

# N Mendes

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,155  
citations

516681

16  
h-index

414395

32  
g-index

53  
all docs

53  
docs citations

53  
times ranked

806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical models for the seismic assessment of an old masonry tower. <i>Engineering Structures</i> , 2010, 32, 1466-1478.	5.3	201
2	Analysis of Masonry Structures Without Box Behavior. <i>International Journal of Architectural Heritage</i> , 2011, 5, 369-382.	3.1	195
3	Seismic Assessment of Masonry "Gaioleiro" Buildings in Lisbon, Portugal. <i>Journal of Earthquake Engineering</i> , 2009, 14, 80-101.	2.5	74
4	Seismic performance of the St. George of the Latins church: Lessons learned from studying masonry ruins. <i>Engineering Structures</i> , 2012, 40, 501-518.	5.3	66
5	Shaking table testing of an existing masonry building: assessment and improvement of the seismic performance. <i>Earthquake Engineering and Structural Dynamics</i> , 2014, 43, 247-266.	4.4	51
6	Multiscale Seismic Vulnerability Assessment and Retrofit of Existing Masonry Buildings. <i>Buildings</i> , 2019, 9, 91.	3.1	51
7	Sensitivity analysis of the seismic performance of existing masonry buildings. <i>Engineering Structures</i> , 2014, 80, 137-146.	5.3	50
8	Experimental investigation on the seismic performance of masonry buildings using shaking table testing. <i>Bulletin of Earthquake Engineering</i> , 2013, 11, 1157-1190.	4.1	47
9	Evaluating the seismic behaviour of rammed earth buildings from Portugal: From simple tools to advanced approaches. <i>Engineering Structures</i> , 2018, 157, 144-156.	5.3	37
10	Empirical seismic vulnerability analysis for masonry buildings based on school buildings survey in Iran. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 3195-3229.	4.1	33
11	Modal analysis of historical masonry structures: Linear perturbation and software benchmarking. <i>Construction and Building Materials</i> , 2018, 189, 1232-1250.	7.2	33
12	Methods and Challenges for the Seismic Assessment of Historic Masonry Structures. <i>International Journal of Architectural Heritage</i> , 0, , 1-18.	3.1	32
13	Expeditious damage index for arched structures based on dynamic identification testing. <i>Construction and Building Materials</i> , 2020, 265, 120236.	7.2	25
14	Seismic Performance of Historical Buildings Based on Discrete Element Method: An Adobe Church. <i>Journal of Earthquake Engineering</i> , 2020, 24, 1270-1289.	2.5	22
15	Seismic Structural Assessment of the Christchurch Catholic Basilica, New Zealand. <i>Structures</i> , 2018, 15, 115-130.	3.6	21
16	Shaking table testing for masonry infill walls: unreinforced versus reinforced solutions. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 2241-2260.	4.4	20
17	Seismic response of a small-scale masonry groin vault: experimental investigation by performing quasi-static and shake table tests. <i>Bulletin of Earthquake Engineering</i> , 2022, 20, 1739-1765.	4.1	20
18	Higher Mode Effects in Pushover Analysis of Irregular Masonry Buildings. <i>Journal of Earthquake Engineering</i> , 2021, 25, 1459-1493.	2.5	19

#	ARTICLE	IF	CITATIONS
19	Experimental Assessment of the Out-of-Plane Performance of Masonry Buildings Through Shaking Table Tests. <i>International Journal of Architectural Heritage</i> , 0, , 1-28.	3.1	17
20	Advanced non-destructive techniques for the diagnosis of historic buildings: The Loka-Hteik-Pan temple in Bagan. <i>Journal of Cultural Heritage</i> , 2020, 43, 108-117.	3.3	16
21	Diagnosis and Seismic Behavior Evaluation of the Church of S�o Miguel de Refojos (Portugal). <i>Buildings</i> , 2019, 9, 138.	3.1	14
22	Simulation of Shake Table Tests on Out-Of-Plane Masonry Buildings. Part (IV): Macro and Micro FEM Based Approaches. <i>International Journal of Architectural Heritage</i> , 0, , 1-15.	3.1	12
23	SEISMIC ASSESSMENT OF MASONRY CROSS VAULTS THROUGH NUMERICAL NONLINEAR STATIC AND DYNAMIC ANALYSIS. , 2019, , .		11
24	Vibration control systems: A review of their application to historical unreinforced masonry buildings. <i>Journal of Building Engineering</i> , 2021, 44, 103333.	3.4	10
25	Lessons from Structural Analysis of a Great Gothic Cathedral: Canterbury Cathedral as a Case Study. <i>International Journal of Architectural Heritage</i> , 2021, 15, 1765-1794.	3.1	9
26	Seismic evaluation of Bagan heritage site (Myanmar): The Loka-Hteik-Pan temple. <i>Structures</i> , 2020, 24, 905-921.	3.6	9
27	Experimental characterization of adobe vaults strengthened with a TRM-based compatible composite. <i>Construction and Building Materials</i> , 2021, 271, 121568.	7.2	8
28	Seismic Vulnerability of Existing Masonry Buildings: Nonlinear Parametric Analysis. <i>Computational Methods in Applied Sciences (Springer)</i> , 2015, , 139-164.	0.3	7
29	Protecting the Historic Buildings of Mexico: The Barrel Vault of San Agustin Church in Morelia. <i>Journal of Performance of Constructed Facilities</i> , 2021, 35, .	2.0	5
30	Dynamic behavior of a masonry bell tower subjected to actions caused by bell swinging. <i>Structures</i> , 2021, 34, 1798-1810.	3.6	5
31	Performance of rammed earth subjected to in-plane cyclic displacement. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022, 55, 1.	3.1	5
32	Reducing the Seismic Vulnerability of Existing Buildings: Assessment and Retrofit. <i>Buildings</i> , 2019, 9, 148.	3.1	3
33	Monitoring of Induced Groundborne Vibrations in Cultural Heritage Buildings: Miscellaneous Errors and Aliasing through Integration and Filtering. <i>International Journal of Architectural Heritage</i> , 2021, 15, 205-228.	3.1	3
34	Seismic Vulnerability Assessment of Ancient Masonry Building: An Experimental Method. <i>Advanced Materials Research</i> , 0, 133-134, 635-640.	0.3	2
35	Methods and Challenges on the Out-Of-Plane Assessment of Existing Masonry Buildings. <i>International Journal of Architectural Heritage</i> , 0, , 1-1.	3.1	2
36	Assessment of a Medieval Arch Bridge Resorting to Non-destructive Techniques and Numerical Tools. <i>Structural Integrity</i> , 2020, , 464-472.	1.4	2

#	ARTICLE	IF	CITATIONS
37	Seismic assessment of historic masonry structures: out-of-plane effects. , 2019, , 141-162.		1
38	Safety assessment of the South Oculus of Canterbury Cathedral. Structures, 2020, 28, 1427-1434.	3.6	1
39	Seismic assessment of the medieval Armenian church in Famagusta, Cyprus. Annals of Geophysics, 2019, 61, .	1.0	1
40	Seismic assessment of metallic neo-gothic church: Deterioration and safety of early structural design. Structures, 2022, 36, 330-343.	3.6	1
41	Design Proposal for Masonry Infill Walls Subject to Seismic Actions. Applied Sciences (Switzerland), 2022, 12, 503.	2.5	1
42	Numerical Simulation of the Tensionâ€“Compression Behavior of Tie Connections in Brick Masonry Walls. CivilEng, 2022, 3, 441-455.	1.4	1
43	Evaluation Of The Seismic Performance Of Masonry Buildings Of The Type â€œGaioleiroâ€“, Lisbon (Portugal). AIP Conference Proceedings, 2008, , .	0.4	0
44	In-situ Investigation and Stability Analysis of the Armenian Church in Famagusta. , 2017, , 231-243.		0
45	Parameterization of Structural Faults in Large Historical Constructions for Further Structural Modelling Thanks to Laser Scanning Technology and Computer Vision Algorithms. RILEM Bookseries, 2019, , 351-359.	0.4	0
46	Nondestructive testing, assessment, and strengthening for reducing the seismic vulnerability of masonry structures. , 2021, , 123-146.		0
47	Numerical simulations of derived URM-RC buildings: Assessment of strengthening interventions with RC. Journal of Building Engineering, 2021, 40, 102304.	3.4	0
48	Masonry Macro-block Analysis. , 2014, , 1-10.		0
49	SEISMIC PERFORMANCE OF ANCIENT MASONRY BUILDINGS: A SENSITIVITY ANALYSIS. , 2014, , .		0