

Humberto Varum

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

262
papers

5,127
citations

38
h-index

58
g-index

290
ext. papers

6,028
ext. citations

2.8
avg, IF

6.04
L-index

#	Paper	IF	Citations
262	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
261	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
260	Mechanical Behaviour of Earth Building Materials. <i>RILEM State-of-the-Art Reports</i> , 2022 , 127-180	1.3	1
259	Seismic Assessment of Earthen Structures. <i>RILEM State-of-the-Art Reports</i> , 2022 , 181-210	1.3	0
258	Analytical fault tree and diagnostic aids for the preservation of historical steel truss bridges. <i>Engineering Failure Analysis</i> , 2022 , 133, 105996	3.2	6
257	Sã Luiz do Paraitinga: The Image of Sã Paulo State in the 18th Century. <i>Protection of Cultural Heritage</i> , 2022 , 87-105	0	
256	Mechanical properties of adobe masonry for the rehabilitation of buildings. <i>Construction and Building Materials</i> , 2022 , 333, 127330	6.7	0
255	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
254	Self-Compacting Earth-Based Composites: Mixture Design and Multi-Performance Characterisation. <i>Buildings</i> , 2022 , 12, 612	3.2	
253	Seismic assessment of existing precast RC industrial buildings in Portugal. <i>Structures</i> , 2022 , 41, 777-786	3.4	0
252	Using Raw Earth Construction Systems on Contemporary Buildings: Reflections on Sustainability and Thermal Efficiency. <i>Renewable Energy and Environmental Sustainability</i> , 2021 , 6, 46	2.5	0
251	Assessment of Seismic Behavior of an RC Precast Building. <i>Advances in Science, Technology and Innovation</i> , 2021 , 303-308	0.3	
250	Experimental and numerical investigation of the cyclic response of stainless steel reinforced concrete columns. <i>Engineering Structures</i> , 2021 , 252, 113607	4.7	4
249	Soft computing-based models for the prediction of masonry compressive strength. <i>Engineering Structures</i> , 2021 , 248, 113276	4.7	9
248	Effect of slab and transverse beam on the FRP retrofit effectiveness for existing reinforced concrete structures under seismic loading. <i>Engineering Structures</i> , 2021 , 234, 111991	4.7	6
247	A Review of the Performance of Infilled RC Structures in Recent Earthquakes. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5889	2.6	4
246	Perspectives and Approaches for the Out-of-Plane Testing of Masonry Infill Walls. <i>Experimental Techniques</i> , 2021 , 45, 457-469	1.4	

245	Mechanical Characterization of Adobe Bricks. <i>Building Pathology and Rehabilitation</i> , 2021 , 35-54	0.2	1
244	Seismic Strengthening Techniques for Adobe Construction. <i>Building Pathology and Rehabilitation</i> , 2021 , 183-209	0.2	0
243	Adobe Constructions in the World: A First Overview. <i>Building Pathology and Rehabilitation</i> , 2021 , 1-14	0.2	
242	Research Developments and Needs on Seismic Performance and Strengthening of Adobe Masonry Constructions. <i>Building Pathology and Rehabilitation</i> , 2021 , 243-255	0.2	
241	Full-scale cyclic testing of realistic reinforced-concrete beam-column joints. <i>MethodsX</i> , 2021 , 8, 101409	1.9	
240	Quasi-static In-Plane Testing of Adobe Masonry Walls and Structures. <i>Building Pathology and Rehabilitation</i> , 2021 , 95-120	0.2	
239	Validation of nondestructive methods for assessing stone masonry using artificial neural networks. <i>Journal of Building Engineering</i> , 2021 , 42, 102469	5.2	3
238	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
237	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
236	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
235	Mechanical Characterization of Adobe Masonry. <i>Building Pathology and Rehabilitation</i> , 2021 , 55-93	0.2	0
234	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
233	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
232	Seismic Performance Assessment, Retrofitting and Loss Estimation of an Existing Non-Engineered Building in Nepal 2020 , 43-70		
231	Non-destructive Method of the Assessment of Stone Masonry by Artificial Neural Networks. <i>Open Construction and Building Technology Journal</i> , 2020 , 14, 84-97	1.1	4
230	Seismic fragility assessment of revised MRT buildings considering typical construction changes. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 241-266	2.5	2
229	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
228	Trade-off Pareto optimum design of an innovative curved damper truss moment frame considering structural and non-structural objectives. <i>Structures</i> , 2020 , 28, 1338-1353	3.4	8

227	Experimental tests on strengthening strategies for masonry infill walls: A literature review. <i>Construction and Building Materials</i> , 2020 , 263, 120520	6.7	21
226	Characterisation of Portuguese RC Precast Industrial Building Stock. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-19	1.3	5
225	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
224	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
223	Seismic Analysis by Macroelements of Fujian Hakka Tulous, Chinese Circular Earth Constructions Listed in the UNESCO World Heritage List. <i>International Journal of Architectural Heritage</i> , 2020 , 14, 1551-1566	2.1	6
222	Probabilistic Seismic Performance Analysis of RC Bridges. <i>Journal of Earthquake Engineering</i> , 2020 , 24, 1704-1728	1.8	20
221	A dynamic multi-criteria decision-making model for the maintenance planning of reinforced concrete structures. <i>Journal of Building Engineering</i> , 2020 , 27, 100971	5.2	7
220	Seismic Retrofit Schemes with FRP for Deficient RC Beam-Column Joints: State-of-the-Art Review. <i>Journal of Composites for Construction</i> , 2019 , 23, 03119001	3.3	34
219	Cost-benefit analysis of retrofitted non-engineered and engineered buildings in Nepal using probabilistic approach. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 122, 1-15	3.5	2
218	Efficiency analysis of optimal inspection management for reinforced concrete structures under carbonation-induced corrosion risk. <i>Construction and Building Materials</i> , 2019 , 211, 1000-1012	6.7	5
217	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
216	Masonry Compressive Strength Prediction Using Artificial Neural Networks. <i>Communications in Computer and Information Science</i> , 2019 , 200-224	0.3	18
215	Stochastic Vulnerability Assessment of Masonry Structures: Concepts, Modeling and Restoration Aspects. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 243	2.6	66
214	Nonlinear finite element model for traditional adobe masonry. <i>Construction and Building Materials</i> , 2019 , 223, 450-462	6.7	11
213	Influence of Moisture on the Mechanical Properties of Load-Bearing Adobe Masonry Walls. <i>International Journal of Architectural Heritage</i> , 2019 , 13, 841-854	2.1	4
212	Structural Degradation Assessment of RC Buildings: Calibration and Comparison of Semeiotic-Based Methodology for Decision Support System. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04018109	2	14
211	The path towards buildings energy efficiency in South American countries. <i>Sustainable Cities and Society</i> , 2019 , 44, 646-665	10.1	21
210	Correlation Between Sonic and Mechanical Test Results on Stone Masonry Walls. <i>RILEM Bookseries</i> , 2019 , 456-464	0.5	2

209	Seismic performance of RC precast industrial buildingsâ€learning with the past earthquakes. <i>Innovative Infrastructure Solutions</i> , 2019 , 4, 1	2.3	14
208	Analysis of correlation between real degradation data and a carbonation model for concrete structures. <i>Cement and Concrete Composites</i> , 2019 , 95, 247-259	8.6	17
207	Long-term monitoring of a damaged historic structure using a wireless sensor network. <i>Engineering Structures</i> , 2018 , 161, 108-117	4.7	21
206	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
205	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
204	Stochastic collocation-based nonlinear analysis of concrete bridges with uncertain parameters. <i>Structure and Infrastructure Engineering</i> , 2018 , 14, 1324-1338	2.9	6
203	Seismic behavior of two Portuguese adobe buildings: Part I - in-plane cyclic testing of a full-scale adobe wall. <i>International Journal of Architectural Heritage</i> , 2018 , 12, 922-935	2.1	8
202	Seismic behavior of two Portuguese adobe buildings: part II â€numerical modeling and fragility assessment. <i>International Journal of Architectural Heritage</i> , 2018 , 12, 936-950	2.1	8
201	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
200	Influence of Infill Masonry Walls in the Seismic Response of Buildings: From Field Observations to Laboratory Research. <i>Springer Natural Hazards</i> , 2018 , 451-466	0.7	
199	On-site full-scale tests of a timber queen-post truss. <i>International Journal of Architectural Heritage</i> , 2018 , 12, 545-554	2.1	
198	Seismic Retrofit of Adobe Constructions. <i>Building Pathology and Rehabilitation</i> , 2018 , 85-111	0.2	1
197	Seismic Analysis of a Portuguese Vernacular Building. <i>Journal of Architectural Engineering</i> , 2018 , 24, 05017010	1.0	6
196	Experimental Comparison of Novel CFRP Retrofit Schemes for Realistic Full-Scale RC Beamâ€Column Joints. <i>Journal of Composites for Construction</i> , 2018 , 22, 04018027	3.3	21
195	Seismic vulnerability assessment methodology for slender masonry structures. <i>International Journal of Architectural Heritage</i> , 2018 , 12, 1297-1326	2.1	7
194	Optical sensors for bond-slip characterization and monitoring of RC structures. <i>Sensors and Actuators A: Physical</i> , 2018 , 280, 332-339	3.9	14
193	Mechanical characterization of concrete block used on infill masonry panels. <i>International Journal of Structural Integrity</i> , 2018 , 9, 281-295	1	4
192	Non-destructive characterization of ancient clay brick walls by indirect ultrasonic measurements. <i>Journal of Building Engineering</i> , 2018 , 19, 172-180	5.2	21

191	Dynamic characterization of a heritage construction from 19th century. <i>Revista IBRACON De Estruturas E Materiais</i> , 2018 , 11, 52-75	0.5	2
190	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
189	RECYCLING TEXTILE RESIDUES INTO CEMENT COMPOSITES. <i>Environmental Engineering and Management Journal</i> , 2018 , 17, 1863-1868	0.6	2
188	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
187	Energy retrofit solutions for heritage buildings located in hot-humid climates. <i>Procedia Structural Integrity</i> , 2018 , 11, 52-59	1	7
186	Carbonated structures in Paraguay: Durability strategies for maintenance planning. <i>Procedia Structural Integrity</i> , 2018 , 11, 60-67	1	2
185	Employment of optical fibers for RC bond-slip characterization. <i>Procedia Structural Integrity</i> , 2018 , 11, 138-144	1	0
184	Comparative study on the seismic performance assessment of existing buildings with and without retrofit strategies. <i>International Journal of Advanced Structural Engineering</i> , 2018 , 10, 439-464	2	5
183	Heterogeneity detection of Portugueseâ€”Brazilian masonries through ultrasonic velocities measurements. <i>Journal of Civil Structural Health Monitoring</i> , 2018 , 8, 847-856	2.9	6
182	Mainshock-aftershock damage assessment of infilled RC structures. <i>Engineering Structures</i> , 2018 , 175, 645-660	4.7	28
181	Prediction of the earthquake response of a three-storey infilled RC structure. <i>Engineering Structures</i> , 2018 , 171, 214-235	4.7	24
180	Seismic Performance of Buildings in Nepal After the Gorkha Earthquake 2018 , 47-63		14
179	CINPAR2016â€”strengthening and repair of structures. <i>International Journal of Structural Integrity</i> , 2018 , 9, 278-280	1	1
178	Evaluation of different strengthening techniquesâ€”efficiency for a soft storey building. <i>European Journal of Environmental and Civil Engineering</i> , 2017 , 21, 371-388	1.5	23
177	Soil mineralogical composition effects on the durability of adobe blocks from the Huambo region, Angola. <i>Bulletin of Engineering Geology and the Environment</i> , 2017 , 76, 125-132	4	8
176	Seismic performance of adobe construction. <i>Sustainable and Resilient Infrastructure</i> , 2017 , 2, 8-21	3.3	8
175	Hazard Disaggregation and Record Selection for Fragility Analysis and Earthquake Loss Estimation. <i>Earthquake Spectra</i> , 2017 , 33, 529-549	3.4	7
174	Modal identification of infill masonry walls with different characteristics. <i>Engineering Structures</i> , 2017 , 145, 118-134	4.7	20

173	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
172	Advances on the use of non-destructive techniques for mechanical characterization of stone masonry: GPR and sonic tests. <i>Procedia Structural Integrity</i> , 2017 , 5, 1108-1115	1	9
171	Generation of spectrum-compatible acceleration time history for Nepal. <i>Comptes Rendus - Geoscience</i> , 2017 , 349, 198-201	1.4	7
170	Structural health monitoring of the retrofitting process, characterization and reliability analysis of a masonry heritage construction. <i>Journal of Civil Structural Health Monitoring</i> , 2017 , 7, 405-428	2.9	11
169	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
168	AMBIENT VIBRATIONAL CHARACTERIZATION OF THE NOSSA SENHORA DAS DORES CHURCH. <i>Engineering Structures and Technologies</i> , 2017 , 9, 170-182	0.2	5
167	Empirical Formulation for Estimating the Fundamental Frequency of Slender Masonry Structures. <i>International Journal of Architectural Heritage</i> , 2016 , 10, 55-66	2.1	32
166	Seismic performance evaluation of non-engineered RC irregular structures. <i>International Journal of Earthquake and Impact Engineering</i> , 2016 , 1, 289	0.5	
165	Seismic safety assessment of existing masonry infill structures in Nepal. <i>Earthquake Engineering and Engineering Vibration</i> , 2016 , 15, 251-268	2	11
164	Numerical modelling of RC strengthened columns under biaxial loading. <i>Innovative Infrastructure Solutions</i> , 2016 , 1, 1	2.3	3
163	Global overview on advances in structural health monitoring platforms. <i>Journal of Civil Structural Health Monitoring</i> , 2016 , 6, 461-475	2.9	38
162	Earthquake loss estimation for the Kathmandu Valley. <i>Bulletin of Earthquake Engineering</i> , 2016 , 14, 59-88.7	3.7	29
161	A case study of the use of GPR for rehabilitation of a classified Art Deco building: The InovaDomus house. <i>Journal of Applied Geophysics</i> , 2016 , 127, 1-13	1.7	20
160	Seismic fragility analysis of typical pre-1990 bridges due to near- and far-field ground motions. <i>International Journal of Advanced Structural Engineering</i> , 2016 , 8, 1-9	2	22
159	Groundwater level monitoring using a plastic optical fiber. <i>Sensors and Actuators A: Physical</i> , 2016 , 240, 138-144	3.9	23
158	Survey of the Facade Walls of Existing Adobe Buildings. <i>International Journal of Architectural Heritage</i> , 2016 , 10, 867-886	2.1	5
157	Experimental evaluation of out-of-plane capacity of masonry infill walls. <i>Engineering Structures</i> , 2016 , 111, 48-63	4.7	112
156	Development of fragility curves for RC bridges subjected to reverse and strike-slip seismic sources. <i>Earthquake and Structures</i> , 2016 , 11, 517-538		20

155	Structural reliability assessment based on optical monitoring system: case study. <i>Revista IBRACON De Estruturas E Materiais</i> , 2016 , 9, 297-305	0.5	3
154	The infilled RC structures performance in the 25th April, 2015 Gorkha Nepal earthquake: Observations and dynamic characterizatio tests 2016 , 2517-2524		
153	Structural survey and diagnosis of historical constructions â€”the experience of the Construction Institute. <i>Vitruvio</i> , 2016 , 1, 49	0.3	
152	Seismic Vulnerability and Parametric Study on a Bare Frame Building in Nepal. <i>Frontiers in Built Environment</i> , 2016 , 2,	2.2	5
151	Urban fire risk: Evaluation and emergency planning. <i>Journal of Cultural Heritage</i> , 2016 , 20, 739-745	2.9	37
150	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
149	In situ Out-of-Plane Cyclic Testing of Original and Strengthened Traditional Stone Masonry Walls Using Airbags. <i>Journal of Earthquake Engineering</i> , 2016 , 20, 749-772	1.8	13
148	Seismic behavior of RC building structures designed according to current codes. <i>Structures</i> , 2016 , 7, 1-13,4	3.4	19
147	Seismic assessment of low ductile RC structures: buildings from before the modern seismic codes. <i>Engineering Computations</i> , 2016 , 33, 1282-1307	1.4	
146	Load-carrying capacity test of a long-span timber truss. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2016 , 169, 373-387	0.9	3
145	A contribution for the improvement in thermal insulation of tabique walls coated with metal corrugated sheets. <i>Building Services Engineering Research and Technology</i> , 2015 , 36, 439-454	2.3	4
144	Seismic vulnerability and loss assessment of the Nepalese Pagoda temples. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 2197-2223	3.7	10
143	Development and application of a real-time loss estimation framework for Portugal. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 2493-2516	3.7	12
142	Seismic risk assessment and hazard mapping in Nepal. <i>Natural Hazards</i> , 2015 , 78, 583-602	3	53
141	Seismic vulnerability of building aggregates through hybrid and indirect assessment techniques. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 2995-3014	3.7	62
140	Behaviour Characterization and Rehabilitation of Adobe Construction. <i>Procedia Engineering</i> , 2015 , 114, 714-721		25
139	Influence of the in Plane and Out-of-Plane Masonry Infill Wallsâ€”Interaction in the Structural Response of RC Buildings. <i>Procedia Engineering</i> , 2015 , 114, 722-729		18
138	Seismic risk assessment for mainland Portugal. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 429-457	3.7	85

137	Retrofitting of interior RC beam-column joints using CFRP strengthened SHCC: Cast-in-place solution. <i>Composite Structures</i> , 2015 , 122, 456-467	5-3	37
136	Cyclic behaviour of interior beam-column joints reinforced with plain bars. <i>Earthquake Engineering and Structural Dynamics</i> , 2015 , 44, 1351-1371	4	23
135	A simplified four-branch model for the analytical study of the out-of-plane performance of regular stone URM walls. <i>Engineering Structures</i> , 2015 , 83, 140-153	4-7	23
134	Assessment of the efficiency of prefabricated hybrid composite plates (HCPs) for retrofitting of damaged interior RC beam-column joints. <i>Composite Structures</i> , 2015 , 119, 24-37	5-3	21
133	Experimental study of bond-slip in RC structural elements with plain bars. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 2367-2381	3-4	21
132	In-plane Response of Masonry Infill Walls: Experimental Study using Digital Image Correlation. <i>Procedia Engineering</i> , 2015 , 114, 870-876		5
131	Mechanical Properties and Behavior of Traditional Adobe Wall Panels of the Aveiro District. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04014253	3	23
130	Liquid level gauge based in plastic optical fiber. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015 , 66, 238-243	4-6	35
129	Hydrostatic pressure sensor based on micro-cavities developed by the catastrophic fuse effect 2015 ,		1
128	Experimental Investigation on the Seismic FRP Retrofit of Realistic Full-Scale RC Beam-Column Joints 2015 ,		5
127	Liquid Hydrostatic Pressure Optical Sensor Based on Micro-Cavity Produced by the Catastrophic Fuse Effect. <i>IEEE Sensors Journal</i> , 2015 , 15, 5654-5658	4	19
126	Experimental Characterization of the In-plane and Out-of-Plane Behaviour of Infill Masonry Walls. <i>Procedia Engineering</i> , 2015 , 114, 862-869		10
125	Investigation of the characteristics of Portuguese regular moment-frame RC buildings and development of a vulnerability model. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 1455-1490	3-7	51
124	In Situ Flat-Jack Testing of Traditional Masonry Walls: Case Study of the Old City Center of Coimbra, Portugal. <i>International Journal of Architectural Heritage</i> , 2015 , 9, 794-810	2-1	16
123	Experimental cyclic behaviour of RC columns with plain bars and proposal for Eurocode 8 formula improvement. <i>Engineering Structures</i> , 2015 , 88, 22-36	4-7	22
122	Seismic behaviour of vernacular architecture 2015 , 151-156		3
121	Seismic behaviour assessment of vernacular isolated buildings 2015 , 203-212		3
120	Seismic behaviour analysis and retrofitting of a row building 2015 , 213-218		2

119	Assessment of seismic strengthening solutions for existing low-rise RC buildings in Nepal. <i>Earthquake and Structures</i> , 2015 , 8, 511-539		15
118	Seismic response of current RC buildings in Kathmandu Valley. <i>Structural Engineering and Mechanics</i> , 2015 , 53, 791-818		20
117	EVALUATION OF SEISMIC VULNERABILITY ASSESSMENT PARAMETERS FOR PORTUGUESE VERNACULAR CONSTRUCTIONS WITH NONLINEAR NUMERICAL ANALYSIS 2015 ,		2
116	Characterization of Adobes in the Central Plateau of Angola 2015 , 311-315		1
115	Seismic Vulnerability Assessment of Slender Masonry Structures. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2015 , 313-330	0.5	3
114	Seismic behaviour analysis and retrofitting of a row building 2015 , 213-218		2
113	Evaluation of analytical methodologies used to derive vulnerability functions. <i>Earthquake Engineering and Structural Dynamics</i> , 2014 , 43, 181-204	4	58
112	Seismic vulnerability assessment of historical masonry structural systems. <i>Engineering Structures</i> , 2014 , 62-63, 118-134	4.7	134
111	Structural Behaviour and Retrofitting of Adobe Masonry Buildings. <i>Building Pathology and Rehabilitation</i> , 2014 , 37-75	0.2	19
110	Tuned liquid dampers simulation for earthquake response control of buildings. <i>Bulletin of Earthquake Engineering</i> , 2014 , 12, 1007-1024	3.7	17
109	Development of a Fragility Model for Moment-Frame RC Buildings in Portugal 2014 ,		5
108	Comparative study of the life cycle assessment of particleboards made of residues from sugarcane bagasse (<i>Saccharum</i> spp.) and pine wood shavings (<i>Pinus elliottii</i>). <i>Journal of Cleaner Production</i> , 2014 , 64, 345-355	10.3	51
107	Improvement of historic reinforced concrete/mortars by impregnation and electrochemical methods. <i>Cement and Concrete Composites</i> , 2014 , 49, 50-58	8.6	30
106	Experimental characterization of physical and mechanical properties of schist from Portugal. <i>Construction and Building Materials</i> , 2014 , 50, 617-630	6.7	9
105	Nonlinear Dynamic Analysis of a Full-Scale Unreinforced Adobe Model. <i>Earthquake Spectra</i> , 2014 , 30, 1643-1661	3.4	19
104	Investigation of the Characteristics of the Portuguese Moment-Frame RC Building Stock 2014 ,		3
103	Dynamic structural health monitoring of a civil engineering structure with a POF accelerometer. <i>Sensor Review</i> , 2014 , 34, 36-41	1.4	11
102	Design Procedures of Reinforced Concrete Framed Buildings in Nepal and its Impact on Seismic Safety. <i>Advances in Structural Engineering</i> , 2014 , 17, 1419-1442	1.9	6

101	Response reduction factor of irregular RC buildings in Kathmandu valley. <i>Earthquake Engineering and Engineering Vibration</i> , 2014 , 13, 455-470	2	17
100	Seismic sensitivity analysis of the common structural components of Nepalese Pagoda temples. <i>Bulletin of Earthquake Engineering</i> , 2014 , 12, 1679-1703	3.7	24
99	Seismic vulnerability assessment of masonry facade walls: development, application and validation of a new scoring method. <i>Structural Engineering and Mechanics</i> , 2014 , 50, 541-561		36
98	The Use of GPR in the Rehabilitation of Built Heritage 2014 ,		3
97	Seismic Vulnerability and Risk Assessment of Historic Masonry Buildings. <i>Building Pathology and Rehabilitation</i> , 2014 , 307-348	0.2	14
96	Save the Tabique Construction. <i>Building Pathology and Rehabilitation</i> , 2014 , 157-185	0.2	4
95	Construction Systems. <i>Building Pathology and Rehabilitation</i> , 2014 , 1-35	0.2	2
94	Experimental evaluation of rectangular reinforced concrete column behaviour under biaxial cyclic loading. <i>Earthquake Engineering and Structural Dynamics</i> , 2013 , 42, 239-259	4	71
93	Fire resistance of walls made of soil-cement and Kraftterra compressed earth blocks. <i>Fire and Materials</i> , 2013 , 37, 547-562	1.8	3
92	Performance evaluation of retrofitting strategies for non-seismically designed RC buildings using steel braces. <i>Bulletin of Earthquake Engineering</i> , 2013 , 11, 1129-1156	3.7	24
91	Seismic retrofitting solution of an adobe masonry wall. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013 , 46, 203-219	3.4	64
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