

Andr Furtado

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papers

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56
ext. papers

1,041
ext. citations

3.2
avg, IF

4.82
L-index

#	Paper	IF	Citations
54	Experimental evaluation of out-of-plane capacity of masonry infill walls. <i>Engineering Structures</i> , 2016 , 111, 48-63	4.7	112
53	Simplified macro-model for infill masonry walls considering the out-of-plane behaviour. <i>Earthquake Engineering and Structural Dynamics</i> , 2016 , 45, 507-524	4	79
52	Seismic performance of the infill masonry walls and ambient vibration tests after the Ghorka 2015, Nepal earthquake. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 1185-1212	3.7	48
51	Modelling of masonry infill walls participation in the seismic behaviour of RC buildings using OpenSees. <i>International Journal of Advanced Structural Engineering</i> , 2015 , 7, 117-127	2	43
50	Out-of-plane behavior of masonry infilled RC frames based on the experimental tests available: A systematic review. <i>Construction and Building Materials</i> , 2018 , 168, 831-848	6.7	34
49	2D and 3D Digital Image Correlation in Civil Engineering [Measurements in a Masonry Wall. <i>Procedia Engineering</i> , 2015 , 114, 215-222		31
48	Behavior of Rectangular Reinforced-Concrete Columns under Biaxial Cyclic Loading and Variable Axial Loads. <i>Journal of Structural Engineering</i> , 2016 , 142, 04015085	3	30
47	Experimental analysis of strengthening solutions for the out-of-plane collapse of masonry infills in RC structures through textile reinforced mortars. <i>Engineering Structures</i> , 2020 , 207, 110203	4.7	28
46	Mainshock-aftershock damage assessment of infilled RC structures. <i>Engineering Structures</i> , 2018 , 175, 645-660	4.7	28
45	Behaviour Characterization and Rehabilitation of Adobe Construction. <i>Procedia Engineering</i> , 2015 , 114, 714-721		25
44	Experimental study of repaired RC columns subjected to uniaxial and biaxial horizontal loading and variable axial load with longitudinal reinforcement welded steel bars solutions. <i>Engineering Structures</i> , 2018 , 155, 371-386	4.7	25
43	Effect of the Panel Width Support and Columns Axial Load on the Infill Masonry Walls Out-Of-Plane Behavior. <i>Journal of Earthquake Engineering</i> , 2020 , 24, 653-681	1.8	24
42	Prediction of the earthquake response of a three-storey infilled RC structure. <i>Engineering Structures</i> , 2018 , 171, 214-235	4.7	24
41	Evaluation of different strengthening techniques efficiency for a soft storey building. <i>European Journal of Environmental and Civil Engineering</i> , 2017 , 21, 371-388	1.5	23
40	Geometric characterisation of Portuguese RC buildings with masonry infill walls. <i>European Journal of Environmental and Civil Engineering</i> , 2016 , 20, 396-411	1.5	22
39	Experimental evaluation of energy dissipation and viscous damping of repaired and strengthened RC columns with CFRP jacketing under biaxial load. <i>Engineering Structures</i> , 2017 , 145, 162-175	4.7	21
38	Seismic behavior of strengthened RC columns under biaxial loading: An experimental characterization. <i>Construction and Building Materials</i> , 2015 , 95, 393-405	6.7	21

37	Experimental tests on strengthening strategies for masonry infill walls: A literature review. <i>Construction and Building Materials</i> , 2020 , 263, 120520	6.7	21
36	Modal identification of infill masonry walls with different characteristics. <i>Engineering Structures</i> , 2017 , 145, 118-134	4.7	20
35	Influence of the in Plane and Out-of-Plane Masonry Infill Walls Interaction in the Structural Response of RC Buildings. <i>Procedia Engineering</i> , 2015 , 114, 722-729		18
34	Seismic Rehabilitation of RC Columns Under Biaxial Loading: An Experimental Characterization. <i>Structures</i> , 2015 , 3, 43-56	3.4	15
33	Study of the Seismic Response on the Infill Masonry Walls of a 15-Storey Reinforced Concrete Structure in Nepal. <i>Buildings</i> , 2019 , 9, 39	3.2	14
32	Seismic Performance of Buildings in Nepal After the Gorkha Earthquake 2018 , 47-63		14
31	Mechanical properties characterization of different types of masonry infill walls. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 411-434	2.5	11
30	Seismic Assessment of a School Building in Nepal and Analysis of Retrofitting Solutions. <i>International Journal of Civil Engineering</i> , 2018 , 16, 1573-1589	1.9	10
29	Experimental Characterization of the In-plane and Out-of-Plane Behaviour of Infill Masonry Walls. <i>Procedia Engineering</i> , 2015 , 114, 862-869		10
28	Double-Leaf Infill Masonry Walls Cyclic In-Plane Behaviour: Experimental and Numerical Investigation. <i>Open Construction and Building Technology Journal</i> , 2018 , 12, 35-48	1.1	10
27	The use of textile-reinforced mortar as a strengthening technique for the infill walls out-of-plane behaviour. <i>Composite Structures</i> , 2021 , 255, 113029	5.3	10
26	Recent Findings and Open Issues concerning the Seismic Behaviour of Masonry Infill Walls in RC Buildings. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-20	1.3	9
25	Calibration of a simplified macro-model for infilled frames with openings. <i>Advances in Structural Engineering</i> , 2018 , 21, 157-170	1.9	9
24	Assessment of the mainshock-aftershock collapse vulnerability of RC structures considering the infills in-plane and out-of-plane behaviour. <i>Procedia Engineering</i> , 2017 , 199, 619-624		6
23	In-plane Response of Masonry Infill Walls: Experimental Study using Digital Image Correlation. <i>Procedia Engineering</i> , 2015 , 114, 870-876		5
22	Seismic Vulnerability and Parametric Study on a Bare Frame Building in Nepal. <i>Frontiers in Built Environment</i> , 2016 , 2,	2.2	5
21	Experimental Investigation on the Possible Effect of Previous Damage, Workmanship and Test Setup on the Out-of-plane Behaviour of Masonry Infill Walls. <i>Journal of Earthquake Engineering</i> , 1-32	1.8	5
20	Load-Path Influence in the Response of RC Buildings Subjected to Biaxial Horizontal Loadings: Numerical Study. <i>International Journal of Civil Engineering</i> , 2018 , 16, 739-755	1.9	4

19	Mechanical characterization of concrete block used on infill masonry panels. <i>International Journal of Structural Integrity</i> , 2018 , 9, 281-295	1	4
18	A Review of the Performance of Infilled RC Structures in Recent Earthquakes. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5889	2.6	4
17	Cantilever flexural strength tests of masonry infill walls strengthened with textile-reinforced mortar. <i>Journal of Building Engineering</i> , 2021 , 33, 101611	5.2	4
16	Numerical modelling of RC strengthened columns under biaxial loading. <i>Innovative Infrastructure Solutions</i> , 2016 , 1, 1	2.3	3
15	Cost-effective analysis of textile-reinforced mortar solutions used to reduce masonry infill walls collapse probability under seismic loads. <i>Structures</i> , 2020 , 28, 141-157	3.4	3
14	Experimental characterization of the out-of-plane behaviour of masonry infill walls made of lightweight concrete blocks. <i>Engineering Structures</i> , 2021 , 244, 112755	4.7	3
13	PERFORMANCE ASSESSMENT OF INFILLED RC STRUCTURES CONSIDERING THE INFILL MASONRY WALLS OUT-OF-PLANE BEHAVIOUR 2017 ,		2
12	Irregularities in RC Buildings: Perspectives in Current Seismic Design Codes, Difficulties in Their Application and Further Research Needs. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2022 , 1-18	0.2	1
11	Post-earthquake Field Measurement-Based System Identification and Finite Element Modeling of an 18-Story Masonry-Infilled RC Building. <i>Lecture Notes in Civil Engineering</i> , 2018 , 746-757	0.3	1
10	Impact of the Textile Mesh on the Efficiency of TRM Strengthening Solutions to Improve the Infill Walls Out-of-Plane Behaviour. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8745	2.6	1
9	The role of the openings in the out-of-plane behaviour of masonry infill walls. <i>Engineering Structures</i> , 2021 , 244, 112793	4.7	1
8	Effect of the infill panels in the floor response spectra of an 8-storey RC building. <i>Structures</i> , 2021 , 34, 2476-2498	3.4	1
7	Experimental and numerical assessment of confined infill walls with openings and textile-reinforced mortar. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 151, 106960	3.5	1
6	Damage index model and hysteretic viscous damping of masonry infill walls subjected to out-of-plane loadings. <i>Journal of Building Engineering</i> , 2022 , 50, 104196	5.2	1
5	Behaviour of Masonry-Infilled RC Frames Strengthened Using Textile Reinforced Mortar: An Experimental and Numerical Studies Overview. <i>Journal of Earthquake Engineering</i> , 1-25	1.8	0
4	Influence of textile reinforced mortars strengthening on the in-plane/out-of-plane response of masonry infill walls in RC frames. <i>Engineering Structures</i> , 2022 , 254, 113887	4.7	0
3	Recent Advances on Analysis Methods and Modelling Approaches for Seismic Assessment and Design of Infilled RC Buildings. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-1	1.3	0
2	Interactions between Seismic Safety and Energy Efficiency for Masonry Infill Walls: A Shift of the Paradigm. <i>Energies</i> , 2022 , 15, 3269	3.1	0

- 1 Influence of Infill Masonry Walls in the Seismic Response of Buildings: From Field Observations to Laboratory Research. *Springer Natural Hazards*, **2018**, 451-466 0.7