill properties. *Bulletin of Earthquake Engineering*, **2021**, 19, 2597-2641	3.7	4

27	Extension of displacement-based simplified procedures to the seismic loss assessment of multi-span RC bridges. *Earthquake Engineering and Structural Dynamics*, **2021**, 50, 1101-1124	4	4
26	System Identification and Structural Modelling of Italian School Buildings. *Conference Proceedings of the Society for Experimental Mechanics*, **2017**, 301-303	0.3	3
25	Satellite precipitation-based extreme event detection for flood index insurance. *International Journal of Disaster Risk Reduction*, **2021**, 55, 102108	4.5	3
24	Development of exposure datasets for earthquake damage and risk modelling: the case study of northern Algeria. *Bulletin of Earthquake Engineering*, **2021**, 19, 5253-5283	3.7	3
23	Critical Assessment of Estimation Procedures for Floor Acceleration Demands in Steel Moment-Resisting Frames. *Frontiers in Built Environment*, **2019**, 5,	2.2	3
22	Evaluation of intensity measure performance in regional seismic risk assessment of reinforced concrete bridge inventories. *Structure and Infrastructure Engineering*,1-19	2.9	3
21	Experimental Study and Numerical Assessment of the Flexural Behaviour of Square and Rectangular CFST Members under Monotonic and Cyclic Loading. *Key Engineering Materials*, **2018**, 763, 804-811	0.4	2
20	Modeling considerations in seismic assessment of RC bridges using state-of-practice structural analysis software tools. *Frontiers of Structural and Civil Engineering*, **2018**, 12, 109-124	2.5	2
19	Using the Scorecard Approach to Measure Seismic Social Resilience in Nablus, Palestine. *IFIP Advances in Information and Communication Technology*, **2017**, 77-92	0.5	2
18	USING DIFFERENT UNCERTAINTY MODELS FOR SEISMIC ASSESSMENT OF RC BRIDGES **2015**,		2
17	USING DIRECT ECONOMIC LOSSES AND COLLAPSE RISK FOR SEISMIC DESIGN OF RC BUILDINGS **2019**,		2
16	Seismic acceleration demand and fragility assessment of storage tanks installed in industrial steel moment-resisting frame structures. *Soil Dynamics and Earthquake Engineering*, **2022**, 152, 107016	3.5	2
15	A Preliminary Seismic Hazard Modelling in Northern Algeria. *Advances in Science, Technology and Innovation*, **2019**, 231-235	0.3	2
14	Development of Fragility Curves for Multi-Span RC Bridges using Generalized Pushover Analysis **2019**,		1
13	Development of a seismic social vulnerability model for northern Algeria. *International Journal of Disaster Risk Reduction*, **2020**, 50, 101821	4.5	1
12	Story loss functions for seismic design and assessment: Development of tools and application. *Earthquake Spectra*,875529302110235	3.4	1
11	Concentrated-plasticity modelling of circular concrete-filled steel tubular members under flexure. *Structures*, **2019**, 21, 156-166	3.4	1
10	Probabilistic seismic assessment of reinforced concrete bridges using simulated records. *Structure and Infrastructure Engineering*,1-21	2.9	1

9	08.38: Experimental characterisation of the flexural behaviour of rubberized concrete-filled steel tubular members. *Ce/Papers*, **2017**, 1, 2147-2156	0.3	0
8	Towards Large Scale Seismic Risk Assessment in Algeria: Case Study to the City of Blida. *IOP Conference Series: Materials Science and Engineering*, **2019**, 603, 052065	0.4	0
7	Seismic analysis of Portuguese adobe buildings **2017**, 803-808		0
6	haselREC: an automated open-source ground motion record selection and scaling tool. *Bulletin of Earthquake Engineering*,1	3.7	0
5	Simplified methodology for indirect loss-based prioritization in roadway bridge network risk assessment. *International Journal of Disaster Risk Reduction*, **2022**, 102948	4.5	0
4	08.36: Numerical modelling of circular CFST members and assessment of multi-axial stress state effects. *Ce/Papers*, **2017**, 1, 2128-2137	0.3	
3	Probabilistic Seismic Risk Assessment of School Buildings. *Lecture Notes in Civil Engineering*, **2021**, 15-38	0.3	
2	Simplified modelling and pushover analysis of infilled frame structures accounting for strut flexibility. *Earthquake Engineering and Structural Dynamics*, **2022**, 51, 1383-1409	4	
1	Detailed Structural Characterization of Existing RC Buildings for Seismic Exposure Modelling of the Lisbon Area. *Buildings*, **2022**, 12, 642	3.2	