

# Graça Vasconcelos

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

2,117  
citations

293460

24  
h-index

274796

44  
g-index

76  
all docs

76  
docs citations

76  
times ranked

1855  
citing authors

#	ARTICLE	IF	CITATIONS
1	Out-of-Plane Strengthening of Masonry Infills Using Textile Reinforced Mortar (TRM) Technique. International Journal of Architectural Heritage, 2023, 17, 310-325.	1.7	3
2	Selection of Core Indicators for the Sustainable Conservation of Built Heritage. International Journal of Architectural Heritage, 2022, 16, 1047-1062.	1.7	6
3	Morphological and Geometrical Characterization of Historical Churches of Yucatan, Mexico. International Journal of Architectural Heritage, 2022, 16, 1382-1413.	1.7	2
4	Damage index model and hysteretic viscous damping of masonry infill walls subjected to out-of-plane loadings. Journal of Building Engineering, 2022, 50, 104196.	1.6	1
5	Numerical Simulation of the Tension-Compression Behavior of Tie Connections in Brick Masonry Walls. CivilEng, 2022, 3, 441-455.	0.8	1
6	Development of a Numerical Tool for the Seismic Vulnerability Assessment of Vernacular Architecture. Journal of Earthquake Engineering, 2021, 25, 2926-2954.	1.4	12
7	Seismic Vulnerability and Loss Assessment of Vila Real de Santo António, Portugal: Application of a Novel Method. International Journal of Architectural Heritage, 2021, 15, 1585-1607.	1.7	4
8	Overview on the Nonlinear Static Procedures and Performance-Based Approach on Modern Unreinforced Masonry Buildings with Structural Irregularity. Buildings, 2021, 11, 147.	1.4	16
9	Innovative systems for earthquake-resistant masonry infill walls: Characterization of materials and masonry assemblages. Journal of Building Engineering, 2021, 39, 102195.	1.6	6
10	Updating mechanical properties of two-leaf stone masonry walls through experimental data and Bayesian inference. Construction and Building Materials, 2021, 298, 123626.	3.2	3
11	Thermal effect of high temperatures on the physical and mechanical properties of a granite used in UNESCO World Heritage sites in north Portugal. Journal of Building Engineering, 2021, 43, 102823.	1.6	20
12	Physical-mechanical characterization of limestones from Yucatan churches, Mexico. Journal of Building Engineering, 2021, 44, 102895.	1.6	5
13	Reinforcement of Traditional Timber Frame Walls. RILEM State-of-the-Art Reports, 2021, , 157-174.	0.3	0
14	Experimental Out-Of-Plane Behavior of Brick Masonry Infilled Frames. International Journal of Architectural Heritage, 2020, 14, 221-237.	1.7	37
15	Pushover analysis of unreinforced irregular masonry buildings: Lessons from different modeling approaches. Engineering Structures, 2020, 218, 110830.	2.6	47
16	Use of post-earthquake damage data to calibrate, validate and compare two seismic vulnerability assessment methods for vernacular architecture. International Journal of Disaster Risk Reduction, 2019, 39, 101242.	1.8	21
17	A vulnerability index formulation for the seismic vulnerability assessment of vernacular architecture. Engineering Structures, 2019, 197, 109381.	2.6	29
18	Influence of traditional earthquake-resistant techniques on the out-of-plane behaviour of stone masonry walls: Experimental and numerical assessment. Engineering Structures, 2019, 201, 109815.	2.6	7

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19	Effects of extreme environmental exposure conditions on the mechanical behaviour of traditional carpentry joints. <i>Construction and Building Materials</i> , 2019, 213, 61-78.	3.2	11
20	Macro-modelling approach for assessment of out-of-plane behavior of brick masonry infill walls. <i>Engineering Structures</i> , 2019, 181, 529-549.	2.6	26
21	Inspection and Analysis of Ancient Monastery of "São Romão de Neiva", Portugal. <i>RILEM Bookseries</i> , 2019, , 669-677.	0.2	0
22	Geometrical Characterization of Yucatan Churches. <i>IABSE Symposium Report</i> , 2019, , .	0.0	1
23	SEISMIC PERFORMANCE OF PORTUGUESE MASONRY INFILL WALLS: FROM TRADITIONAL SYSTEMS TO NEW SOLUTIONS. , 2019, , .		1
24	Numerical modelling of the cyclic behavior of timber-framed structures. <i>Engineering Structures</i> , 2018, 165, 210-221.	2.6	22
25	Multi-criteria analysis of rehabilitation techniques for traditional timber frame walls in Pombalino buildings (Lisbon). <i>Journal of Building Engineering</i> , 2018, 16, 184-198.	1.6	11
26	Assessment of the influence of horizontal diaphragms on the seismic performance of vernacular buildings. <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 3871-3904.	2.3	29
27	In-plane behavior of cavity masonry infills and strengthening with textile reinforced mortar. <i>Engineering Structures</i> , 2018, 156, 145-160.	2.6	83
28	Experimental seismic performance assessment of asymmetric masonry buildings. <i>Engineering Structures</i> , 2018, 155, 298-314.	2.6	25
29	Out-of-plane behavior of stone masonry walls: Experimental and numerical analysis. <i>Construction and Building Materials</i> , 2018, 179, 430-452.	3.2	35
30	Assessment of the efficiency of traditional earthquake resistant techniques for vernacular architecture. <i>Engineering Structures</i> , 2018, 173, 1-27.	2.6	21
31	Traditional earthquake resistant techniques for vernacular architecture and local seismic cultures: A literature review. <i>Journal of Cultural Heritage</i> , 2017, 27, 181-196.	1.5	90
32	Experimental assessment of the mechanical behaviour of ties on brick veneers anchored to brick masonry infills. <i>Construction and Building Materials</i> , 2017, 156, 515-531.	3.2	7
33	Brick masonry veneer walls: An overview. <i>Journal of Building Engineering</i> , 2017, 9, 29-41.	1.6	25
34	Performance evaluation of traditional timber joints under cyclic loading and their influence on the seismic response of timber frame structures. <i>Construction and Building Materials</i> , 2016, 127, 321-334.	3.2	30
35	Local Seismic Cultures: The Use of Timber Frame Structures in the South of Portugal. <i>Lecture Notes in Civil Engineering</i> , 2016, , 101-111.	0.3	3
36	Numerically based proposals for the stiffness and strength of masonry infills with openings in reinforced concrete frames. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 869-891.	2.5	25

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37	Lessons learned from the testing of RC frames with masonry infills and proposals for new solutions / Untersuchungen an mit Mauerwerk ausgefachten Stahlbetonrahmen und neue Lösungsvorschläge. Mauerwerk, 2016, 20, 99-123.	0.2	3
38	Influence of the Freeze-Thaw Cycles on the Physical and Mechanical Properties of Granites. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	26
39	Numerical Approaches for the Analysis of Timber Frame Walls. Lecture Notes in Civil Engineering, 2016, , 183-192.	0.3	2
40	Evaluation of the performance of recycled textile fibres in the mechanical behaviour of a gypsum and cork composite material. Cement and Concrete Composites, 2015, 58, 29-39.	4.6	39
41	Seismic behaviour of traditional timber frame walls: experimental results on unreinforced walls. Bulletin of Earthquake Engineering, 2015, 13, 885-916.	2.3	61
42	Experimental assessment of an innovative strengthening material for brick masonry infills. Composites Part B: Engineering, 2015, 80, 328-342.	5.9	43
43	Application of near surface mounted (NSM) strengthening technique to traditional timber frame walls. Construction and Building Materials, 2015, 76, 34-50.	3.2	18
44	An Overview on the Seismic Behaviour of Timber Frame Structures. , 2015, , 119-132.		5
45	EVALUATION OF SEISMIC VULNERABILITY ASSESSMENT PARAMETERS FOR PORTUGUESE VERNACULAR CONSTRUCTIONS WITH NONLINEAR NUMERICAL ANALYSIS. , 2015, , .		2
46	Traditional Timber Frame Walls. Advances in Civil and Industrial Engineering Book Series, 2015, , 30-59.	0.2	1
47	Seismic Performance of Traditional Half-Timbered Walls: Experimental Results. , 2015, , 53-66.		1
48	Masonry Components. , 2015, , 1396-1411.		0
49	Excellent bonding behaviour of novel surface-tailored fibre composite rods with cementitious matrix. Bulletin of Materials Science, 2014, 37, 1013-1016.	0.8	7
50	Assessment of Compressive Behavior of Concrete Masonry Prisms Partially Filled by General Mortar. Journal of Materials in Civil Engineering, 2014, 26, .	1.3	24
51	Full-Scale Experimental Testing of Retrofitting Techniques in Portuguese "Pombalino" Traditional Timber Frame Walls. Journal of Earthquake Engineering, 2014, 18, 553-579.	1.4	14
52	The evaluation of the thermal behaviour of a mortar based brick masonry wall coated with TiO <sub>2</sub> nanoparticles: An experimental assessment towards energy efficient buildings. Energy and Buildings, 2014, 81, 1-8.	3.1	13
53	Experimental investigation on the seismic performance of masonry buildings using shaking table testing. Bulletin of Earthquake Engineering, 2013, 11, 1157-1190.	2.3	47
54	Proposal of an innovative solution for partition walls: Mechanical, thermal and acoustic validation. Construction and Building Materials, 2013, 48, 961-979.	3.2	19

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55	Numerical modelling of non-confined and confined masonry walls. <i>Construction and Building Materials</i> , 2013, 41, 968-976.	3.2	52
56	Proposal of a Design Model for Masonry Walls Subjected to In-Plane Loading. <i>Journal of Structural Engineering</i> , 2013, 139, 537-547.	1.7	11
57	In-plane shear behaviour of traditional timber walls. <i>Engineering Structures</i> , 2013, 56, 1028-1048.	2.6	47
58	Experimental analysis of reinforced concrete block masonry spandrels using pre-fabricated planar trussed bars. <i>Construction and Building Materials</i> , 2012, 26, 156-166.	3.2	6
59	Modelling the compressive mechanical behaviour of granite and sandstone historical building stones. <i>Construction and Building Materials</i> , 2012, 28, 372-381.	3.2	60
60	Numerical analysis of concrete block masonry beams under three point bending. <i>Engineering Structures</i> , 2011, 33, 3226-3237.	2.6	9
61	Influence of aggregates grading and water/cement ratio in workability and hardened properties of mortars. <i>Construction and Building Materials</i> , 2011, 25, 2980-2987.	3.2	189
62	Parametrical study of masonry walls subjected to in-plane loading through numerical modeling. <i>Engineering Structures</i> , 2011, 33, 1377-1389.	2.6	65
63	Vertically perforated clay brick masonry for loadbearing and non-loadbearing masonry walls. <i>Construction and Building Materials</i> , 2010, 24, 2317-2330.	3.2	54
64	Assessment of the Flexural Behavior of Concrete Block Masonry Beams. <i>Materials Science Forum</i> , 2010, 636-637, 1313-1320.	0.3	1
65	Experimental Analysis of Reinforced Concrete Block Masonry Walls Subjected to In-Plane Cyclic Loading. <i>Journal of Structural Engineering</i> , 2010, 136, 452-462.	1.7	83
66	In-Plane Experimental Behavior of Stone Masonry Walls under Cyclic Loading. <i>Journal of Structural Engineering</i> , 2009, 135, 1269-1277.	1.7	128
67	Experimental characterization of stone masonry in shear and compression. <i>Construction and Building Materials</i> , 2009, 23, 3337-3345.	3.2	164
68	Compressive Behavior of Granite: Experimental Approach. <i>Journal of Materials in Civil Engineering</i> , 2009, 21, 502-511.	1.3	30
69	Ultrasonic evaluation of the physical and mechanical properties of granites. <i>Ultrasonics</i> , 2008, 48, 453-466.	2.1	169
70	Experimental characterization of the tensile behaviour of granites. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2008, 45, 268-277.	2.6	25
71	Mode I Fracture Surface of Granite: Measurements and Correlations with Mechanical Properties. <i>Journal of Materials in Civil Engineering</i> , 2008, 20, 245-254.	1.3	15
72	Influence of the Geometry of Units and of the Filling of Vertical Joints in the Compressive and Tensile Strength of Masonry. <i>Materials Science Forum</i> , 0, 636-637, 1321-1328.	0.3	5

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73	Mechanical Behavior of Gypsum and Cork Based Composite Material. Materials Science Forum, 0, 730-732, 361-366.	0.3	2
74	Seismic Behaviour and Retrofitting of Timber Frame Walls. Advanced Materials Research, 0, 778, 706-713.	0.3	12