

Ricardo Monteiro

List of Publications by Year in descending order

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95
papers

1,563
citations

304602

22
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360920

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g-index

98
all docs

98
docs citations

98
times ranked

1045
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.5	139
2	Current Challenges and Future Trends in Analytical Fragility and Vulnerability Modeling. Earthquake Spectra, 2019, 35, 1927-1952.	1.6	113
3	Seismic assessment and loss estimation of existing school buildings in Italy. Engineering Structures, 2018, 168, 142-162.	2.6	102
4	Seismic retrofit options for non-structural building partition walls: Impact on loss estimation and cost-benefit analysis. Engineering Structures, 2018, 161, 8-27.	2.6	58
5	Assessment of Continuous Span Bridges through Nonlinear Static Procedures. Earthquake Spectra, 2009, 25, 143-159.	1.6	54
6	Evaluation of Nonlinear Static Procedures in the Assessment of Building Frames. Earthquake Spectra, 2013, 29, 1459-1476.	1.6	49
7	Experimental assessment of the flexural behaviour of circular rubberized concrete-filled steel tubes. Journal of Constructional Steel Research, 2016, 122, 557-570.	1.7	43
8	Predictive models for post disaster shelter needs assessment. International Journal of Disaster Risk Reduction, 2017, 21, 44-62.	1.8	41
9	Parametric Characterization of RC Bridges for Seismic Assessment Purposes. Structures, 2016, 7, 14-24.	1.7	37
10	Critical Assessment of Intensity Measures for Seismic Response of Italian RC Bridge Portfolios. Journal of Earthquake Engineering, 2019, 23, 980-1000.	1.4	37
11	Using the Conditional Spectrum Method for Improved Fragility Assessment of Concrete Gravity Dams in Eastern Canada. Earthquake Spectra, 2016, 32, 1449-1468.	1.6	35
12	Sampling based numerical seismic assessment of continuous span RC bridges. Engineering Structures, 2016, 118, 407-420.	2.6	34
13	Assessing seismic risk in typical Italian school buildings: From in-situ survey to loss estimation. International Journal of Disaster Risk Reduction, 2020, 44, 101448.	1.8	31
14	Probabilistic Seismic Assessment of RC Bridges: Part I "Uncertainty Models. Structures, 2016, 5, 258-273.	1.7	29
15	Assessment of social vulnerability to seismic hazard in Nablus, Palestine. International Journal of Disaster Risk Reduction, 2018, 28, 491-506.	1.8	29
16	System Identification and Seismic Assessment Modeling Implications for Italian School Buildings. Journal of Performance of Constructed Facilities, 2019, 33, .	1.0	29
17	Numerical Modelling and Validation of the Response of Masonry Infilled RC Frames Using Experimental Testing Results. Buildings, 2020, 10, 182.	1.4	28
18	Displacement-Based Framework for Simplified Seismic Loss Assessment. Journal of Earthquake Engineering, 2020, 24, 1-22.	1.4	26

#	ARTICLE	IF	CITATIONS
19	Monotonic and cyclic flexural behaviour of square/rectangular rubberized concrete-filled steel tubes. <i>Journal of Constructional Steel Research</i> , 2017, 139, 385-396.	1.7	25
20	Seismic retrofit of existing school buildings in Italy: Performance evaluation and loss estimation. <i>Engineering Structures</i> , 2020, 225, 111243.	2.6	24
21	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.	0.2	24
22	Simplified seismic assessment of infilled RC frame structures. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 1579-1611.	2.3	23
23	Earthquake-induced loss assessment of steel buildings designed to Eurocode 8. <i>Engineering Structures</i> , 2020, 208, 110244.	2.6	23
24	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.	1.4	21
25	Spectral reduction factors evaluation for seismic assessment of frame buildings. <i>Engineering Structures</i> , 2014, 77, 129-142.	2.6	19
26	Probabilistic Seismic Assessment of RC Bridges: Part II – Nonlinear Demand Prediction. <i>Structures</i> , 2016, 5, 274-283.	1.7	19
27	A rational approach to the conversion of FEMA P-58 seismic repair costs to Europe. <i>Earthquake Spectra</i> , 2020, 36, 1607-1618.	1.6	19
28	Optimal seismic retrofitting of existing buildings considering environmental impact. <i>Engineering Structures</i> , 2022, 250, 113391.	2.6	19
29	Probabilistic models for structures with bilinear demand–intensity relationships. <i>Earthquake Engineering and Structural Dynamics</i> , 2019, 48, 253-268.	2.5	18
30	Seismic performance of composite moment-resisting frames achieved with sustainable CFST members. <i>Frontiers of Structural and Civil Engineering</i> , 2016, 10, 312-332.	1.2	17
31	Simplified damage models for circular section reinforced concrete bridge columns. <i>Engineering Structures</i> , 2020, 217, 110794.	2.6	17
32	Seismic Vulnerability Assessment of the Urban Building Environment in Nablus, Palestine. <i>International Journal of Architectural Heritage</i> , 2018, 12, 1196-1215.	1.7	16
33	On the Seismic Fragility Assessment of Concrete Gravity Dams in Eastern Canada. <i>Earthquake Spectra</i> , 2019, 35, 211-231.	1.6	15
34	Probabilistic seismic assessment of reinforced concrete bridges using simulated records. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 554-574.	2.0	15
35	Development of A Fragility and Exposure Model for Palestine – Application to The City of Nablus. <i>Procedia Engineering</i> , 2016, 161, 2023-2029.	1.2	14
36	Seismic Acceleration and Displacement Demand Profiles of Non-Structural Elements in Hospital Buildings. <i>Buildings</i> , 2020, 10, 243.	1.4	14

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37	Estimation of Seismic Expected Annual Losses for Multi-Span Continuous RC Bridge Portfolios Using a Component-Level Approach. <i>Journal of Earthquake Engineering</i> , 2022, 26, 2985-3011.	1.4	14
38	Crowdsourcing Exposure Data for Seismic Vulnerability Assessment in Developing Countries. <i>Journal of Earthquake Engineering</i> , 2021, 25, 835-852.	1.4	14
39	Story loss functions for seismic design and assessment: Development of tools and application. <i>Earthquake Spectra</i> , 2021, 37, 2813-2839.	1.6	14
40	Comparative Analysis of Existing Tools for Assessment of Post-Earthquake Short-Term Lodging Needs. <i>Procedia Engineering</i> , 2016, 161, 2217-2221.	1.2	12
41	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.	2.3	12
42	PERFORMANCE BASED EARTHQUAKE ENGINEERING APPROACH APPLIED TO BRIDGES IN A ROAD NETWORK. , 2015, , .		12
43	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.	1.9	12
44	On the seismic loss estimation of integrated performance-based designed buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 1794-1818.	2.5	12
45	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.	1.7	11
46	Practical considerations on the design of concentrically-braced steel frames to Eurocode 8. <i>Journal of Constructional Steel Research</i> , 2019, 158, 71-85.	1.7	11
47	A resilience-based method for prioritizing post-event building inspections. <i>Natural Hazards</i> , 2020, 100, 877-896.	1.6	10
48	IMPROVED FRAGILITY FUNCTIONS FOR RC BRIDGE POPULATIONS. , 2015, , .		10
49	Generalized force vectors for multi-mode pushover analysis of bridges. <i>Bulletin of Earthquake Engineering</i> , 2017, 15, 5247-5280.	2.3	9
50	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.	1.7	9
51	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.	2.5	8
52	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.	2.3	8
53	TOWARDS INTEGRATED SEISMIC RISK ASSESSMENT IN PALESTINE - APPLICATION TO THE CITY OF NABLUS. , 2016, , .		8
54	Simplified methodology for indirect loss-based prioritization in roadway bridge network risk assessment. <i>International Journal of Disaster Risk Reduction</i> , 2022, 74, 102948.	1.8	8

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55	Seismic Resilience Assessment in Optimally Integrated Retrofitting of Existing School Buildings in Italy. Buildings, 2022, 12, 845.	1.4	8
56	Assessing Seismic Social Vulnerability in Urban Centers – the Case-Study of Nablus, Palestine. International Journal of Architectural Heritage, 2018, 12, 1216-1230.	1.7	7
57	Development of Fragility Curves for Single-Column RC Italian Bridges Using Nonlinear Static Analysis. Journal of Earthquake Engineering, 2022, 26, 2328-2352.	1.4	7
58	Brace-to-frame connection modelling effects on seismic loss assessment of steel concentrically-braced frames. Journal of Constructional Steel Research, 2020, 172, 106230.	1.7	6
59	Satellite precipitation-based extreme event detection for flood index insurance. International Journal of Disaster Risk Reduction, 2021, 55, 102108.	1.8	6
60	ON THE EFFICIENT RISK ASSESSMENT OF BRIDGE STRUCTURES. , 2019, , .		6
61	Italian Seismic Sequences: Year 2000, the Emergency Phase in Romagna. Procedia Engineering, 2016, 161, 2088-2092.	1.2	5
62	An improved model for seismic risk assessment in Portugal. International Journal of Disaster Resilience in the Built Environment, 2018, 9, 70-83.	0.7	5
63	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.	1.2	5
64	Evaluation of intensity measure performance in regional seismic risk assessment of reinforced concrete bridge inventories. Structure and Infrastructure Engineering, 0, , 1-19.	2.0	5
65	Experimental Study and Numerical Assessment of the Flexural Behaviour of Square and Rectangular CFST Members under Monotonic and Cyclic Loading. Key Engineering Materials, 0, 763, 804-811.	0.4	4
66	Concentrated-plasticity modelling of circular concrete-filled steel tubular members under flexure. Structures, 2019, 21, 156-166.	1.7	4
67	USING DIFFERENT UNCERTAINTY MODELS FOR SEISMIC ASSESSMENT OF RC BRIDGES. , 2015, , .		4
68	Using the Scorecard Approach to Measure Seismic Social Resilience in Nablus, Palestine. IFIP Advances in Information and Communication Technology, 2017, , 77-92.	0.5	3
69	Critical Assessment of Estimation Procedures for Floor Acceleration Demands in Steel Moment-Resisting Frames. Frontiers in Built Environment, 2019, 5, .	1.2	3
70	System Identification and Structural Modelling of Italian School Buildings. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 301-303.	0.3	3
71	SIMPLIFIED PERIOD ESTIMATION OF ITALIAN RC BRIDGES FOR LARGE-SCALE SEISMIC ASSESSMENT. , 2016, , .		3
72	USING DIRECT ECONOMIC LOSSES AND COLLAPSE RISK FOR SEISMIC DESIGN OF RC BUILDINGS. , 2019, , .		3

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73	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.	0.3	2
74	Development of a seismic social vulnerability model for northern Algeria. International Journal of Disaster Risk Reduction, 2020, 50, 101821.	1.8	2
75	haselREC: an automated open-source ground motion record selection and scaling tool. Bulletin of Earthquake Engineering, 2021, 19, 5747-5767.	2.3	2
76	SIMPLIFIED MODELLING OF CIRCULAR CFST MEMBERS WITH A CONCENTRATED PLASTICITY APPROACH. , 0, ,		2
77	08.38: Experimental characterisation of the flexural behaviour of rubberized concrete-filled steel tubular members. Ce/Papers, 2017, 1, 2147-2156.	0.1	1
78	IMPACT OF MASONRY INFILL VARIABILITY ON THE ESTIMATION OF FLOOR RESPONSE SPECTRA IN RC BUILDINGS. , 2021, , .		1
79	Development of Fragility Curves for Multi-Span RC Bridges using Generalized Pushover Analysis. IABSE Symposium Report, 2019, , .	0.0	1
80	SEISMIC RISK ASSESSMENT OF MULTI-SPAN BRIDGES USING NONLINEAR STATIC PROCEDURES. , 2019, , .		1
81	Seismic analysis of Portuguese adobe buildings. , 2017, , 803-808.		1
82	Influence of Parameter Uncertainty in Multi-Criteria Decision-Making When Identifying Optimal Retrofitting Strategies for RC Buildings. Journal of Earthquake Engineering, 2023, 27, 1769-1794.	1.4	1
83	08.36: Numerical modelling of circular CFST members and assessment of multi-axial stress state effects. Ce/Papers, 2017, 1, 2128-2137.	0.1	0
84	SELECTION OF OPTIMAL SEISMIC RETROFITTING FOR EXISTING SCHOOL BUILDINGS THROUGH MULTI-CRITERIA DECISION MAKING. , 2021, , .		0
85	DEVELOPMENT OF A PYTHON-BASED STOREY LOSS FUNCTION GENERATOR. , 2021, , .		0
86	Probabilistic Seismic Risk Assessment of School Buildings. Lecture Notes in Civil Engineering, 2021, , 15-38.	0.3	0
87	SEISMIC RESPONSE OF RC BRIDGES USING GENERALISED FORCE VECTORS. , 2017, , .		0
88	TOWARDS A TAXONOMY FOR PORTUGUESE RC BRIDGES. , 2017, , .		0
89	Seismic analysis of Portuguese adobe buildings. , 2017, , .		0
90	Development of An Exposure Model for Bridge Structures in Northern Algeria. IABSE Symposium Report, 2018, , .	0.0	0

#	ARTICLE	IF	CITATIONS
91	Seismic performance assessment of conventional steel and steel-concrete composite moment frames using CFST columns. , 0, , .		0
92	Integrated seismic risk in developing countries: the case-studies of Palestine and Algeria. , 2019, , .		0
93	ON THE IMPORTANCE OF BRACE CONNECTION MODELLING FOR SEISMIC PERFORMANCE ASSESSMENT OF STEEL CBFS. , 2019, , .		0
94	Simplified modelling and pushover analysis of infilled frame structures accounting for strut flexibility. Earthquake Engineering and Structural Dynamics, 2022, 51, 1383-1409.	2.5	0
95	Detailed Structural Characterization of Existing RC Buildings for Seismic Exposure Modelling of the Lisbon Area. Buildings, 2022, 12, 642.	1.4	0