

Hugo Rodrigues

List of Publications by Year in descending order

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236
papers

5,400
citations

94381

37
h-index

128225

60
g-index

244
all docs

244
docs citations

244
times ranked

3124
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.5	2
2	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.	1.4	10
3	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.	0.5	3
4	Effect of Proportioning of Lateral Stiffness in Orthogonal Directions on Seismic Performance of RC Buildings. Journal of Earthquake Engineering, 2022, 26, 7568-7586.	1.4	2
5	Effect of spatio-temporal variability of the seismic signal on the dynamic pressure behind retaining walls. Innovative Infrastructure Solutions, 2022, 7, 1.	1.1	2
6	Effect of bidirectional excitation on seismic performance of regular RC frame buildings designed for modern codes. Earthquake Spectra, 2022, 38, 950-980.	1.6	9
7	Seismic Assessment of Earthen Structures. RILEM State-of-the-Art Reports, 2022, , 181-210.	0.3	1
8	Load Path Effect on the Response of Slender Lightly Reinforced Square RC Columns under Biaxial Bending. Journal of Structural Engineering, 2022, 148, .	1.7	8
9	Building survey and characterization techniques at different scales. , 2022, , 1-31.		1
10	Cyclic behaviour of precast beam-to-column connections with low seismic detailing. Earthquake Engineering and Structural Dynamics, 2022, 51, 1096-1114.	2.5	3
11	Building Condition Indicators Analysis for BIM-FM Integration. Archives of Computational Methods in Engineering, 2022, 29, 3919-3942.	6.0	11
12	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.	2.6	11
13	The importance of indirect losses in the seismic risk assessment of industrial buildings – An application to precast RC buildings in Portugal. International Journal of Disaster Risk Reduction, 2022, 74, 102949.	1.8	6
14	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
15	Interactions between Seismic Safety and Energy Efficiency for Masonry Infill Walls: A Shift of the Paradigm. Energies, 2022, 15, 3269.	1.6	5
16	Seismic assessment of existing precast RC industrial buildings in Portugal. Structures, 2022, 41, 777-786.	1.7	2
17	Seismic vulnerability of bhutanese vernacular stone masonry buildings: From damage observation to fragility analysis. Soil Dynamics and Earthquake Engineering, 2022, 160, 107351.	1.9	15
18	The Effect of a Textile-Reinforced Mortar on the Flexural Response of Energy-Improved Infill Walls. Journal of Composites for Construction, 2022, 26, .	1.7	2

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19	Cyclic behaviour of as-built and strengthened existing reinforced concrete columns previously damaged by fire. <i>Engineering Structures</i> , 2022, 266, 114584.	2.6	7
20	Development of a Numerical Tool for the Seismic Vulnerability Assessment of Vernacular Architecture. <i>Journal of Earthquake Engineering</i> , 2021, 25, 2926-2954.	1.4	12
21	Seismic Vulnerability and Loss Assessment of Vila Real de Santo António, Portugal: Application of a Novel Method. <i>International Journal of Architectural Heritage</i> , 2021, 15, 1585-1607.	1.7	4
22	Seismic fragility functions for Portuguese RC precast buildings. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 6573-6590.	2.3	8
23	Cantilever flexural strength tests of masonry infill walls strengthened with textile-reinforced mortar. <i>Journal of Building Engineering</i> , 2021, 33, 101611.	1.6	7
24	Seismic Vulnerability of Urban Vernacular Buildings in Nepal: Case of Newari Construction. <i>Journal of Earthquake Engineering</i> , 2021, 25, 43-64.	1.4	12
25	Perspectives and Approaches for the Out-of-Plane Testing of Masonry Infill Walls. <i>Experimental Techniques</i> , 2021, 45, 457-469.	0.9	1
26	OUT-OF-PLANE TESTING OF MASONRY INFILL WALLS MADE WITH LIGHTWEIGHT CONCRETE BLOCKS. , 2021, , .		0
27	Building Information Modelling Conversion for Radiowave Propagation Studies. , 2021, , .		1
28	Risk-Informed Performance-Based Metrics for Evaluating the Structural Safety and Serviceability of Constructed Assets against Natural Disasters. <i>Sustainability</i> , 2021, 13, 5925.	1.6	8
29	Post-earthquake fire risk assessment of historic urban areas: A scenario-based analysis applied to the Historic City Centre of Leiria, Portugal. <i>International Journal of Disaster Risk Reduction</i> , 2021, 60, 102287.	1.8	11
30	A Review of the Performance of Infilled RC Structures in Recent Earthquakes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5889.	1.3	17
31	Building condition assessment supported by Building Information Modelling. <i>Journal of Building Engineering</i> , 2021, 38, 102186.	1.6	24
32	Numerical modeling of the seismic performance of Romanian timber-framed masonry walls. <i>Engineering Structures</i> , 2021, 239, 112272.	2.6	9
33	Assessment of the Seismic Behavior of a Precast Reinforced Concrete Industrial Building with the Presence of Horizontal Cladding Panels. <i>Buildings</i> , 2021, 11, 400.	1.4	4
34	Updating mechanical properties of two-leaf stone masonry walls through experimental data and Bayesian inference. <i>Construction and Building Materials</i> , 2021, 298, 123626.	3.2	3
35	The role of the openings in the out-of-plane behaviour of masonry infill walls. <i>Engineering Structures</i> , 2021, 244, 112793.	2.6	6
36	Experimental characterization of the out-of-plane behaviour of masonry infill walls made of lightweight concrete blocks. <i>Engineering Structures</i> , 2021, 244, 112755.	2.6	9

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37	Effect of the infill panels in the floor response spectra of an 8-storey RC building. Structures, 2021, 34, 2476-2498.	1.7	5
38	Experimental and numerical assessment of confined infill walls with openings and textile-reinforced mortar. Soil Dynamics and Earthquake Engineering, 2021, 151, 106960.	1.9	16
39	The use of textile-reinforced mortar as a strengthening technique for the infill walls out-of-plane behaviour. Composite Structures, 2021, 255, 113029.	3.1	22
40	Geometrical, constructive, and mechanical characterization of the traditional masonry buildings in the historic city center of Leiria, Portugal. , 2021, , 147-174.		0
41	Soft computing-based models for the prediction of masonry compressive strength. Engineering Structures, 2021, 248, 113276.	2.6	61
42	Assessment of Seismic Behavior of an RC Precast Building. Advances in Science, Technology and Innovation, 2021, , 303-308.	0.2	0
43	Data Acquisition in Cultural Heritage Buildings Using Non-destructive Techniques, and Its Gathering with BIM”The Case Study of the Gothic Monastery of Batalha in Portugal. Advances in Science, Technology and Innovation, 2021, , 59-68.	0.2	4
44	Editorial on the Special Issue: Advanced Structural Health Monitoring: From Theory to Applications. Applied Sciences (Switzerland), 2021, 11, 11401.	1.3	1
45	Editorial: Advances in Seismic Performance and Risk Estimation of Precast Concrete Buildings. Frontiers in Built Environment, 2021, 7, .	1.2	2
46	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.	1.4	34
47	A dynamic multi-criteria decision-making model for the maintenance planning of reinforced concrete structures. Journal of Building Engineering, 2020, 27, 100971.	1.6	11
48	Evaluation of post-earthquake fire capacity of reinforced concrete elements. Soil Dynamics and Earthquake Engineering, 2020, 128, 105900.	1.9	20
49	Risk management in water supply networks: Aveiro case study. Environmental Science and Pollution Research, 2020, 27, 4598-4611.	2.7	7
50	Seismic Vulnerability Assessment of a Water Supply Network: City of Aveiro Case Study. Advances in Science, Technology and Innovation, 2020, , 27-31.	0.2	0
51	Seismic fragility assessment of revised MRT buildings considering typical construction changes. Frontiers of Structural and Civil Engineering, 2020, 14, 241-266.	1.2	4
52	Evaluation of post-earthquake fire capacity of a reinforced concrete one bay plane frame under ISO fire exposure. Structures, 2020, 23, 602-611.	1.7	10
53	Numerical simulation of beam-to-column connections in precast reinforced concrete buildings using fibre-based frame models. Engineering Structures, 2020, 203, 109845.	2.6	22
54	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.	1.8	20

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55	Cost-effective analysis of textile-reinforced mortar solutions used to reduce masonry infill walls collapse probability under seismic loads. Structures, 2020, 28, 141-157.	1.7	8
56	Experimental tests on strengthening strategies for masonry infill walls: A literature review. Construction and Building Materials, 2020, 263, 120520.	3.2	37
57	Characterisation of Portuguese RC Precast Industrial Building Stock. Advances in Civil Engineering, 2020, 2020, 1-19.	0.4	7
58	3D Indoor Radio Coverage for 5G Planning: a Framework of Combining BIM with Ray-tracing. , 2020, , .		2
59	Numerical Modeling of RC Columns and a Modified Steel Model Proposal for Elements With Plain Bars. Frontiers in Built Environment, 2020, 6, .	1.2	2
60	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.	1.3	5
61	A Building Information Modeling Approach to Integrate Geomatic Data for the Documentation and Preservation of Cultural Heritage. Remote Sensing, 2020, 12, 4028.	1.8	28
62	Modelling structural performance and risk for enhanced building resilience and reliability. Innovative Infrastructure Solutions, 2020, 5, 1.	1.1	5
63	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.	2.6	38
64	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.	2.3	24
65	Mechanical properties characterization of different types of masonry infill walls. Frontiers of Structural and Civil Engineering, 2020, 14, 411-434.	1.2	20
66	Seismic Vulnerability Assessment of Existing Reinforced Concrete Buildings in Urban Centers. Sustainability, 2020, 12, 1996.	1.6	16
67	Energy efficiency assessment of a public building resourcing a BIM model. Innovative Infrastructure Solutions, 2020, 5, 1.	1.1	9
68	Non-destructive Method of the Assessment of Stone Masonry by Artificial Neural Networks. Open Construction and Building Technology Journal, 2020, 14, 84-97.	0.3	7
69	Geostatistical Analysis of Settlements Induced by Liquefaction “ Case Study River Lis Alluviums, Portugal. Springer Series in Geomechanics and Geoengineering, 2020, , 106-113.	0.0	0
70	Integração num Modelo BIM de Dados Construtivos do Mosteiro da Batalha Obtidos com Diversas Tecnologias Geoespaciais. , 2020, , .		1
71	Seismic Performance Assessment, Retrofitting and Loss Estimation of an Existing Non-Engineered Building in Nepal. , 2020, , 43-70.		0
72	Masonry Buildings: Research and Practice. Buildings, 2019, 9, 162.	1.4	1

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73	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
74	A vulnerability index formulation for the seismic vulnerability assessment of vernacular architecture. Engineering Structures, 2019, 197, 109381.	2.6	29
75	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
76	BIM-based LCA assessment of seismic strengthening solutions for reinforced concrete precast industrial buildings. Innovative Infrastructure Solutions, 2019, 4, 1.	1.1	25
77	Seismic Retrofit Schemes with FRP for Deficient RC Beam-Column Joints: State-of-the-Art Review. Journal of Composites for Construction, 2019, 23, .	1.7	54
78	Bridging Multi-hazard Vulnerability and Sustainability: Approaches and Applications to Nepali Highway Bridges. , 2019, , 361-378.		9
79	Cost-benefit analysis of retrofitted non-engineered and engineered buildings in Nepal using probabilistic approach. Soil Dynamics and Earthquake Engineering, 2019, 122, 1-15.	1.9	3
80	Study of the Seismic Response on the Infill Masonry Walls of a 15-Storey Reinforced Concrete Structure in Nepal. Buildings, 2019, 9, 39.	1.4	30
81	Natural Hazards Challenges to Civil Engineering. Advances in Civil Engineering, 2019, 2019, 1-2.	0.4	0
82	Masonry Compressive Strength Prediction Using Artificial Neural Networks. Communications in Computer and Information Science, 2019, , 200-224.	0.4	29
83	Stochastic Vulnerability Assessment of Masonry Structures: Concepts, Modeling and Restoration Aspects. Applied Sciences (Switzerland), 2019, 9, 243.	1.3	83
84	Ductility considerations in seismic design of reinforced concrete frame buildings according to the Eurocode 8. Innovative Infrastructure Solutions, 2019, 4, 1.	1.1	6
85	Development of a Web Application for Historical Building Management through BIM Technology. Advances in Civil Engineering, 2019, 2019, 1-15.	0.4	25
86	Seismic performance of RC precast industrial buildings—learning with the past earthquakes. Innovative Infrastructure Solutions, 2019, 4, 1.	1.1	26
87	EXPERIMENTAL ASSESSMENT OF STRENGTHENING STRATEGY TO IMPROVE THE MASONRY INFILLS OUT-OF-PLANE BEHAVIOUR THROUGH TEXTILE REINFORCED MORTAR. , 2019, , .		2
88	EXPERIMENTAL ASSESSMENT OF STRENGTHENING STRATEGIES AGAINST THE OUT-OF-PLANE COLLAPSE OF MASONRY INFILLS IN EXISTING RC STRUCTURES. , 2019, , .		0
89	A estabilidade estrutural e a vulnerabilidade dos edifícios em centros históricos face ao risco sísmico. Estudos CindÁ,ínicos, 2019, , 67-102.	0.1	0
90	Desempenho sísmico de edifícios: lições de sismos recentes. Estudos CindÁ,ínicos, 2019, , 47-66.	0.1	0

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91	Populating the knowledge base of a conversational agent. , 2019, , .		0
92	A Framework for the inclusion of RF transparency parameters into BIM databases. , 2019, , .		1
93	Long-term monitoring of a damaged historic structure using a wireless sensor network. Engineering Structures, 2018, 161, 108-117.	2.6	27
94	Building life cycle applied to refurbishment of a traditional building from Oporto, Portugal. Journal of Building Engineering, 2018, 17, 84-95.	1.6	36
95	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.	3.2	52
96	Numerical modelling of the cyclic behavior of timber-framed structures. Engineering Structures, 2018, 165, 210-221.	2.6	22
97	Simple design of masonry infilled reinforced concrete frames for earthquake resistance. Engineering Structures, 2018, 171, 961-981.	2.6	7
98	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.	2.6	33
99	Stochastic collocation-based nonlinear analysis of concrete bridges with uncertain parameters. Structure and Infrastructure Engineering, 2018, 14, 1324-1338.	2.0	12
100	Assessment of the influence of horizontal diaphragms on the seismic performance of vernacular buildings. Bulletin of Earthquake Engineering, 2018, 16, 3871-3904.	2.3	29
101	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.	1.7	9
102	Seismic behavior of two Portuguese adobe buildings: part II “numerical modeling and fragility assessment. International Journal of Architectural Heritage, 2018, 12, 936-950.	1.7	11
103	Study of a self-compacting fiber-reinforced concrete to be applied in the precast industry. Innovative Infrastructure Solutions, 2018, 3, 1.	1.1	11
104	Seismic Assessment of a School Building in Nepal and Analysis of Retrofitting Solutions. International Journal of Civil Engineering, 2018, 16, 1573-1589.	0.9	14
105	Influence of Infill Masonry Walls in the Seismic Response of Buildings: From Field Observations to Laboratory Research. Springer Natural Hazards, 2018, , 451-466.	0.1	0
106	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.	0.9	6
107	Calibration of a simplified macro-model for infilled frames with openings. Advances in Structural Engineering, 2018, 21, 157-170.	1.2	17
108	Seismic Retrofit of Adobe Constructions. Building Pathology and Rehabilitation, 2018, , 85-111.	0.1	1

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109	Seismic Analysis of a Portuguese Vernacular Building. Journal of Architectural Engineering, 2018, 24, 05017010.	0.8	6
110	Structural Repair and Strengthening of RC Elements with Concrete Jacketing. Building Pathology and Rehabilitation, 2018, , 181-198.	0.1	9
111	Employment of optical fibers for RC bond-slip characterization. Procedia Structural Integrity, 2018, 11, 138-144.	0.3	1
112	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
113	Experimental Study of Rubberized Concrete Stress-Strain Behavior for Improving Constitutive Models. Materials, 2018, 11, 2245.	1.3	35
114	Modelling of Structures under Seismic, Impact, and Shock Vibrations. Shock and Vibration, 2018, 2018, 1-2.	0.3	0
115	Mainshock-aftershock damage assessment of infilled RC structures. Engineering Structures, 2018, 175, 645-660.	2.6	49
116	Prediction of the earthquake response of a three-storey infilled RC structure. Engineering Structures, 2018, 171, 214-235.	2.6	32
117	Out-of-plane behavior of stone masonry walls: Experimental and numerical analysis. Construction and Building Materials, 2018, 179, 430-452.	3.2	35
118	Revisiting Major Historical Earthquakes in Nepal. , 2018, , 1-17.		19
119	Seismic Performance of Buildings in Nepal After the Gorkha Earthquake. , 2018, , 47-63.		28
120	Response and Rehabilitation of Historic Monuments After the Gorkha Earthquake. , 2018, , 65-94.		7
121	Assessment of the efficiency of traditional earthquake resistant techniques for vernacular architecture. Engineering Structures, 2018, 173, 1-27.	2.6	21
122	Optical sensors for bond-slip characterization and monitoring of RC structures. Sensors and Actuators A: Physical, 2018, 280, 332-339.	2.0	23
123	Mechanical characterization of concrete block used on infill masonry panels. International Journal of Structural Integrity, 2018, 9, 281-295.	1.8	4
124	Double-Leaf Infill Masonry Walls Cyclic In-Plane Behaviour: Experimental and Numerical Investigation. Open Construction and Building Technology Journal, 2018, 12, 35-48.	0.3	16
125	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.	0.3	1
126	Self-Compacting Fiber Reinforced Concrete for Precast Industry. International Journal of Structural and Civil Engineering Research, 2018, , 189-193.	0.1	1

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127	Structural and Non-Structural Assessment of a RC Water Tank. International Journal of Structural and Civil Engineering Research, 2018, , 204-212.	0.1	0
128	Evaluation of different strengthening techniquesâ€™ efficiency for a soft storey building. European Journal of Environmental and Civil Engineering, 2017, 21, 371-388.	1.0	30
129	Modal identification of infill masonry walls with different characteristics. Engineering Structures, 2017, 145, 118-134.	2.6	27
130	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.	2.6	26
131	Traditional earthquake resistant techniques for vernacular architecture and local seismic cultures: A literature review. Journal of Cultural Heritage, 2017, 27, 181-196.	1.5	90
132	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
133	Generation of spectrum-compatible acceleration time history for Nepal. Comptes Rendus - Geoscience, 2017, 349, 198-201.	0.4	9
134	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.	2.0	14
135	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.	2.3	61
136	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.	1.6	49
137	Mechanical Characterisation of Masonry Walls with Flat-Jack Tests. , 2017, , 53-73.		1
138	Dynamic Measurements as Support to the Assessment of the Monastery of Santa Maria Da Vitoria, Batalha. , 2017, , 159-171.		0
139	Seismic Vulnerability and Parametric Study on a Bare Frame Building in Nepal. Frontiers in Built Environment, 2016, 2, .	1.2	6
140	Simplified macroâ€”model for infill masonry walls considering the outâ€”ofâ€”plane behaviour. Earthquake Engineering and Structural Dynamics, 2016, 45, 507-524.	2.5	111
141	<i>In situ</i> Out-of-Plane Cyclic Testing of Original and Strengthened Traditional Stone Masonry Walls Using Airbags. Journal of Earthquake Engineering, 2016, 20, 749-772.	1.4	16
142	Seismic behavior of RC building structures designed according to current codes. Structures, 2016, 7, 1-13.	1.7	24
143	Seismic assessment of low ductile RC structures: buildings from before the modern seismic codes. Engineering Computations, 2016, 33, 1282-1307.	0.7	0
144	Local Seismic Cultures: The Use of Timber Frame Structures in the South of Portugal. Lecture Notes in Civil Engineering, 2016, , 101-111.	0.3	3

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145	Seismic safety assessment of existing masonry infill structures in Nepal. Earthquake Engineering and Engineering Vibration, 2016, 15, 251-268.	1.1	17
146	Common structural and construction deficiencies of Nepalese buildings. Innovative Infrastructure Solutions, 2016, 1, 1.	1.1	109
147	Numerical modelling of RC strengthened columns under biaxial loading. Innovative Infrastructure Solutions, 2016, 1, 1.	1.1	3
148	Global overview on advances in structural health monitoring platforms. Journal of Civil Structural Health Monitoring, 2016, 6, 461-475.	2.0	49
149	Geometric characterisation of Portuguese RC buildings with masonry infill walls. European Journal of Environmental and Civil Engineering, 2016, 20, 396-411.	1.0	34
150	Earthquake loss estimation for the Kathmandu Valley. Bulletin of Earthquake Engineering, 2016, 14, 59-88.	2.3	39
151	Groundwater level monitoring using a plastic optical fiber. Sensors and Actuators A: Physical, 2016, 240, 138-144.	2.0	29
152	Experimental evaluation of out-of-plane capacity of masonry infill walls. Engineering Structures, 2016, 111, 48-63.	2.6	148
153	Behavior of Rectangular Reinforced-Concrete Columns under Biaxial Cyclic Loading and Variable Axial Loads. Journal of Structural Engineering, 2016, 142, .	1.7	46
154	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.	0.9	8
155	The infilled RC structures performance in the 25th April, 2015 Gorkha Nepal earthquake: Observations and dynamic characterization tests. , 2016, , 2517-2524.		1
156	Site effects and associated structural damage analysis in Kathmandu Valley, Nepal. Earthquake and Structures, 2016, 10, 1013-1032.	1.0	25
157	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
158	Metabolic.Care: A Novel Solution Based on a Thermography for Detection of Diabetic Foot. Advances in Intelligent Systems and Computing, 2016, , 113-119.	0.5	0
159	The infilled RC structures performance in the 25th April, 2015 Gorkha Nepal earthquake: Observations and dynamic characterizatio tests. , 2016, , 2517-2524.		0
160	Structural survey and diagnosis of historical constructions “ the experience of the Construction Institute. Vitruvio, 2016, 1, 49.	0.2	0
161	Experimental study of the out-of-plane behaviour of masonry infill walls with and without previous in-plane damage. , 2016, , 1201-1208.		1
162	Seismic behavior of an old masonry building in Vila Real de Santo Ant�nio, Portugal. , 2016, , 1567-1574.		1

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163	In-plane Response of Masonry Infill Walls: Experimental Study using Digital Image Correlation. Procedia Engineering, 2015, 114, 870-876.	1.2	8
164	2D and 3D Digital Image Correlation in Civil Engineering – Measurements in a Masonry Wall. Procedia Engineering, 2015, 114, 215-222.	1.2	41
165	Experimental Characterization of the In-plane and Out-of-Plane Behaviour of Infill Masonry Walls. Procedia Engineering, 2015, 114, 862-869.	1.2	12
166	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.	2.3	70
167	Experimental cyclic behaviour of RC columns with plain bars and proposal for Eurocode 8 formula improvement. Engineering Structures, 2015, 88, 22-36.	2.6	35
168	Seismic behavior of strengthened RC columns under biaxial loading: An experimental characterization. Construction and Building Materials, 2015, 95, 393-405.	3.2	26
169	Seismic vulnerability and loss assessment of the Nepalese Pagoda temples. Bulletin of Earthquake Engineering, 2015, 13, 2197-2223.	2.3	15
170	Seismic risk assessment and hazard mapping in Nepal. Natural Hazards, 2015, 78, 583-602.	1.6	74
171	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
172	Seismic Rehabilitation of RC Columns Under Biaxial Loading: An Experimental Characterization. Structures, 2015, 3, 43-56.	1.7	21
173	Influence of the in Plane and Out-of-Plane Masonry Infill Walls™ Interaction in the Structural Response of RC Buildings. Procedia Engineering, 2015, 114, 722-729.	1.2	23
174	Seismic risk assessment for mainland Portugal. Bulletin of Earthquake Engineering, 2015, 13, 429-457.	2.3	116
175	Cyclic behaviour of interior beam–column joints reinforced with plain bars. Earthquake Engineering and Structural Dynamics, 2015, 44, 1351-1371.	2.5	30
176	Experimental study of bond–slip in RC structural elements with plain bars. Materials and Structures/Materiaux Et Constructions, 2015, 48, 2367-2381.	1.3	32
177	Seismic behaviour analysis and retrofitting of a row building. , 2015, , 213-218.		4
178	Assessment of seismic strengthening solutions for existing low-rise RC buildings in Nepal. Earthquake and Structures, 2015, 8, 511-539.	1.0	18
179	Seismic response of current RC buildings in Kathmandu Valley. Structural Engineering and Mechanics, 2015, 53, 791-818.	1.0	29
180	EFFICIENCY OF DIFFERENT RETROFITTING TECHNIQS FOR RC COLUMNS UNDER BIAXIAL LOADING: EXPERIMENTAL STUDY. , 2015, , .		1

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