

# Humberto Varum

## List of Publications by Citations

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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	Seismic vulnerability and risk assessment: case study of the historic city centre of Coimbra, Portugal. <i>Bulletin of Earthquake Engineering</i> , <b>2011</b> , 9, 1067-1096	3.7	150
261	Textile waste as an alternative thermal insulation building material solution. <i>Construction and Building Materials</i> , <b>2013</b> , 38, 155-160	6.7	148
260	Seismic vulnerability assessment of historical masonry structural systems. <i>Engineering Structures</i> , <b>2014</b> , 62-63, 118-134	4.7	134
259	Mechanical properties of adobe bricks in ancient constructions. <i>Construction and Building Materials</i> , <b>2012</b> , 28, 36-44	6.7	115
258	Experimental evaluation of out-of-plane capacity of masonry infill walls. <i>Engineering Structures</i> , <b>2016</b> , 111, 48-63	4.7	112
257	Optical Fiber Accelerometer System for Structural Dynamic Monitoring. <i>IEEE Sensors Journal</i> , <b>2009</b> , 9, 1347-1354	4	95
256	Corn's cob as a potential ecological thermal insulation material. <i>Energy and Buildings</i> , <b>2011</b> , 43, 1985-1990	6.8	92
255	Field observations and interpretation of the structural performance of constructions after the 11 May 2011 Lorca earthquake. <i>Engineering Failure Analysis</i> , <b>2013</b> , 34, 670-692	3.2	90
254	Seismic vulnerability assessment of historical urban centres: case study of the old city centre in Seixal, Portugal. <i>Bulletin of Earthquake Engineering</i> , <b>2013</b> , 11, 1753-1773	3.7	89
253	Optical fiber relative humidity sensor based on a FBG with a di-ureasil coating. <i>Sensors</i> , <b>2012</b> , 12, 8847-60	6.8	89
252	Simplified Macro-Model for Infill Masonry Panels. <i>Journal of Earthquake Engineering</i> , <b>2010</b> , 14, 390-416	1.8	88
251	Characterization of corn cob as a possible raw building material. <i>Construction and Building Materials</i> , <b>2012</b> , 34, 28-33	6.7	86
250	Seismic risk assessment for mainland Portugal. <i>Bulletin of Earthquake Engineering</i> , <b>2015</b> , 13, 429-457	3.7	85
249	Simplified macro-model for infill masonry walls considering the out-of-plane behaviour. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2016</b> , 45, 507-524	4	79
248	A contribution to the thermal insulation performance characterization of corn cob particleboards. <i>Energy and Buildings</i> , <b>2012</b> , 45, 274-279	7	72
247	Experimental evaluation of rectangular reinforced concrete column behaviour under biaxial cyclic loading. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2013</b> , 42, 239-259	4	71
246	Analysis of the mechanical properties of compressed earth block masonry using the sugarcane bagasse ash. <i>Construction and Building Materials</i> , <b>2012</b> , 35, 829-837	6.7	69

245	Stochastic Vulnerability Assessment of Masonry Structures: Concepts, Modeling and Restoration Aspects. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 243	2.6	66
244	Seismic retrofitting solution of an adobe masonry wall. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2013</b> , 46, 203-219	3.4	64
243	Performance of masonry enclosure walls: lessons learned from recent earthquakes. <i>Earthquake Engineering and Engineering Vibration</i> , <b>2012</b> , 11, 23-34	2	63
242	Seismic vulnerability of building aggregates through hybrid and indirect assessment techniques. <i>Bulletin of Earthquake Engineering</i> , <b>2015</b> , 13, 2995-3014	3.7	62
241	Influence of the testing procedures in the mechanical characterization of adobe bricks. <i>Construction and Building Materials</i> , <b>2013</b> , 40, 719-728	6.7	62
240	A comparative analysis of energy dissipation and equivalent viscous damping of RC columns subjected to uniaxial and biaxial loading. <i>Engineering Structures</i> , <b>2012</b> , 35, 149-164	4.7	60
239	Biaxial Optical Accelerometer and High-Angle Inclinometer With Temperature and Cross-Axis Insensitivity. <i>IEEE Sensors Journal</i> , <b>2012</b> , 12, 2399-2406	4	60
238	Evaluation of analytical methodologies used to derive vulnerability functions. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2014</b> , 43, 181-204	4	58
237	Optical fiber sensors for static and dynamic health monitoring of civil engineering infrastructures: Abode wall case study. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2012</b> , 45, 1695-1705	4.6	55
236	Uniaxial fiber Bragg grating accelerometer system with temperature and cross axis insensitivity. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2011</b> , 44, 55-59	4.6	55
235	Corn cob lightweight concrete for non-structural applications. <i>Construction and Building Materials</i> , <b>2012</b> , 34, 346-351	6.7	54
234	Seismic risk assessment and hazard mapping in Nepal. <i>Natural Hazards</i> , <b>2015</b> , 78, 583-602	3	53
233	Seismic vulnerability assessment and characterisation of the buildings on Faial Island, Azores. <i>Bulletin of Earthquake Engineering</i> , <b>2012</b> , 10, 27-44	3.7	53
232	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> , <b>2014</b> , 64, 345-355	10.3	51
231	Investigation of the characteristics of Portuguese regular moment-frame RC buildings and development of a vulnerability model. <i>Bulletin of Earthquake Engineering</i> , <b>2015</b> , 13, 1455-1490	3.7	51
230	. <i>IEEE Sensors Journal</i> , <b>2008</b> , 8, 1236-1242	4	51
229	A mechanical model for the seismic vulnerability assessment of old masonry buildings. <i>Earthquake and Structures</i> , <b>2011</b> , 2, 25-42		51
228	Impact sound insulation technique using corn cob particleboard. <i>Construction and Building Materials</i> , <b>2012</b> , 37, 153-159	6.7	50

227	Seismic performance of the infill masonry walls and ambient vibration tests after the Ghorka 2015, Nepal earthquake. <i>Bulletin of Earthquake Engineering</i> , <b>2017</b> , 15, 1185-1212	3.7	48
226	Numerical modelling of the cyclic behaviour of RC elements built with plain reinforcing bars. <i>Engineering Structures</i> , <b>2011</b> , 33, 273-286	4.7	44
225	Comparative efficiency analysis of different nonlinear modelling strategies to simulate the biaxial response of RC columns. <i>Earthquake Engineering and Engineering Vibration</i> , <b>2012</b> , 11, 553-566	2	39
224	Global overview on advances in structural health monitoring platforms. <i>Journal of Civil Structural Health Monitoring</i> , <b>2016</b> , 6, 461-475	2.9	38
223	Seismic response of current RC buildings in Nepal: A comparative analysis of different design/construction. <i>Engineering Structures</i> , <b>2013</b> , 49, 284-294	4.7	38
222	Retrofitting of interior RC beam-column joints using CFRP strengthened SHCC: Cast-in-place solution. <i>Composite Structures</i> , <b>2015</b> , 122, 456-467	5.3	37
221	Urban fire risk: Evaluation and emergency planning. <i>Journal of Cultural Heritage</i> , <b>2016</b> , 20, 739-745	2.9	37
220	Seismic vulnerability assessment of masonry facade walls: development, application and validation of a new scoring method. <i>Structural Engineering and Mechanics</i> , <b>2014</b> , 50, 541-561		36
219	Liquid level gauge based in plastic optical fiber. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2015</b> , 66, 238-243	4.6	35
218	Seismic Retrofit Schemes with FRP for Deficient RC Beam-Column Joints: State-of-the-Art Review. <i>Journal of Composites for Construction</i> , <b>2019</b> , 23, 03119001	3.3	34
217	Out-of-plane behavior of masonry infilled RC frames based on the experimental tests available: A systematic review. <i>Construction and Building Materials</i> , <b>2018</b> , 168, 831-848	6.7	34
216	Empirical Formulation for Estimating the Fundamental Frequency of Slender Masonry Structures. <i>International Journal of Architectural Heritage</i> , <b>2016</b> , 10, 55-66	2.1	32
215	Improvement of historic reinforced concrete/mortars by impregnation and electrochemical methods. <i>Cement and Concrete Composites</i> , <b>2014</b> , 49, 50-58	8.6	30
214	Damage evolution in reinforced concrete columns subjected to biaxial loading. <i>Bulletin of Earthquake Engineering</i> , <b>2013</b> , 11, 1517-1540	3.7	30
213	A Theory of Vulnerability of Water Pipe Network (TVWPN). <i>Water Resources Management</i> , <b>2010</b> , 24, 4237-4254	3.7	30
212	Earthquake loss estimation for the Kathmandu Valley. <i>Bulletin of Earthquake Engineering</i> , <b>2016</b> , 14, 59-88	3.7	29
211	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> , <b>2020</b> , 207, 110203	4.7	28
210	Evaluation of Strengthening Techniques of Traditional Masonry Buildings: Case Study of a Four-Building Aggregate. <i>Journal of Performance of Constructed Facilities</i> , <b>2011</b> , 25, 202-216	2	28

209	Mainshock-aftershock damage assessment of infilled RC structures. <i>Engineering Structures</i> , <b>2018</b> , 175, 645-660	4.7	28
208	Monitoring of the concrete curing process using plastic optical fibers. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2012</b> , 45, 556-560	4.6	26
207	Intensity-Encoded Polymer Optical Fiber Accelerometer. <i>IEEE Sensors Journal</i> , <b>2013</b> , 13, 1716-1720	4	26
206	Extending displacement-based earthquake loss assessment (DBELA) for the computation of fragility curves. <i>Engineering Structures</i> , <b>2013</b> , 56, 343-356	4.7	26
205	Displacement-Based Fragility Curves for Seismic Assessment of Adobe Buildings in Cusco, Peru. <i>Earthquake Spectra</i> , <b>2012</b> , 28, 759-794	3.4	26
204	Weldable fibre Bragg grating sensors for steel bridge monitoring. <i>Measurement Science and Technology</i> , <b>2008</b> , 19, 125305	2	26
203	Behaviour Characterization and Rehabilitation of Adobe Construction. <i>Procedia Engineering</i> , <b>2015</b> , 114, 714-721		25
202	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> , <b>2018</b> , 155, 371-386	4.7	25
201	Investigaciones realizadas en la Universidad de Aveiro sobre caracterizaci3n mec3nica de las construcciones existentes en adobe en Portugal y propuestas de rehabilitaci3n y refuerzo. Resultados alcanzados. <i>Informes De La Construccion</i> , <b>2011</b> , 63, 127-142	0.4	25
200	Performance evaluation of retrofitting strategies for non-seismically designed RC buildings using steel braces. <i>Bulletin of Earthquake Engineering</i> , <b>2013</b> , 11, 1129-1156	3.7	24
199	Seismic sensitivity analysis of the common structural components of Nepalese Pagoda temples. <i>Bulletin of Earthquake Engineering</i> , <b>2014</b> , 12, 1679-1703	3.7	24
198	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> , <b>2020</b> , 24, 653-681	1.8	24
197	Prediction of the earthquake response of a three-storey infilled RC structure. <i>Engineering Structures</i> , <b>2018</b> , 171, 214-235	4.7	24
196	Evaluation of different strengthening techniques' efficiency for a soft storey building. <i>European Journal of Environmental and Civil Engineering</i> , <b>2017</b> , 21, 371-388	1.5	23
195	Cyclic behaviour of interior beam-column joints reinforced with plain bars. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2015</b> , 44, 1351-1371	4	23
194	A simplified four-branch model for the analytical study of the out-of-plane performance of regular stone URM walls. <i>Engineering Structures</i> , <b>2015</b> , 83, 140-153	4.7	23
193	Groundwater level monitoring using a plastic optical fiber. <i>Sensors and Actuators A: Physical</i> , <b>2016</b> , 240, 138-144	3.9	23
192	Mechanical Properties and Behavior of Traditional Adobe Wall Panels of the Aveiro District. <i>Journal of Materials in Civil Engineering</i> , <b>2015</b> , 27, 04014253	3	23

191	Seismic fragility analysis of typical pre-1990 bridges due to near- and far-field ground motions. <i>International Journal of Advanced Structural Engineering</i> , <b>2016</b> , 8, 1-9	2	22
190	Experimental cyclic behaviour of RC columns with plain bars and proposal for Eurocode 8 formula improvement. <i>Engineering Structures</i> , <b>2015</b> , 88, 22-36	4.7	22
189	A non-linear masonry infill macro-model to represent the global behaviour of buildings under cyclic loading. <i>International Journal of Mechanics and Materials in Design</i> , <b>2008</b> , 4, 123-135	2.5	22
188	Assessment of the efficiency of prefabricated hybrid composite plates (HCPs) for retrofitting of damaged interior RC beam-column joints. <i>Composite Structures</i> , <b>2015</b> , 119, 24-37	5.3	21
187	Experimental study of bond-slip in RC structural elements with plain bars. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2015</b> , 48, 2367-2381	3.4	21
186	Long-term monitoring of a damaged historic structure using a wireless sensor network. <i>Engineering Structures</i> , <b>2018</b> , 161, 108-117	4.7	21
185	Experimental Comparison of Novel CFRP Retrofit Schemes for Realistic Full-Scale RC Beam-column Joints. <i>Journal of Composites for Construction</i> , <b>2018</b> , 22, 04018027	3.3	21
184	Non-destructive characterization of ancient clay brick walls by indirect ultrasonic measurements. <i>Journal of Building Engineering</i> , <b>2018</b> , 19, 172-180	5.2	21
183	Experimental tests on strengthening strategies for masonry infill walls: A literature review. <i>Construction and Building Materials</i> , <b>2020</b> , 263, 120520	6.7	21
182	The path towards buildings energy efficiency in South American countries. <i>Sustainable Cities and Society</i> , <b>2019</b> , 44, 646-665	10.1	21
181	Modal identification of infill masonry walls with different characteristics. <i>Engineering Structures</i> , <b>2017</b> , 145, 118-134	4.7	20
180	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> , <b>2016</b> , 127, 1-13	1.7	20
179	Importance of the bond-slip mechanism in the numerical simulation of the cyclic response of RC elements with plain reinforcing bars. <i>Engineering Structures</i> , <b>2013</b> , 56, 396-406	4.7	20
178	Development of fragility curves for RC bridges subjected to reverse and strike-slip seismic sources. <i>Earthquake and Structures</i> , <b>2016</b> , 11, 517-538		20
177	Seismic response of current RC buildings in Kathmandu Valley. <i>Structural Engineering and Mechanics</i> , <b>2015</b> , 53, 791-818		20
176	Probabilistic Seismic Performance Analysis of RC Bridges. <i>Journal of Earthquake Engineering</i> , <b>2020</b> , 24, 1704-1728	1.8	20
175	Structural Behaviour and Retrofitting of Adobe Masonry Buildings. <i>Building Pathology and Rehabilitation</i> , <b>2014</b> , 37-75	0.2	19
174	Dynamic monitoring and numerical modelling of communication towers with FBG based accelerometers. <i>Journal of Constructional Steel Research</i> , <b>2012</b> , 74, 58-62	3.8	19

173	Liquid Hydrostatic Pressure Optical Sensor Based on Micro-Cavity Produced by the Catastrophic Fuse Effect. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 5654-5658	4	19
172	Nonlinear Dynamic Analysis of a Full-Scale Unreinforced Adobe Model. <i>Earthquake Spectra</i> , <b>2014</b> , 30, 1643-1661	3-4	19
171	Seismic behavior of RC building structures designed according to current codes. <i>Structures</i> , <b>2016</b> , 7, 1-133.4		19
170	Masonry Compressive Strength Prediction Using Artificial Neural Networks. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 200-224	0-3	18
169	Influence of the in Plane and Out-of-Plane Masonry Infill Walls Interaction in the Structural Response of RC Buildings. <i>Procedia Engineering</i> , <b>2015</b> , 114, 722-729		18
168	Cyclic behaviour of a lightweight mortar with cork granulate composite. <i>Composite Structures</i> , <b>2013</b> , 95, 748-755	5-3	18
167	Tuned liquid dampers simulation for earthquake response control of buildings. <i>Bulletin of Earthquake Engineering</i> , <b>2014</b> , 12, 1007-1024	3-7	17
166	Response reduction factor of irregular RC buildings in Kathmandu valley. <i>Earthquake Engineering and Engineering Vibration</i> , <b>2014</b> , 13, 455-470	2	17
165	Analysis of correlation between real degradation data and a carbonation model for concrete structures. <i>Cement and Concrete Composites</i> , <b>2019</b> , 95, 247-259	8.6	17
164	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> , <b>2015</b> , 9, 794-810	2.1	16
163	Simplified hysteretic model for the representation of the biaxial bending response of RC columns. <i>Engineering Structures</i> , <b>2012</b> , 44, 146-158	4-7	16
162	Dynamic Structural Health Monitoring of slender structures using optical sensors. <i>Sensors</i> , <b>2012</b> , 12, 6629-6644	3-4	15
161	Assessment of seismic strengthening solutions for existing low-rise RC buildings in Nepal. <i>Earthquake and Structures</i> , <b>2015</b> , 8, 511-539		15
160	Study of the Seismic Response on the Infill Masonry Walls of a 15-Storey Reinforced Concrete Structure in Nepal. <i>Buildings</i> , <b>2019</b> , 9, 39	3-2	14
159	Optical sensors for bond-slip characterization and monitoring of RC structures. <i>Sensors and Actuators A: Physical</i> , <b>2018</b> , 280, 332-339	3-9	14
158	Optical FBG Sensors for Static Structural Health Monitoring. <i>Procedia Engineering</i> , <b>2011</b> , 14, 1564-1571		14
157	Optical Sensors Based on Fiber Bragg Gratings for Structural Health Monitoring. <i>Lecture Notes in Electrical Engineering</i> , <b>2011</b> , 253-295	0.2	14
156	Seismic Vulnerability and Risk Assessment of Historic Masonry Buildings. <i>Building Pathology and Rehabilitation</i> , <b>2014</b> , 307-348	0.2	14

155	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> , <b>2019</b> , 33, 04018109	2	14
154	Seismic performance of RC precast industrial buildingsâ€arning with the past earthquakes. <i>Innovative Infrastructure Solutions</i> , <b>2019</b> , 4, 1	2.3	14
153	Seismic Performance of Buildings in Nepal After the Gorkha Earthquake <b>2018</b> , 47-63		14
152	CABLE TENSIONING CONTROL AND MODAL IDENTIFICATION OF A CIRCULAR CABLE-STAYED FOOTBRIDGE. <i>Experimental Techniques</i> , <b>2009</b> , 34, 62-68	1.4	13
151	In situ Out-of-Plane Cyclic Testing of Original and Strengthened Traditional Stone Masonry Walls Using Airbags. <i>Journal of Earthquake Engineering</i> , <b>2016</b> , 20, 749-772	1.8	13
150	Development and application of a real-time loss estimation framework for Portugal. <i>Bulletin of Earthquake Engineering</i> , <b>2015</b> , 13, 2493-2516	3.7	12
149	The past 20 years of telecommunication structures in Portugal. <i>Engineering Structures</i> , <b>2013</b> , 48, 472-485	4.7	12
148	Influence of the mineralogical composition on the properties of adobe blocks from Aveiro, Portugal. <i>Clay Minerals</i> , <b>2013</b> , 48, 749-758	1.3	12
147	Mechanical properties characterization of different types of masonry infill walls. <i>Frontiers of Structural and Civil Engineering</i> , <b>2020</b> , 14, 411-434	2.5	11
146	Seismic safety assessment of existing masonry infill structures in Nepal. <i>Earthquake Engineering and Engineering Vibration</i> , <b>2016</b> , 15, 251-268	2	11
145	Nonlinear finite element model for traditional adobe masonry. <i>Construction and Building Materials</i> , <b>2019</b> , 223, 450-462	6.7	11
144	Structural health monitoring of the retrofitting process, characterization and reliability analysis of a masonry heritage construction. <i>Journal of Civil Structural Health Monitoring</i> , <b>2017</b> , 7, 405-428	2.9	11
143	Dynamic structural health monitoring of a civil engineering structure with a POF accelerometer. <i>Sensor Review</i> , <b>2014</b> , 34, 36-41	1.4	11
142	A new tool to assess water pipe networks vulnerability and robustness. <i>Engineering Failure Analysis</i> , <b>2011</b> , 18, 1637-1644	3.2	11
141	Two roofs of recent public buildings, the same technological failure. <i>Engineering Failure Analysis</i> , <b>2011</b> , 18, 811-817	3.2	11
140	Comparative structural response of two steel bridges constructed 100 years apart. <i>Structure and Infrastructure Engineering</i> , <b>2011</b> , 7, 843-855	2.9	11
139	Thin bonding wires temperature measurement using optical fiber sensors. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2011</b> , 44, 554-558	4.6	11
138	Seismic vulnerability and loss assessment of the Nepalese Pagoda temples. <i>Bulletin of Earthquake Engineering</i> , <b>2015</b> , 13, 2197-2223	3.7	10



137	Seismic Assessment of a School Building in Nepal and Analysis of Retrofitting Solutions. <i>International Journal of Civil Engineering</i> , <b>2018</b> , 16, 1573-1589	1.9	10
136	Experimental Characterization of the In-plane and Out-of-Plane Behaviour of Infill Masonry Walls. <i>Procedia Engineering</i> , <b>2015</b> , 114, 862-869		10
135	Double-Leaf Infill Masonry Walls Cyclic In-Plane Behaviour: Experimental and Numerical Investigation. <i>Open Construction and Building Technology Journal</i> , <b>2018</b> , 12, 35-48	1.1	10
134	The use of textile-reinforced mortar as a strengthening technique for the infill walls out-of-plane behaviour. <i>Composite Structures</i> , <b>2021</b> , 255, 113029	5.3	10
133	Advances on the use of non-destructive techniques for mechanical characterization of stone masonry: GPR and sonic tests. <i>Procedia Structural Integrity</i> , <b>2017</b> , 5, 1108-1115	1	9
132	Experimental characterization of physical and mechanical properties of schist from Portugal. <i>Construction and Building Materials</i> , <b>2014</b> , 50, 617-630	6.7	9
131	Structural vulnerability of two traditional Portuguese timber structural systems. <i>Engineering Failure Analysis</i> , <b>2011</b> , 18, 776-782	3.2	9
130	Soft computing-based models for the prediction of masonry compressive strength. <i>Engineering Structures</i> , <b>2021</b> , 248, 113276	4.7	9
129	Soil mineralogical composition effects on the durability of adobe blocks from the Huambo region, Angola. <i>Bulletin of Engineering Geology and the Environment</i> , <b>2017</b> , 76, 125-132	4	8
128	Seismic performance of adobe construction. <i>Sustainable and Resilient Infrastructure</i> , <b>2017</b> , 2, 8-21	3.3	8
127	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> , <b>2018</b> , 12, 922-935	2.1	8
126	Seismic behavior of two Portuguese adobe buildings: part II - numerical modeling and fragility assessment. <i>International Journal of Architectural Heritage</i> , <b>2018</b> , 12, 936-950	2.1	8
125	Render reinforced with textile threads. <i>Construction and Building Materials</i> , <b>2013</b> , 40, 26-32	6.7	8
124	Structural health monitoring of different geometry structures with optical fiber sensors. <i>Photonic Sensors</i> , <b>2012</b> , 2, 357-365	2.3	8
123	Common Pathologies in Composite Adobe and Reinforced Concrete Constructions. <i>Journal of Performance of Constructed Facilities</i> , <b>2012</b> , 26, 389-401	2	8
122	Trade-off Pareto optimum design of an innovative curved damper truss moment frame considering structural and non-structural objectives. <i>Structures</i> , <b>2020</b> , 28, 1338-1353	3.4	8
121	Hazard Disaggregation and Record Selection for Fragility Analysis and Earthquake Loss Estimation. <i>Earthquake Spectra</i> , <b>2017</b> , 33, 529-549	3.4	7
120	Seismic vulnerability assessment methodology for slender masonry structures. <i>International Journal of Architectural Heritage</i> , <b>2018</b> , 12, 1297-1326	2.1	7

119	Generation of spectrum-compatible acceleration time history for Nepal. <i>Comptes Rendus - Geoscience</i> , <b>2017</b> , 349, 198-201	1.4	7
118	Análise comparativa do comportamento cíclico de uma viga-pilar com armadura lisa e nervurada. <i>Revista IBRACON De Estruturas E Materiais</i> , <b>2011</b> , 4, 147-172	0.5	7
117	Materiales y tecnologías en la Arquitectura Modernista: Casos de Estudio de decoración de fachadas en Italia, Portugal y Polonia persiguiendo una restauración racional. <i>Informes De La Construccion</i> , <b>2011</b> , 63, 5-11	0.4	7
116	A high resolution GPR experiment to characterize the internal structure of a damaged adobe wall. <i>First Break</i> , <b>2009</b> , 27,	0.5	7
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