

Rita Bento

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.

77
papers

886
citations

18
h-index

26
g-index

85
ext. papers

1,075
ext. citations

2.8
avg. IF

4.88
L-index

#	Paper	IF	Citations
77	Seismic Retrofitting of Irregular Mixed Masonry-RC Buildings: Case Study in Lisbon. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2022 , 163-175	0.2	
76	Influence of Plan Irregularity in the Seismic Vulnerability Assessment of Existing Unreinforced Masonry Buildings with RC Slabs. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2022 , 237-247	0.2	
75	Seismic Assessment of RC Buildings Considering the Influence of Vertical Irregularities: Framed and Wall-Frame Structures. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2022 , 287-297	0.2	
74	Seismic vulnerability assessment of RC structures: research and practice at building level 2022 , 31-84		0
73	Analysis of the soil structure-interaction effects on the seismic vulnerability of mid-rise RC buildings in Lisbon. <i>Structures</i> , 2022 , 38, 599-617	3.4	2
72	Detailed Structural Characterization of Existing RC Buildings for Seismic Exposure Modelling of the Lisbon Area. <i>Buildings</i> , 2022 , 12, 642	3.2	
71	Dynamic Data Feeding into BIM for Facility Management: A Prototype Application to a University Building. <i>Buildings</i> , 2022 , 12, 645	3.2	2
70	Information transfer between two heritage BIMs for reconstruction support and facility management: the case study of the Chalet of the Countess of Edla, Sintra, Portugal. <i>Journal of Cultural Heritage</i> , 2021 , 49, 94-105	2.9	4
69	Reduction of earthquake risk of the National Palace of Sintra in Portugal: The palatine chapel. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 60, 102172	4.5	2
68	Fragility Functions for Tall URM Buildings around Early 20th Century in Lisbon. Part 1: Methodology and Application at Building Level. <i>International Journal of Architectural Heritage</i> , 2021 , 15, 349-372	2.1	4
67	Convective rear-flank downdraft as driver for meteotsunami along English Channel and North Sea coasts 28-29 May 2017. <i>Natural Hazards</i> , 2021 , 106, 1445-1465	3	3
66	Seismic behavior of masonry walls retrofitted by centercore technique: A numerical study. <i>Construction and Building Materials</i> , 2021 , 267, 120382	6.7	2
65	A Multi-Disciplinary Approach to the Seismic Assessment of the National Palace of Sintra. <i>International Journal of Architectural Heritage</i> , 2021 , 15, 757-778	2.1	11
64	Fragility Functions for Tall URM Buildings around Early 20th Century in Lisbon, Part 2: Application to Different Classes of Buildings. <i>International Journal of Architectural Heritage</i> , 2021 , 15, 373-389	2.1	6
63	Failure analysis of a Portuguese cultural heritage masterpiece: Bonet building in Sintra. <i>Engineering Failure Analysis</i> , 2020 , 115, 104636	3.2	9
62	Development of a Manueline Style Object Library for Heritage BIM. <i>International Journal of Architectural Heritage</i> , 2020 , 1-12	2.1	2
61	Seismic Behaviour of an Irregular Old RC Dual-System Building in Lisbon. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2020 , 57-67	0.2	

60	3D GIS representation for supporting seismic mitigation policies at urban scale: The case study of Lisbon. <i>Journal of Cultural Heritage</i> , 2020 , 45, 265-278	2.9	2
59	BIM as a resource in heritage management: An application for the National Palace of Sintra, Portugal. <i>Journal of Cultural Heritage</i> , 2020 , 43, 153-162	2.9	25
58	Seismic performance and fragility curves of historical residential buildings in Lisbon downtown affected by settlements. <i>Bulletin of Earthquake Engineering</i> , 2020 , 18, 5281-5307	3.7	3
57	Seismic capacity and vulnerability assessment considering ageing effects: case study of three local Portuguese RC buildings. <i>Bulletin of Earthquake Engineering</i> , 2020 , 1	3.7	8
56	Nonlinear Static Seismic Performance Assessment of Plan-Irregular Steel Structures. <i>Journal of Earthquake Engineering</i> , 2020 , 24, 226-253	1.8	2
55	Seismic assessment of nineteenth and twentieth centuries URM buildings in Lisbon: structural features and derivation of fragility curves. <i>Bulletin of Earthquake Engineering</i> , 2020 , 18, 645-672	3.7	12
54	Definition of fragility curves through nonlinear static analyses: procedure and application to a mixed masonry-RC building stock. <i>Bulletin of Earthquake Engineering</i> , 2020 , 18, 513-545	3.7	13
53	Nonlinear Parametric Static Analysis of Rubble Stone Masonry Walls in Lisbon. <i>RILEM Bookseries</i> , 2019 , 1018-1026	0.5	
52	Modelling strain penetration effects in RC walls with smooth steel bars. <i>Magazine of Concrete Research</i> , 2019 , 71, 894-906	2	9
51	Adaptive upper-bound pushover analysis for high-rise moment steel frames. <i>Structures</i> , 2019 , 20, 912-923	3.4	9
50	A contribution to the seismic performance and loss assessment of old RC wall-frame buildings. <i>Engineering Structures</i> , 2019 , 197, 109369	4.7	10
49	Seismic risk assessment of an old RC frame-wall building in Lisbon 2019 ,		1
48	An Interdisciplinary Approach to the Seismic Assessment of Built Cultural Heritage: Case Studies in Lisbon and Outskirts. <i>RILEM Bookseries</i> , 2019 , 3-18	0.5	3
47	Parametrical study of rubble stone masonry panels through numerical modelling of the in-plane behaviour. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 1553-1574	3.7	5
46	Simplified evaluation of seismic vulnerability of Lisbon Heritage City Centre based on a 3D GIS-based methodology. <i>Journal of Cultural Heritage</i> , 2018 , 32, 108-116	2.9	9
45	An improved upper-bound pushover procedure for seismic assessment of high-rise moment resisting steel frames. <i>Bulletin of Earthquake Engineering</i> , 2018 , 16, 315-339	3.7	7
44	Sensitivity analysis of the seismic performance of ancient mixed masonry-RC buildings in Lisbon. <i>International Journal of Masonry Research and Innovation</i> , 2018 , 3, 108	1.2	9
43	Seismic Behavior of Lisbon Mixed Masonry-RC Buildings With Historical Value: A Contribution for the Practical Assessment. <i>Frontiers in Built Environment</i> , 2018 , 4,	2.2	3

42	Relevance of torsional effects on the seismic assessment of an old RC frame-wall building in Lisbon. <i>Journal of Building Engineering</i> , 2018 , 19, 459-471	5.2	7
41	Architectural and Structural Characteristics of Masonry Buildings between the 19th and 20th Centuries in Lisbon, Portugal. <i>International Journal of Architectural Heritage</i> , 2017 , 11, 457-474	2.1	11
40	Influence of ground motion duration on damage index-based fragility assessment of a plan-asymmetric non-ductile reinforced concrete building. <i>Engineering Structures</i> , 2017 , 151, 682-703	4.7	32
39	Cyclic behaviour of stone masonry walls strengthened by grout injection. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017 , 50, 1	3.4	10
38	On the seismic response of buildings in aggregate: Analysis of a typical masonry building from Azores. <i>Structures</i> , 2017 , 10, 184-196	3.4	18
37	Impact of ground movements on the seismic performance of old heritage buildings. <i>International Journal of Earthquake and Impact Engineering</i> , 2016 , 1, 360	0.5	
36	Mechanical Characterization of Masonry Walls With Flat-Jack Tests. <i>Experimental Techniques</i> , 2016 , 40, 1163-1178	1.4	16
35	Seismic vulnerability assessment of a mixed masonry-RC building aggregate by linear and nonlinear analyses. <i>Bulletin of Earthquake Engineering</i> , 2016 , 14, 2299-2327	3.7	11
34	Mechanical Characterization of Masonry Walls With Flat-Jack Tests 2016 , 40, 1163		2
33	Sensitivity analyses of the seismic performance of mixed masonry-RC buildings: The "Rabo de Bacalhau" building type in Lisbon 2016 , 1551-1558		1
32	An extension of an improved forced based design procedure for 3D steel structures. <i>Steel and Composite Structures</i> , 2016 , 22, 1115-1140		4
31	Seismic Assessment of Pombalino Buildings. <i>Lecture Notes in Civil Engineering</i> , 2016 , 171-181	0.3	
30	Application of Nonlinear Static Procedures for the Seismic Assessment of a 9-Storey Asymmetric Plan Building. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2016 , 123-134	0.2	
29	Improved Modal Pushover Analysis in seismic assessment of asymmetric plan buildings under the influence of one and two horizontal components of ground motions. <i>Soil Dynamics and Earthquake Engineering</i> , 2016 , 87, 1-15	3.5	25
28	In-plane seismic response of rubble stone masonry specimens by means of static cyclic tests. <i>Construction and Building Materials</i> , 2015 , 82, 9-19	6.7	16
27	Fragility curves for old masonry building types in Lisbon. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 3083-3105	3.7	33
26	Evaluating the Efficiency of Recent Nonlinear Static Procedures on the Seismic Assessment of an Asymmetric Plan Building. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2015 , 307-323	0.2	1
25	Seismic performance of irregular bridges [comparison of different nonlinear static procedures. <i>Structure and Infrastructure Engineering</i> , 2015 , 11, 1632-1650	2.9	18

24	Flash flooding in southwest England 29[May]2008. <i>Weather</i> , 2014 , 69, 143-146	0.9	1
23	Seismic performance-based assessment of Gaioleiro buildings. <i>Engineering Structures</i> , 2014 , 80, 486-500	4.7	21
22	Seismic assessment and retrofitting of Pombalino buildings by pushover analyses. <i>Earthquake and Structures</i> , 2014 , 7, 57-82		12
21	The Extended Adaptive Capacity Spectrum Method for the Seismic Assessment of Plan-Asymmetric Buildings. <i>Earthquake Spectra</i> , 2014 , 30, 683-703	3.4	37
20	Simple and complex modelling of timber-framed masonry walls in Pombalino buildings. <i>Bulletin of Earthquake Engineering</i> , 2014 , 12, 1777-1803	3.7	20
19	Pombalino Constructions: Description and Seismic Assessment. <i>Building Pathology and Rehabilitation</i> , 2014 , 187-233	0.2	10
18	Testing and modeling the diagonal tension strength of rubble stone masonry panels. <i>Engineering Structures</i> , 2013 , 52, 581-591	4.7	18
17	Experimental assessment of shear strength parameters on rubble stone masonry specimens. <i>Construction and Building Materials</i> , 2013 , 47, 1372-1380	6.7	50
16	Nonlinear static and dynamic analyses of reinforced concrete buildings - comparison of different modelling approaches. <i>Earthquake and Structures</i> , 2013 , 4, 451-470		25
15	Estimating Torsional Demands in Plan Irregular Buildings Using Pushover Procedures Coupled with Linear Dynamic Response Spectrum Analysis. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2013 , 219-233	0.2	1
14	A hysteretic model for frontal walls in Pombalino buildings. <i>Bulletin of Earthquake Engineering</i> , 2012 , 10, 1481-1502	3.7	46
13	Comparison of Nonlinear Static Methods for the Seismic Assessment of Plan Irregular Frame Buildings with Non Seismic Details. <i>Journal of Earthquake Engineering</i> , 2012 , 16, 15-39	1.8	24
12	Assessing the seismic response of existing RC buildings using the extended N2 method. <i>Bulletin of Earthquake Engineering</i> , 2011 , 9, 1183-1201	3.7	17
11	Extension of the CSM-FEMA440 to plan-asymmetric real building structures. <i>Earthquake Engineering and Structural Dynamics</i> , 2011 , 40, 1263-1282	4	22
10	Seismic vulnerability of lifelines in the greater Lisbon area. <i>Bulletin of Earthquake Engineering</i> , 2010 , 8, 157-180	3.7	29
9	Using nonlinear static procedures for seismic assessment of the 3D irregular SPEAR building. <i>Earthquake and Structures</i> , 2010 , 1, 177-195		37
8	Rigid-plastic models for the seismic design and assessment of steel framed structures. <i>Earthquake Engineering and Structural Dynamics</i> , 2009 , 38, 1609-1630	4	11
7	Analysis of the North York Moors storms [19 June 2005]. <i>Weather</i> , 2009 , 64, 39-42	0.9	3

6	Calibration of model parameters for the cyclic response of end-plate beam-to-column steel-concrete composite joints. <i>Steel and Composite Structures</i> , 2009 , 9, 39-58		11
5	Rigid-plastic seismic design of reinforced concrete structures. <i>Earthquake Engineering and Structural Dynamics</i> , 2007 , 36, 55-76	4	7
4	Seismic evaluation of old masonry buildings. Part I: Method description and application to a case-study. <i>Engineering Structures</i> , 2005 , 27, 2024-2035	4-7	67
3	Seismic evaluation of old masonry buildings. Part II: Analysis of strengthening solutions for a case study. <i>Engineering Structures</i> , 2005 , 27, 2014-2023	4-7	28
2	T. Paulay's Discussion of Seismic Behavior of Dual Systems with Column Hinging. <i>Earthquake Spectra</i> , 2002 , 18, 577-578	3-4	
1	Seismic Behavior of Dual Systems with Column Hinging. <i>Earthquake Spectra</i> , 2001 , 17, 657-677	3-4	4