Hugo Rodrigues

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7838303/publications.pdf

Version: 2024-02-01

237	5,400	94433 37	128289 60
papers	citations	h-index	g-index

244	244	244	3124
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seismic vulnerability and risk assessment: case study of the historic city centre of Coimbra, Portugal. Bulletin of Earthquake Engineering, 2011, 9, 1067-1096.	4.1	205
2	Experimental evaluation of out-of-plane capacity of masonry infill walls. Engineering Structures, 2016, 111, 48-63.	5.3	148
3	Optical Fiber Accelerometer System for Structural Dynamic Monitoring. IEEE Sensors Journal, 2009, 9, 1347-1354.	4.7	126
4	Simplified Macro-Model for Infill Masonry Panels. Journal of Earthquake Engineering, 2010, 14, 390-416.	2.5	126
5	Seismic risk assessment for mainland Portugal. Bulletin of Earthquake Engineering, 2015, 13, 429-457.	4.1	116
6	Field observations and interpretation of the structural performance of constructions after the 11 May 2011 Lorca earthquake. Engineering Failure Analysis, 2013, 34, 670-692.	4.0	114
7	Seismic vulnerability assessment of historical urban centres: case study of the old city centre in Seixal, Portugal. Bulletin of Earthquake Engineering, 2013, 11, 1753-1773.	4.1	111
8	Simplified macroâ€model for infill masonry walls considering the outâ€ofâ€plane behaviour. Earthquake Engineering and Structural Dynamics, 2016, 45, 507-524.	4.4	111
9	Common structural and construction deficiencies of Nepalese buildings. Innovative Infrastructure Solutions, 2016, 1, 1.	2.2	109
10	Experimental evaluation of rectangular reinforced concrete column behaviour under biaxial cyclic loading. Earthquake Engineering and Structural Dynamics, 2013, 42, 239-259.	4.4	93
11	Traditional earthquake resistant techniques for vernacular architecture and local seismic cultures: A literature review. Journal of Cultural Heritage, 2017, 27, 181-196.	3.3	90
12	Performance of masonry enclosure walls: lessons learned from recent earthquakes. Earthquake Engineering and Engineering Vibration, 2012, 11, 23-34.	2.3	88
13	Stochastic Vulnerability Assessment of Masonry Structures: Concepts, Modeling and Restoration Aspects. Applied Sciences (Switzerland), 2019, 9, 243.	2.5	83
14	A comparative analysis of energy dissipation and equivalent viscous damping of RC columns subjected to uniaxial and biaxial loading. Engineering Structures, 2012, 35, 149-164.	5.3	78
15	Uniaxial fiber Bragg grating accelerometer system with temperature and cross axis insensitivity. Measurement: Journal of the International Measurement Confederation, 2011, 44, 55-59.	5.0	75
16	Optical fiber sensors for static and dynamic health monitoring of civil engineering infrastructures: Abode wall case study. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1695-1705.	5.0	75
17	Biaxial Optical Accelerometer and High-Angle Inclinometer With Temperature and Cross-Axis Insensitivity. IEEE Sensors Journal, 2012, 12, 2399-2406.	4.7	74
18	Seismic risk assessment and hazard mapping in Nepal. Natural Hazards, 2015, 78, 583-602.	3.4	74

#	Article	IF	Citations
19	Investigation of the characteristics of Portuguese regular moment-frame RC buildings and development of a vulnerability model. Bulletin of Earthquake Engineering, 2015, 13, 1455-1490.	4.1	70
20	Structural Health Monitoring of the Church of Santa Casa da MisericÃ“rdia of Aveiro Using FBG Sensors. IEEE Sensors Journal, 2008, 8, 1236-1242.	4.7	69
21	Modelling of masonry infill walls participation in the seismic behaviour of RC buildings using OpenSees. International Journal of Advanced Structural Engineering, 2015, 7, 117-127.	1.3	62
22	Seismic performance of the infill masonry walls and ambient vibration tests after the Ghorka 2015, Nepal earthquake. Bulletin of Earthquake Engineering, 2017, 15, 1185-1212.	4.1	61
23	Soft computing-based models for the prediction of masonry compressive strength. Engineering Structures, 2021, 248, 113276.	5.3	61
24	Numerical modelling of the cyclic behaviour of RC elements built with plain reinforcing bars. Engineering Structures, 2011, 33, 273-286.	5.3	60
25	A mechanical model for the seismic vulnerability assessment of old masonry buildings. Earthquake and Structures, 2011, 2, 25-42.	1.0	59
26	Seismic vulnerability assessment and characterisation of the buildings on Faial Island, Azores. Bulletin of Earthquake Engineering, 2012, 10, 27-44.	4.1	58
27	Seismic Retrofit Schemes with FRP for Deficient RC Beam-Column Joints: State-of-the-Art Review. Journal of Composites for Construction, 2019, 23, .	3.2	54
28	Comparative efficiency analysis of different nonlinear modelling strategies to simulate the biaxial response of RC columns. Earthquake Engineering and Engineering Vibration, 2012, 11, 553-566.	2.3	53
29	Out-of-plane behavior of masonry infilled RC frames based on the experimental tests available: A systematic review. Construction and Building Materials, 2018, 168, 831-848.	7.2	52
30	Global overview on advances in structural health monitoring platforms. Journal of Civil Structural Health Monitoring, 2016, 6, 461-475.	3.9	49
31	Performance of Medium-to-High Rise Reinforced Concrete Frame Buildings with Masonry Infill in the 2015 Gorkha, Nepal, Earthquake. Earthquake Spectra, 2017, 33, 197-218.	3.1	49
32	Mainshock-aftershock damage assessment of infilled RC structures. Engineering Structures, 2018, 175, 645-660.	5.3	49
33	Seismic vulnerability assessment of masonry facade walls: development, application and validation of a new scoring method. Structural Engineering and Mechanics, 2014, 50, 541-561.	1.0	47
34	Behavior of Rectangular Reinforced-Concrete Columns under Biaxial Cyclic Loading and Variable Axial Loads. Journal of Structural Engineering, 2016, 142, .	3.4	46
35	Seismic response of current RC buildings in Nepal: A comparative analysis of different design/construction. Engineering Structures, 2013, 49, 284-294.	5.3	42
36	2D and 3D Digital Image Correlation in Civil Engineering â€“ Measurements in a Masonry Wall. Procedia Engineering, 2015, 114, 215-222.	1.2	41

#	Article	IF	Citations
37	Damage evolution in reinforced concrete columns subjected to biaxial loading. Bulletin of Earthquake Engineering, 2013, 11, 1517-1540.	4.1	40
38	Earthquake loss estimation for the Kathmandu Valley. Bulletin of Earthquake Engineering, 2016, 14, 59-88.	4.1	39
39	Improvement of historic reinforced concrete/mortars by impregnation and electrochemical methods. Cement and Concrete Composites, 2014, 49, 50-58.	10.7	38
40	Experimental analysis of strengthening solutions for the out-of-plane collapse of masonry infills in RC structures through textile reinforced mortars. Engineering Structures, 2020, 207, 110203.	5.3	38
41	Experimental tests on strengthening strategies for masonry infill walls: A literature review. Construction and Building Materials, 2020, 263, 120520.	7.2	37
42	Behaviour of reinforced concrete column under biaxial cyclic loadingâ€"state of the art. International Journal of Advanced Structural Engineering, 2013, 5, 4.	1.3	36
43	Building life cycle applied to refurbishment of a traditional building from Oporto, Portugal. Journal of Building Engineering, 2018, 17, 84-95.	3.4	36
44	Evaluation of Strengthening Techniques of Traditional Masonry Buildings: Case Study of a Four-Building Aggregate. Journal of Performance of Constructed Facilities, 2011, 25, 202-216.	2.0	35
45	Displacement-Based Fragility Curves for Seismic Assessment of Adobe Buildings in Cusco, Peru. Earthquake Spectra, 2012, 28, 759-794.	3.1	35
46	Experimental cyclic behaviour of RC columns with plain bars and proposal for Eurocode 8 formula improvement. Engineering Structures, 2015, 88, 22-36.	5.3	35
47	Experimental Study of Rubberized Concrete Stress-Strain Behavior for Improving Constitutive Models. Materials, 2018, 11, 2245.	2.9	35
48	Out-of-plane behavior of stone masonry walls: Experimental and numerical analysis. Construction and Building Materials, 2018, 179, 430-452.	7.2	35
49	Geometric characterisation of Portuguese RC buildings with masonry infill walls. European Journal of Environmental and Civil Engineering, 2016, 20, 396-411.	2.1	34
50	Effect of the Panel Width Support and Columns Axial Load on the Infill Masonry Walls Out-Of-Plane Behavior. Journal of Earthquake Engineering, 2020, 24, 653-681.	2.5	34
51	Experimental study of repaired RC columns subjected to uniaxial and biaxial horizontal loading and variable axial load with longitudinal reinforcement welded steel bars solutions. Engineering Structures, 2018, 155, 371-386.	5.3	33
52	Experimental study of bondâ€"slip in RC structural elements with plain bars. Materials and Structures/Materiaux Et Constructions, 2015, 48, 2367-2381.	3.1	32
53	Prediction of the earthquake response of a three-storey infilled RC structure. Engineering Structures, 2018, 171, 214-235.	5.3	32
54	Monitoring of the concrete curing process using plastic optical fibers. Measurement: Journal of the International Measurement Confederation, 2012, 45, 556-560.	5.0	31

#	Article	IF	Citations
55	Weldable fibre Bragg grating sensors for steel bridge monitoring. Measurement Science and Technology, 2008, 19, 125305.	2.6	30
56	Intensity-Encoded Polymer Optical Fiber Accelerometer. IEEE Sensors Journal, 2013, 13, 1716-1720.	4.7	30
57	Cyclic behaviour of interior beamâ€“column joints reinforced with plain bars. Earthquake Engineering and Structural Dynamics, 2015, 44, 1351-1371.	4.4	30
58	Evaluation of different strengthening techniquesâ€™ efficiency for a soft storey building. European Journal of Environmental and Civil Engineering, 2017, 21, 371-388.	2.1	30
59	Study of the Seismic Response on the Infill Masonry Walls of a 15-Storey Reinforced Concrete Structure in Nepal. Buildings, 2019, 9, 39.	3.1	30
60	Groundwater level monitoring using a plastic optical fiber. Sensors and Actuators A: Physical, 2016, 240, 138-144.	4.1	29
61	Assessment of the influence of horizontal diaphragms on the seismic performance of vernacular buildings. Bulletin of Earthquake Engineering, 2018, 16, 3871-3904.	4.1	29
62	A vulnerability index formulation for the seismic vulnerability assessment of vernacular architecture. Engineering Structures, 2019, 197, 109381.	5.3	29
63	Masonry Compressive Strength Prediction Using Artificial Neural Networks. Communications in Computer and Information Science, 2019, , 200-224.	0.5	29
64	Seismic response of current RC buildings in Kathmandu Valley. Structural Engineering and Mechanics, 2015, 53, 791-818.	1.0	29
65	Seismic Performance of Buildings in Nepal After the Gorkha Earthquake. , 2018, , 47-63.		28
66	A Building Information Modeling Approach to Integrate Geomatic Data for the Documentation and Preservation of Cultural Heritage. Remote Sensing, 2020, 12, 4028.	4.0	28
67	Seismic sensitivity analysis of the common structural components of Nepalese Pagoda temples. Bulletin of Earthquake Engineering, 2014, 12, 1679-1703.	4.1	27
68	Modal identification of infill masonry walls with different characteristics. Engineering Structures, 2017, 145, 118-134.	5.3	27
69	Long-term monitoring of a damaged historic structure using a wireless sensor network. Engineering Structures, 2018, 161, 108-117.	5.3	27
70	A non-linear masonry infill macro-model to represent the global behaviour of buildings under cyclic loading. International Journal of Mechanics and Materials in Design, 2008, 4, 123-135.	3.0	26
71	Importance of the bondâ€“slip mechanism in the numerical simulation of the cyclic response of RC elements with plain reinforcing bars. Engineering Structures, 2013, 56, 396-406.	5.3	26
72	Response reduction factor of irregular RC buildings in Kathmandu valley. Earthquake Engineering and Engineering Vibration, 2014, 13, 455-470.	2.3	26

#	Article	IF	Citations
73	Seismic behavior of strengthened RC columns under biaxial loading: An experimental characterization. Construction and Building Materials, 2015, 95, 393-405.	7.2	26
74	Experimental evaluation of energy dissipation and viscous damping of repaired and strengthened RC columns with CFRP jacketing under biaxial load. Engineering Structures, 2017, 145, 162-175.	5.3	26
75	Seismic performance of RC precast industrial buildingsâ€"learning with the past earthquakes. Innovative Infrastructure Solutions, 2019, 4, 1.	2.2	26
76	Simplified hysteretic model for the representation of the biaxial bending response of RC columns. Engineering Structures, 2012, 44, 146-158.	5.3	25
77	BIM-based LCA assessment of seismic strengthening solutions for reinforced concrete precast industrial buildings. Innovative Infrastructure Solutions, 2019, 4, 1.	2.2	25
78	Development of a Web Application for Historical Building Management through BIM Technology. Advances in Civil Engineering, 2019, 2019, 1-15.	0.7	25
79	Site effects and associated structural damage analysis in Kathmandu Valley, Nepal. Earthquake and Structures, 2016, 10, 1013-1032.	1.0	25
80	Seismic behavior of RC building structures designed according to current codes. Structures, 2016, 7, 1-13.	3.6	24
81	Assessment and mitigation of seismic risk at the urban scale: an application to the historic city center of Leiria, Portugal. Bulletin of Earthquake Engineering, 2020, 18, 2607-2634.	4.1	24
82	Building condition assessment supported by Building Information Modelling. Journal of Building Engineering, 2021, 38, 102186.	3.4	24
83	Influence of the in Plane and Out-of-Plane Masonry Infill Wallsâ€™ Interaction in the Structural Response of RC Buildings. Procedia Engineering, 2015, 114, 722-729.	1.2	23
84	Optical sensors for bond-slip characterization and monitoring of RC structures. Sensors and Actuators A: Physical, 2018, 280, 332-339.	4.1	23
85	Dynamic Structural Health Monitoring of Slender Structures Using Optical Sensors. Sensors, 2012, 12, 6629-6644.	3.8	22
86	Dynamic monitoring and numerical modelling of communication towers with FBG based accelerometers. Journal of Constructional Steel Research, 2012, 74, 58-62.	3.9	22
87	Numerical modelling of the cyclic behavior of timber-framed structures. Engineering Structures, 2018, 165, 210-221.	5.3	22
88	Numerical simulation of beam-to-column connections in precast reinforced concrete buildings using fibre-based frame models. Engineering Structures, 2020, 203, 109845.	5.3	22
89	The use of textile-reinforced mortar as a strengthening technique for the infill walls out-of-plane behaviour. Composite Structures, 2021, 255, 113029.	5.8	22
90	Tuned liquid dampers simulation for earthquake response control of buildings. Bulletin of Earthquake Engineering, 2014, 12, 1007-1024.	4.1	21

#	Article	IF	Citations
91	Seismic Rehabilitation of RC Columns Under Biaxial Loading: An Experimental Characterization. Structures, 2015, 3, 43-56.	3.6	21
92	Assessment of the efficiency of traditional earthquake resistant techniques for vernacular architecture. Engineering Structures, 2018, 173, 1-27.	5.3	21
93	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.	3.9	21
94	Development of fragility curves for RC bridges subjected to reverse and strike-slip seismic sources. Earthquake and Structures, 2016, 11, 517-538.	1.0	21
95	Evaluation of post-earthquake fire capacity of reinforced concrete elements. Soil Dynamics and Earthquake Engineering, 2020, 128, 105900.	3.8	20
96	Seismic damage scenarios for the Historic City Center of Leiria, Portugal: Analysis of the impact of different seismic retrofitting strategies on emergency planning. International Journal of Disaster Risk Reduction, 2020, 44, 101432.	3.9	20
97	Mechanical properties characterization of different types of masonry infill walls. Frontiers of Structural and Civil Engineering, 2020, 14, 411-434.	2.9	20
98	Revisiting Major Historical Earthquakes in Nepal. , 2018, , 1-17.		19
99	Optical Sensors Based on Fiber Bragg Gratings for Structural Health Monitoring. Lecture Notes in Electrical Engineering, 2011, , 253-295.	0.4	18
100	Assessment of seismic strengthening solutions for existing low-rise RC buildings in Nepal. Earthquake and Structures, 2015, 8, 511-539.	1.0	18
101	Dynamic structural health monitoring of a civil engineering structure with a POF accelerometer. Sensor Review, 2014, 34, 36-41.	1.8	17
102	Seismic safety assessment of existing masonry infill structures in Nepal. Earthquake Engineering and Engineering Vibration, 2016, 15, 251-268.	2.3	17
103	Calibration of a simplified macro-model for infilled frames with openings. Advances in Structural Engineering, 2018, 21, 157-170.	2.4	17
104	A Review of the Performance of Infilled RC Structures in Recent Earthquakes. Applied Sciences (Switzerland), 2021, 11, 5889.	2.5	17
105	In situOut-of-Plane Cyclic Testing of Original and Strengthened Traditional Stone Masonry Walls Using Airbags. Journal of Earthquake Engineering, 2016, 20, 749-772.	2.5	16
106	Seismic Vulnerability Assessment of Existing Reinforced Concrete Buildings in Urban Centers. Sustainability, 2020, 12, 1996.	3.2	16
107	Experimental and numerical assessment of confined infill walls with openings and textile-reinforced mortar. Soil Dynamics and Earthquake Engineering, 2021, 151, 106960.	3.8	16
108	Double-Leaf Infill Masonry Walls Cyclic In-Plane Behaviour: Experimental and Numerical Investigation. Open Construction and Building Technology Journal, 2018, 12, 35-48.	0.7	16

#	Article	IF	Citations
109	Seismic vulnerability and loss assessment of the Nepalese Pagoda temples. Bulletin of Earthquake Engineering, 2015, 13, 2197-2223.	4.1	15
110	Seismic vulnerability of bhutanese vernacular stone masonry buildings: From damage observation to fragility analysis. Soil Dynamics and Earthquake Engineering, 2022, 160, 107351.	3.8	15
111	Structural health monitoring of the retrofitting process, characterization and reliability analysis of a masonry heritage construction. Journal of Civil Structural Health Monitoring, 2017, 7, 405-428.	3.9	14
112	Seismic Assessment of a School Building in Nepal and Analysis of Retrofitting Solutions. International Journal of Civil Engineering, 2018, 16, 1573-1589.	2.0	14
113	Experimental Characterization of the In-plane and Out-of-Plane Behaviour of Infill Masonry Walls. Procedia Engineering, 2015, 114, 862-869.	1.2	12
114	Stochastic collocation-based nonlinear analysis of concrete bridges with uncertain parameters. Structure and Infrastructure Engineering, 2018, 14, 1324-1338.	3.7	12
115	Development of a Numerical Tool for the Seismic Vulnerability Assessment of Vernacular Architecture. Journal of Earthquake Engineering, 2021, 25, 2926-2954.	2.5	12
116	Seismic Vulnerability of Urban Vernacular Buildings in Nepal: Case of Newari Construction. Journal of Earthquake Engineering, 2021, 25, 43-64.	2.5	12
117	Comparative structural response of two steel bridges constructed 100 years apart. Structure and Infrastructure Engineering, 2011, 7, 843-855.	3.7	11
118	Two roofs of recent public buildings, the same technological failure. Engineering Failure Analysis, 2011, 18, 811-817.	4.0	11
119	Seismic behavior of two Portuguese adobe buildings: part II â€"numerical modeling and fragility assessment. International Journal of Architectural Heritage, 2018, 12, 936-950.	3.1	11
120	Study of a self-compacting fiber-reinforced concrete to be applied in the precast industry. Innovative Infrastructure Solutions, 2018, 3, 1.	2.2	11
121	A dynamic multi-criteria decision-making model for the maintenance planning of reinforced concrete structures. Journal of Building Engineering, 2020, 27, 100971.	3.4	11
122	Post-earthquake fire risk assessment of historic urban areas: A scenario-based analysis applied to the Historic City Centre of Leiria, Portugal. International Journal of Disaster Risk Reduction, 2021, 60, 102287.	3.9	11
123	Building Condition Indicators Analysis for BIM-FM Integration. Archives of Computational Methods in Engineering, 2022, 29, 3919-3942.	10.2	11
124	Influence of textile reinforced mortars strengthening on the in-plane/out-of-plane response of masonry infill walls in RC frames. Engineering Structures, 2022, 254, 113887.	5.3	11
125	Design Procedures of Reinforced Concrete Framed Buildings in Nepal and its Impact on Seismic Safety. Advances in Structural Engineering, 2014, 17, 1419-1442.	2.4	10
126	Evaluation of post-earthquake fire capacity of a reinforced concrete one bay plane frame under ISO fire exposure. Structures, 2020, 23, 602-611.	3.6	10

#	Article	IF	Citations
127	Experimental Investigation on the Possible Effect of Previous Damage, Workmanship and Test Setup on the Out-of-plane Behaviour of Masonry Infill Walls. Journal of Earthquake Engineering, 2022, 26, 5647-5678.	2.5	10
128	Comparative Analysis of RC Irregular Buildings Designed According to Different Seismic Design Codes. Open Construction and Building Technology Journal, 2013, 7, 221-229.	0.7	10
129	Assessment of the mainshock-aftershock collapse vulnerability of RC structures considering the infills in-plane and out-of-plane behaviour. Procedia Engineering, 2017, 199, 619-624.	1.2	9
130	Generation of spectrum-compatible acceleration time history for Nepal. Comptes Rendus - Geoscience, 2017, 349, 198-201.	1.2	9
131	Seismic behavior of two Portuguese adobe buildings: Part I - in-plane cyclic testing of a full-scale adobe wall. International Journal of Architectural Heritage, 2018, 12, 922-935.	3.1	9
132	Structural Repair and Strengthening of RC Elements with Concrete Jacketing. Building Pathology and Rehabilitation, 2018, , 181-198.	0.2	9
133	Bridging Multi-hazard Vulnerability and Sustainability: Approaches and Applications to Nepali Highway Bridges. , 2019, , 361-378.		9
134	Energy efficiency assessment of a public building resourcing a BIM model. Innovative Infrastructure Solutions, 2020, 5, 1.	2.2	9
135	Numerical modeling of the seismic performance of Romanian timber-framed masonry walls. Engineering Structures, 2021, 239, 112272.	5.3	9
136	Experimental characterization of the out-of-plane behaviour of masonry infill walls made of lightweight concrete blocks. Engineering Structures, 2021, 244, 112755.	5.3	9
137	Effect of bidirectional excitation on seismic performance of regular RC frame buildings designed for modern codes. Earthquake Spectra, 2022, 38, 950-980.	3.1	9
138	Structural health monitoring of different geometry structures with optical fiber sensors. Photonic Sensors, 2012, 2, 357-365.	5.0	8
139	In-plane Response of Masonry Infill Walls: Experimental Study using Digital Image Correlation. Procedia Engineering, 2015, 114, 870-876.	1.2	8
140	Evaluation of the contribution of masonry infill panels on the seismic behaviour of two existing reinforced concrete buildings. KSCE Journal of Civil Engineering, 2016, 20, 1365-1374.	1.9	8
141	Cost-effective analysis of textile-reinforced mortar solutions used to reduce masonry infill walls collapse probability under seismic loads. Structures, 2020, 28, 141-157.	3.6	8
142	Seismic fragility functions for Portuguese RC precast buildings. Bulletin of Earthquake Engineering, 2021, 19, 6573-6590.	4.1	8
143	Risk-Informed Performance-Based Metrics for Evaluating the Structural Safety and Serviceability of Constructed Assets against Natural Disasters. Sustainability, 2021, 13, 5925.	3.2	8
144	Cyclic behavior of a two-span RC beam built with plain reinforcing bars. Periodica Polytechnica: Civil Engineering, 2011, 55, 21.	0.6	8

#	Article	IF	Citations
145	Load Path Effect on the Response of Slender Lightly Reinforced Square RC Columns under Biaxial Bending. Journal of Structural Engineering, 2022, 148, .	3.4	8
146	Simple design of masonry infilled reinforced concrete frames for earthquake resistance. Engineering Structures, 2018, 171, 961-981.	5.3	7
147	Comparative study on the seismic performance assessment of existing buildings with and without retrofit strategies. International Journal of Advanced Structural Engineering, 2018, 10, 439-464.	1.3	7
148	Response and Rehabilitation of Historic Monuments After the Gorkha Earthquake. , 2018, , 65-94.		7
149	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.	5.3	7
150	Risk management in water supply networks: Aveiro case study. Environmental Science and Pollution Research, 2020, 27, 4598-4611.	5.3	7
151	Characterisation of Portuguese RC Precast Industrial Building Stock. Advances in Civil Engineering, 2020, 2020, 1-19.	0.7	7
152	Cantilever flexural strength tests of masonry infill walls strengthened with textile-reinforced mortar. Journal of Building Engineering, 2021, 33, 101611.	3.4	7
153	Non-destructive Method of the Assessment of Stone Masonry by Artificial Neural Networks. Open Construction and Building Technology Journal, 2020, 14, 84-97.	0.7	7
154	Cyclic behaviour of as-built and strengthened existing reinforced concrete columns previously damaged by fire. Engineering Structures, 2022, 266, 114584.	5.3	7
155	BEHAVIOR OF RC BUILDING COLUMNS UNDER CYCLIC LOADING: EXPERIMENTAL STUDY. Journal of Earthquake and Tsunami, 2012, 06, 1250026.	1.3	6
156	Seismic Vulnerability and Parametric Study on a Bare Frame Building in Nepal. Frontiers in Built Environment, 2016, 2, .	2.3	6
157	Load-Path Influence in the Response of RC Buildings Subjected to Biaxial Horizontal Loadings: Numerical Study. International Journal of Civil Engineering, 2018, 16, 739-755.	2.0	6
158	Seismic Analysis of a Portuguese Vernacular Building. Journal of Architectural Engineering, 2018, 24, 05017010.	1.6	6
159	Ductility considerations in seismic design of reinforced concrete frameÂbuildings according to the Eurocode 8. Innovative Infrastructure Solutions, 2019, 4, 1.	2.2	6
160	The role of the openings in the out-of-plane behaviour of masonry infill walls. Engineering Structures, 2021, 244, 112793.	5.3	6
161	Nondestructive Techniques for the Assessment and Preservation of Historic Structures. , 0, , .		6
162	The importance of indirect losses in the seismic risk assessment of industrial buildings â€“ An application to precast RC buildings in Portugal. International Journal of Disaster Risk Reduction, 2022, 74, 102949.	3.9	6

#	Article	IF	Citations
163	Impact of the Textile Mesh on the Efficiency of TRM Strengthening Solutions to Improve the Infill Walls Out-of-Plane Behaviour. Applied Sciences (Switzerland), 2020, 10, 8745.	2.5	5
164	Modelling structural performance and risk for enhanced building resilience and reliability. Innovative Infrastructure Solutions, 2020, 5, 1.	2.2	5
165	Effect of the infill panels in the floor response spectra of an 8-storey RC building. Structures, 2021, 34, 2476-2498.	3.6	5
166	Interactions between Seismic Safety and Energy Efficiency for Masonry Infill Walls: A Shift of the Paradigm. Energies, 2022, 15, 3269.	3.1	5
167	ELEVATED WATER RESERVOIR MONITORING USING OPTICAL FIBER ACCELEROMETER. Instrumentation Science and Technology, 2013, 41, 125-134.	1.8	4
168	Failure analysis of bilge keels and its design improvement. Engineering Failure Analysis, 2013, 27, 232-249.	4.0	4
169	Mechanical characterization of concrete block used on infill masonry panels. International Journal of Structural Integrity, 2018, 9, 281-295.	3.3	4
170	Seismic fragility assessment of revised MRT buildings considering typical construction changes. Frontiers of Structural and Civil Engineering, 2020, 14, 241-266.	2.9	4
171	Seismic Vulnerability and Loss Assessment of Vila Real de Santo AntÃ³nio, Portugal: Application of a Novel Method. International Journal of Architectural Heritage, 2021, 15, 1585-1607.	3.1	4
172	Assessment of the Seismic Behavior of a Precast Reinforced Concrete Industrial Building with the Presence of Horizontal Cladding Panels. Buildings, 2021, 11, 400.	3.1	4
173	Seismic behaviour analysis and retrofitting of a row building. , 2015, , 213-218.		4
174	Data Acquisition in Cultural Heritage Buildings Using Non-destructive Techniques, and Its Gathering with BIMâ€"The Case Study of the Gothic Monastery of Batalha in Portugal. Advances in Science, Technology and Innovation, 2021, , 59-68.	0.4	4
175	Structural health monitoring of the church of Santa Casa da Misericordia of Aveiro using FBG sensors. Proceedings of SPIE, 2007, , .	0.8	3
176	Local Seismic Cultures: The Use of Timber Frame Structures in the South of Portugal. Lecture Notes in Civil Engineering, 2016, , 101-111.	0.4	3
177	Numerical modelling of RC strengthened columns under biaxial loading. Innovative Infrastructure Solutions, 2016, 1, 1.	2.2	3
178	Cost-benefit analysis of retrofitted non-engineered and engineered buildings in Nepal using probabilistic approach. Soil Dynamics and Earthquake Engineering, 2019, 122, 1-15.	3.8	3
179	Influence of Beam-to-Column Connections in the Seismic Performance of Precast Concrete Industrial Facilities. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2022, 32, 507-519.	0.8	3
180	Updating mechanical properties of two-leaf stone masonry walls through experimental data and Bayesian inference. Construction and Building Materials, 2021, 298, 123626.	7.2	3

#	Article	IF	Citations
181	Dynamic monitoring of an elevated water reservoir with a biaxial optical accelerometer. , 2012, , .		3
182	Cyclic behaviour of precast beamâ€toâ€column connections with low seismic detailing. Earthquake Engineering and Structural Dynamics, 2022, 51, 1096-1114.	4.4	3
183	3D Indoor Radio Coverage for 5G Planning: a Framework of Combining BIM with Ray-tracing. , 2020, , .		2
184	Numerical Modeling of RC Columns and a Modified Steel Model Proposal for Elements With Plain Bars. Frontiers in Built Environment, 2020, 6, .	2.3	2
185	Effect of Proportioning of Lateral Stiffness in Orthogonal Directions on Seismic Performance of RC Buildings. Journal of Earthquake Engineering, 2022, 26, 7568-7586.	2.5	2
186	EVALUATION OF SEISMIC VULNERABILITY ASSESSMENT PARAMETERS FOR PORTUGUESE VERNACULAR CONSTRUCTIONS WITH NONLINEAR NUMERICAL ANALYSIS. , 2015, , .		2
187	EXPERIMENTAL ASSESSMENT OF STRENGTHENING STRATEGY TO IMPROVE THE MASONRY INFILLS OUT-OF-PLANE BEHAVIOUR THROUGH TEXTILE REINFORCED MORTAR. , 2019, , .		2
188	Effect of spatio-temporal variability of the seismic signal on the dynamic pressure behind retaining walls. Innovative Infrastructure Solutions, 2022, 7, 1.	2.2	2
189	Editorial: Advances in Seismic Performance and Risk Estimation of Precast Concrete Buildings. Frontiers in Built Environment, 2021, 7, .	2.3	2
190	Post-Earthquake Fire Assessment of Reinforced Concrete Frame Structures. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2023, 33, 596-610.	0.8	2
191	Seismic assessment of existing precast RC industrial buildings in Portugal. Structures, 2022, 41, 777-786.	3.6	2
192	The Effect of a Textile-Reinforced Mortar on the Flexural Response of Energy-Improved Infill Walls. Journal of Composites for Construction, 2022, 26, .	3.2	2
193	Dynamic characterization of a radio communication tower with a FBG based accelerometer. , 2011, , .		1
194	A simplified shear model for reinforced concrete elements subjected to reverse lateral loadings. Open Engineering, 2012, 2, 136-145.	1.6	1
195	Seismic Retrofit of Adobe Constructions. Building Pathology and Rehabilitation, 2018, , 85-111.	0.2	1
196	Employment of optical fibers for RC bond-slip characterization. Procedia Structural Integrity, 2018, 11, 138-144.	0.8	1
197	Influence of seismic loading on axial load variation in reinforced concrete columns. E-GFOS, 2018, , 37-49.	0.3	1
198	Masonry Buildings: Research and Practice. Buildings, 2019, 9, 162.	3.1	1

#	Article	IF	Citations
199	Perspectives and Approaches for the Out-of-Plane Testing of Masonry Infill Walls. Experimental Techniques, 2021, 45, 457-469.	1.5	1
200	Building Information Modelling Conversion for Radiowave Propagation Studies. , 2021, , .		1
201	Mechanical Characterisation of Masonry Walls with Flat-Jack Tests. , 2017, , 53-73.		1
202	The infilled RC structures performance in the 25th April, 2015 Gorkha Nepal earthquake: Observations and dynamic characterization tests. , 2016, , 2517-2524.		1
203	EXPERIMENTAL AND NUMERICAL STUDY OF RC COLUMNS UNDER BIAXIAL LOADING: AS BUILT. , 2014, , .		1
204	EFFICIENCY OF DIFFERENT RETROFITTING TECHNICHS FOR RC COLUMNS UNDER BIAXIAL LOADING: EXPERIMENTAL STUDY. , 2015, , .		1
205	EVALUATION OF DAMAGE IN REINFORCED CONCRETE COLUMNS UNDER BIAXIAL LOADING. , 2014, , .		1
206	Experimental study of the out-of-plane behaviour of masonry infill walls with and without previous in-plane damage. , 2016, , 1201-1208.		1
207	Seismic behavior of an old masonry building in Vila Real de Santo AntÃ³nio, Portugal. , 2016, , 1567-1574.		1
208	Post-earthquake Field Measurement-Based System Identification and Finite Element Modeling of an 18-Story Masonry-Infilled RC Building. Lecture Notes in Civil Engineering, 2018, , 746-757.	0.4	1
209	Self-Compacting Fiber Reinforced Concrete for Precast Industry. International Journal of Structural and Civil Engineering Research, 2018, , 189-193.	0.1	1
210	A Framework for the inclusion of RF transparency parameters into BIM databases. , 2019, , .		1
211	IntegraÃ§Ã£o num Modelo BIM de Dados Construtivos do Mosteiro da Batalha Obtidos com Diversas Tecnologias Geoespaciais. , 2020, , .		1
212	Strategies to Support Facility Management Resourcing Building Information Modelling. , 0, , .		1
213	Seismic Assessment of Earthen Structures. RILEM State-of-the-Art Reports, 2022, , 181-210.	0.7	1
214	Editorial on the Special Issue: Advanced Structural Health Monitoring: From Theory to Applications. Applied Sciences (Switzerland), 2021, 11, 11401.	2.5	1
215	Building survey and characterization techniques at different scales. , 2022, , 1-31.		1
216	Damage index model and hysteretic viscous damping of masonry infill walls subjected to out-of-plane loadings. Journal of Building Engineering, 2022, 50, 104196.	3.4	1

#	Article	IF	Citations
217	Integrated Graphical Environment for Support Nonlinear Dynamic Software for the Analysis of Plane Frames. International Journal of Simulation Modelling, 2007, 6, 102-113.	1.3	0
218	Seismic assessment of low ductile RC structures: buildings from before the modern seismic codes. Engineering Computations, 2016, 33, 1282-1307.	1.4	0
219	Influence of Infill Masonry Walls in the Seismic Response of Buildings: From Field Observations to Laboratory Research. Springer Natural Hazards, 2018, , 451-466.	0.3	0
220	Modelling of Structures under Seismic, Impact, and Shock Vibrations. Shock and Vibration, 2018, 2018, 1-2.	0.6	0
221	Natural Hazards Challenges to Civil Engineering. Advances in Civil Engineering, 2019, 2019, 1-2.	0.7	0
222	Seismic Vulnerability Assessment of a Water Supply Network: City of Aveiro Case Study. Advances in Science, Technology and Innovation, 2020, , 27-31.	0.4	0
223	OUT-OF-PLANE TESTING OF MASONRY INFILL WALLS MADE WITH LIGHTWEIGHT CONCRETE BLOCKS. , 2021, , .		0
224	Geometrical, constructive, and mechanical characterization of the traditional masonry buildings in the historic city center of Leiria, Portugal. , 2021, , 147-174.		0
225	Metabolic.Care: A Novel Solution Based on a Thermography for Detection of Diabetic Foot. Advances in Intelligent Systems and Computing, 2016, , 113-119.	0.6	0
226	The infilled RC structures performance in the 25th April, 2015 Gorkha Nepal earthquake: Observations and dynamic characterizatio tests. , 2016, , 2517-2524.		0
227	Structural survey and diagnosis of historical constructions â€“ the experience of the Construction Institute. Vitruvio, 2016, 1, 49.	0.3	0
228	Dynamic Measurements as Support to the Assessment of the Monastery of Santa Maria Da Vitoria, Batalha. , 2017, , 159-171.		0
229	Structural and Non-Structural Assessment of a RC Water Tank. International Journal of Structural and Civil Engineering Research, 2018, , 204-212.	0.1	0
230	EXPERIMENTAL ASSESSMENT OF STRENGTHENING STRATEGIES AGAINST THE OUT-OF-PLANE COLLAPSE OF MASONRY INFILLS IN EXISTING RC STRUCTURES. , 2019, , .		0
231	A estabilidade estrutural e a vulnerabilidade dos edifÃcios em centros histÃ³ricos face ao risco sÃsmico. Estudos CindÀ¦inicos, 2019, , 67-102.	0.1	0
232	Desempenho sÃsmico de edifÃcios: liÃ§Ãµes de sismos recentes. Estudos CindÀ¦inicos, 2019, , 47-66.	0.1	0
233	Populating the knowledge base of a conversational agent. , 2019, , .		0
234	Geostatistical Analysis of Settlements Induced by Liquefaction â€“ Case Study River Lis Alluviums, Portugal. Springer Series in Geomechanics and Geoengineering, 2020, , 106-113.	0.1	0

#	Article	IF	Citations
235	Seismic Performance Assessment, Retrofitting and Loss Estimation of an Existing Non-Engineered Building in Nepal. , 2020, , 43-70.		0
236	Assessment of Seismic Behavior of an RC Precast Building. Advances in Science, Technology and Innovation, 2021, , 303-308.	0.4	0
237	Seismic Evaluation of Old Masonry Buildings: Performance and Strengthening. , 0, , .		0