

# Rita Bento

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5507754/rita-bento-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 evaluation of old masonry buildings. Part I: Method description and application to a case-study. <i>Engineering Structures</i> , <b>2005</b> , 27, 2024-2035	4.7	67
76	Experimental assessment of shear strength parameters on rubble stone masonry specimens. <i>Construction and Building Materials</i> , <b>2013</b> , 47, 1372-1380	6.7	50
75	A hysteretic model for frontal walls in Pombalino buildings. <i>Bulletin of Earthquake Engineering</i> , <b>2012</b> , 10, 1481-1502	3.7	46
74	The Extended Adaptive Capacity Spectrum Method for the Seismic Assessment of Plan-Asymmetric Buildings. <i>Earthquake Spectra</i> , <b>2014</b> , 30, 683-703	3.4	37
73	Using nonlinear static procedures for seismic assessment of the 3D irregular SPEAR building. <i>Earthquake and Structures</i> , <b>2010</b> , 1, 177-195		37
72	Fragility curves for old masonry building types in Lisbon. <i>Bulletin of Earthquake Engineering</i> , <b>2015</b> , 13, 3083-3105	3.7	33
71	Influence of ground motion duration on damage index-based fragility assessment of a plan-asymmetric non-ductile reinforced concrete building. <i>Engineering Structures</i> , <b>2017</b> , 151, 682-703	4.7	32
70	Seismic vulnerability of lifelines in the greater Lisbon area. <i>Bulletin of Earthquake Engineering</i> , <b>2010</b> , 8, 157-180	3.7	29
69	Seismic evaluation of old masonry buildings. Part II: Analysis of strengthening solutions for a case study. <i>Engineering Structures</i> , <b>2005</b> , 27, 2014-2023	4.7	28
68	Nonlinear static and dynamic analyses of reinforced concrete buildings - comparison of different modelling approaches. <i>Earthquake and Structures</i> , <b>2013</b> , 4, 451-470		25
67	BIM as a resource in heritage management: An application for the National Palace of Sintra, Portugal. <i>Journal of Cultural Heritage</i> , <b>2020</b> , 43, 153-162	2.9	25
66	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> , <b>2016</b> , 87, 1-15	3.5	25
65	Comparison of Nonlinear Static Methods for the Seismic Assessment of Plan Irregular Frame Buildings with Non Seismic Details. <i>Journal of Earthquake Engineering</i> , <b>2012</b> , 16, 15-39	1.8	24
64	Extension of the CSM-FEMA440 to plan-asymmetric real building structures. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2011</b> , 40, 1263-1282	4	22
63	Seismic performance-based assessment of Gaioleiro buildings. <i>Engineering Structures</i> , <b>2014</b> , 80, 486-500	4.7	21
62	Simple and complex modelling of timber-framed masonry walls in Pombalino buildings. <i>Bulletin of Earthquake Engineering</i> , <b>2014</b> , 12, 1777-1803	3.7	20
61	Testing and modeling the diagonal tension strength of rubble stone masonry panels. <i>Engineering Structures</i> , <b>2013</b> , 52, 581-591	4.7	18

60	On the seismic response of buildings in aggregate: Analysis of a typical masonry building from Azores. <i>Structures</i> , <b>2017</b> , 10, 184-196	3.4	18
59	Seismic performance of irregular bridges [Comparison of different nonlinear static procedures. <i>Structure and Infrastructure Engineering</i> , <b>2015</b> , 11, 1632-1650	2.9	18
58	Assessing the seismic response of existing RC buildings using the extended N2 method. <i>Bulletin of Earthquake Engineering</i> , <b>2011</b> , 9, 1183-1201	3.7	17
57	In-plane seismic response of rubble stone masonry specimens by means of static cyclic tests. <i>Construction and Building Materials</i> , <b>2015</b> , 82, 9-19	6.7	16
56	Mechanical Characterization of Masonry Walls With Flat-Jack Tests. <i>Experimental Techniques</i> , <b>2016</b> , 40, 1163-1178	1.4	16
55	Definition of fragility curves through nonlinear static analyses: procedure and application to a mixed masonry-RC building stock. <i>Bulletin of Earthquake Engineering</i> , <b>2020</b> , 18, 513-545	3.7	13
54	Seismic assessment and retrofitting of Pombalino buildings by pushover analyses. <i>Earthquake and Structures</i> , <b>2014</b> , 7, 57-82		12
53	Seismic assessment of nineteenth and twentieth centuries URM buildings in Lisbon: structural features and derivation of fragility curves. <i>Bulletin of Earthquake Engineering</i> , <b>2020</b> , 18, 645-672	3.7	12
52	Architectural and Structural Characteristics of Masonry Buildings between the 19th and 20th Centuries in Lisbon, Portugal. <i>International Journal of Architectural Heritage</i> , <b>2017</b> , 11, 457-474	2.1	11
51	Seismic vulnerability assessment of a mixed masonry-RC building aggregate by linear and nonlinear analyses. <i>Bulletin of Earthquake Engineering</i> , <b>2016</b> , 14, 2299-2327	3.7	11
50	Rigid-plastic models for the seismic design and assessment of steel framed structures. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2009</b> , 38, 1609-1630	4	11
49	Calibration of model parameters for the cyclic response of end-plate beam-to-column steel-concrete composite joints. <i>Steel and Composite Structures</i> , <b>2009</b> , 9, 39-58		11
48	A Multi-Disciplinary Approach to the Seismic Assessment of the National Palace of Sintra. <i>International Journal of Architectural Heritage</i> , <b>2021</b> , 15, 757-778	2.1	11
47	A contribution to the seismic performance and loss assessment of old RC wall-frame buildings. <i>Engineering Structures</i> , <b>2019</b> , 197, 109369	4.7	10
46	Cyclic behaviour of stone masonry walls strengthened by grout injection. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2017</b> , 50, 1	3.4	10
45	Pombalino Constructions: Description and Seismic Assessment. <i>Building Pathology and Rehabilitation</i> , <b>2014</b> , 187-233	0.2	10
44	Failure analysis of a Portuguese cultural heritage masterpiece: Bonet building in Sintra. <i>Engineering Failure Analysis</i> , <b>2020</b> , 115, 104636	3.2	9
43	Simplified evaluation of seismic vulnerability of Lisbon Heritage City Centre based on a 3D GIS-based methodology. <i>Journal of Cultural Heritage</i> , <b>2018</b> , 32, 108-116	2.9	9

42	Modelling strain penetration effects in RC walls with smooth steel bars. <i>Magazine of Concrete Research</i> , <b>2019</b> , 71, 894-906	2	9
41	Adaptive upper-bound pushover analysis for high-rise moment steel frames. <i>Structures</i> , <b>2019</b> , 20, 912-923	3.4	9
40	Sensitivity analysis of the seismic performance of ancient mixed masonry-RC buildings in Lisbon. <i>International Journal of Masonry Research and Innovation</i> , <b>2018</b> , 3, 108	1.2	9
39	Seismic capacity and vulnerability assessment considering ageing effects: case study of three local Portuguese RC buildings. <i>Bulletin of Earthquake Engineering</i> , <b>2020</b> , 1	3.7	8
38	An improved upper-bound pushover procedure for seismic assessment of high-rise moment resisting steel frames. <i>Bulletin of Earthquake Engineering</i> , <b>2018</b> , 16, 315-339	3.7	7
37	Rigid-plastic seismic design of reinforced concrete structures. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2007</b> , 36, 55-76	4	7
36	Relevance of torsional effects on the seismic assessment of an old RC frame-wall building in Lisbon. <i>Journal of Building Engineering</i> , <b>2018</b> , 19, 459-471	5.2	7
35	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> , <b>2021</b> , 15, 373-389	2.1	6
34	Parametrical study of rubble stone masonry panels through numerical modelling of the in-plane behaviour. <i>Bulletin of Earthquake Engineering</i> , <b>2019</b> , 17, 1553-1574	3.7	5
33	Seismic Behavior of Dual Systems with Column Hinging. <i>Earthquake Spectra</i> , <b>2001</b> , 17, 657-677	3.4	4
32	An extension of an improved forced based design procedure for 3D steel structures. <i>Steel and Composite Structures</i> , <b>2016</b> , 22, 1115-1140		4
31	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> , <b>2021</b> , 49, 94-105	2.9	4
30	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> , <b>2021</b> , 15, 349-372	2.1	4
29	Analysis of the North York Moors storms on 19 June 2005. <i>Weather</i> , <b>2009</b> , 64, 39-42	0.9	3
28	An Interdisciplinary Approach to the Seismic Assessment of Built Cultural Heritage: Case Studies in Lisbon and Outskirts. <i>RILEM Bookseries</i> , <b>2019</b> , 3-18	0.5	3
27	Seismic performance and fragility curves of historical residential buildings in Lisbon downtown affected by settlements. <i>Bulletin of Earthquake Engineering</i> , <b>2020</b> , 18, 5281-5307	3.7	3
26	Convective rear-flank downdraft as driver for meteotsunami along English Channel and North Sea coasts 28-29 May 2017. <i>Natural Hazards</i> , <b>2021</b> , 106, 1445-1465	3	3
25	Seismic Behavior of Lisbon Mixed Masonry-RC Buildings With Historical Value: A Contribution for the Practical Assessment. <i>Frontiers in Built Environment</i> , <b>2018</b> , 4,	2.2	3

24	Development of a Manueline Style Object Library for Heritage BIM. <i>International Journal of Architectural Heritage</i> , <b>2020</b> , 1-12	2.1	2
23	Mechanical Characterization of Masonry Walls With Flat-Jack Tests <b>2016</b> , 40, 1163		2
22	3D GIS representation for supporting seismic mitigation policies at urban scale: The case study of Lisbon. <i>Journal of Cultural Heritage</i> , <b>2020</b> , 45, 265-278	2.9	2
21	Reduction of earthquake risk of the National Palace of Sintra in Portugal: The palatine chapel. <i>International Journal of Disaster Risk Reduction</i> , <b>2021</b> , 60, 102172	4.5	2
20	Nonlinear Static Seismic Performance Assessment of Plan-Irregular Steel Structures. <i>Journal of Earthquake Engineering</i> , <b>2020</b> , 24, 226-253	1.8	2
19	Seismic behavior of masonry walls retrofitted by centercore technique: A numerical study. <i>Construction and Building Materials</i> , <b>2021</b> , 267, 120382	6.7	2
18	Analysis of the soil structure-interaction effects on the seismic vulnerability of mid-rise RC buildings in Lisbon. <i>Structures</i> , <b>2022</b> , 38, 599-617	3.4	2
17	Dynamic Data Feeding into BIM for Facility Management: A Prototype Application to a University Building. <i>Buildings</i> , <b>2022</b> , 12, 645	3.2	2
16	Flash flooding in southwest England 29 May 2008. <i>Weather</i> , <b>2014</b> , 69, 143-146	0.9	1
15	Evaluating the Efficiency of Recent Nonlinear Static Procedures on the Seismic Assessment of an Asymmetric Plan Building. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2015</b> , 307-323	0.2	1
14	Sensitivity analyses of the seismic performance of mixed masonry-RC buildings: The "Rabo de Bacalhau" building type in Lisbon <b>2016</b> , 1551-1558		1
13	Seismic risk assessment of an old RC frame-wall building in Lisbon <b>2019</b> ,		1
12	Estimating Torsional Demands in Plan Irregular Buildings Using Pushover Procedures Coupled with Linear Dynamic Response Spectrum Analysis. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2013</b> , 219-233	0.2	1
11	Seismic vulnerability assessment of RC structures: research and practice at building level <b>2022</b> , 31-84		0
10	Impact of ground movements on the seismic performance of old heritage buildings. <i>International Journal of Earthquake and Impact Engineering</i> , <b>2016</b> , 1, 360	0.5	
9	Nonlinear Parametric Static Analysis of Rubble Stone Masonry Walls in Lisbon. <i>RILEM Bookseries</i> , <b>2019</b> , 1018-1026	0.5	
8	T. Paulay's Discussion of Seismic Behavior of Dual Systems with Column Hinging <i>Earthquake Spectra</i> , <b>2002</b> , 18, 577-578	3.4	
7	Seismic Retrofitting of Irregular Mixed Masonry-RC Buildings: Case Study in Lisbon. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2022</b> , 163-175	0.2	

6	Influence of Plan Irregularity in the Seismic Vulnerability Assessment of Existing Unreinforced Masonry Buildings with RC Slabs. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2022</b> , 237-247	0.2
5	Seismic Assessment of RC Buildings Considering the Influence of Vertical Irregularities: Framed and Wall-Frame Structures. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2022</b> , 287-297	0.2
4	Seismic Behaviour of an Irregular Old RC Dual-System Building in Lisbon. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2020</b> , 57-67	0.2
3	Seismic Assessment of Pombalino Buildings. <i>Lecture Notes in Civil Engineering</i> , <b>2016</b> , 171-181	0.3
2	Application of Nonlinear Static Procedures for the Seismic Assessment of a 9-Storey Asymmetric Plan Building. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2016</b> , 123-134	0.2
1	Detailed Structural Characterization of Existing RC Buildings for Seismic Exposure Modelling of the Lisbon Area. <i>Buildings</i> , <b>2022</b> , 12, 642	3.2