

Paulo B. Lourenco

List of Publications by Year in descending order

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494
papers

16,707
citations

15880

67
h-index

34195

103
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523
all docs

523
docs citations

523
times ranked

6640
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Detection of Surface Damage in Round Brick Chimneys by Finite Plane Modelling from Terrestrial Laser Scanning Point Clouds. Case Study of Bragança Dukes' Palace, Guimarães, Portugal. International Journal of Architectural Heritage, 2023, 17, 389-403.	1.7	5
2	Assessment of Excavated Tunnels Stability in the Maya Archeological Area of Copán, Honduras. International Journal of Architectural Heritage, 2023, 17, 431-449.	1.7	4
3	Real-time Structural Stability of Domes through Limit Analysis: Application to St. Peter's Dome. International Journal of Architectural Heritage, 2023, 17, 915-937.	1.7	17
4	Integrating HBIM and Sustainability Certification: A Pilot Study Using GBC Historic Building Certification. International Journal of Architectural Heritage, 2023, 17, 1464-1483.	1.7	5
5	Verification of Mechanical Properties of Historical Brick Masonry Walls with Masonry Quality Index Method in Iran. International Journal of Architectural Heritage, 2023, 17, 2001-2011.	1.7	2
6	Computational investigations on the combined shear-torsion-bending behavior of dry-joint masonry using DEM. Computational Particle Mechanics, 2023, 10, 249-260.	1.5	10
7	Automatic Procedures for the Safety Assessment of Stand-alone Masonry Arches. International Journal of Architectural Heritage, 2022, 16, 1306-1324.	1.7	7
8	Development and Demonstration of an HBIM Framework for the Preventive Conservation of Cultural Heritage. International Journal of Architectural Heritage, 2022, 16, 1451-1473.	1.7	20
9	Morphological and Geometrical Characterization of Historical Churches of Yucatan, Mexico. International Journal of Architectural Heritage, 2022, 16, 1382-1413.	1.7	2
10	Novel non-linear static numerical model for curved masonry structures based on a combined adaptive limit analysis and discrete FE computations. International Journal of Solids and Structures, 2022, 236-237, 111265.	1.3	5
11	Specific Dissipated Energy as a Failure Predictor for Uniform Sands under Constant Volume Cyclic Simple Shear Loading. KSCE Journal of Civil Engineering, 2022, 26, 703-714.	0.9	3
12	A CONCURRENT MICRO/MACRO FE-MODEL OPTIMIZED WITH A LIMIT ANALYSIS TOOL FOR THE ASSESSMENT OF DRY-JOINT MASONRY STRUCTURES. International Journal for Multiscale Computational Engineering, 2022, 20, 65-85.	0.8	30
13	Seismic assessment of metallic neo-gothic church: Deterioration and safety of early structural design. Structures, 2022, 36, 330-343.	1.7	1
14	Structural health monitoring of civil engineering structures by using the internet of things: A review. Journal of Building Engineering, 2022, 48, 103954.	1.6	105
15	Seismic response of a small-scale masonry groin vault: experimental investigation by performing quasi-static and shake table tests. Bulletin of Earthquake Engineering, 2022, 20, 1739-1765.	2.3	20
16	Genetic prediction of ICU hospitalization and mortality in COVID-19 patients using artificial neural networks. Journal of Cellular and Molecular Medicine, 2022, 26, 1445-1455.	1.6	45
17	Design Proposal for Masonry Infill Walls Subject to Seismic Actions. Applied Sciences (Switzerland), 2022, 12, 503.	1.3	1
18	On the use of a mesoscale masonry pattern representation in discrete macro-element approach. Journal of Building Engineering, 2022, 50, 104182.	1.6	10

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19	Joint Stiffness Influence on the First-Order Seismic Capacity of Dry-Joint Masonry Structures: Numerical DEM Investigations. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2108.	1.3	9
20	Ductile Moment-Resisting Timber Connections: A Review. <i>Buildings</i> , 2022, 12, 240.	1.4	8
21	On the Use of Web Mapping Platforms to Support the Seismic Vulnerability Assessment of Old Urban Areas. <i>Remote Sensing</i> , 2022, 14, 1424.	1.8	7
22	Exposure and physical vulnerability indicators to assess seismic risk in urban areas: a step towards a multi-hazard risk analysis. <i>Geomatics, Natural Hazards and Risk</i> , 2022, 13, 1154-1177.	2.0	3
23	Effects of spatial variability and correlation in stochastic discontinuum analysis of unreinforced masonry walls. <i>Construction and Building Materials</i> , 2022, 337, 127511.	3.2	14
24	Seismic upgrading of cultural heritage – A case study using an educational building in Croatia from the historicism style. <i>Case Studies in Construction Materials</i> , 2022, 17, e01183.	0.8	4
25	Experimental Stress Analysis of Cross-Laminated Timber Elements under Cyclic Moisture. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	1.3	3
26	Safety assessment of the Torre de la Vela in la Alhambra, Granada, Spain: The role of on site works. <i>Engineering Structures</i> , 2022, 264, 114443.	2.6	14
27	Dynamic Numerical Simulations of Dry-Stone Retaining Walls: Identification of the Seismic Behaviour Factor. <i>Geosciences (Switzerland)</i> , 2022, 12, 252.	1.0	3
28	Chattering: an overlooked peculiarity of rocking motion. <i>Nonlinear Dynamics</i> , 2022, 109, 459-477.	2.7	6
29	Experimental, numerical and analytical investigations of masonry corners: Influence of the horizontal pseudo-static load orientation. <i>Construction and Building Materials</i> , 2022, 344, 127969.	3.2	10
30	A solution for the frictional resistance in macro-block limit analysis of non-periodic masonry. <i>Structures</i> , 2022, 43, 847-859.	1.7	23
31	Risk and Resilience in Practice: Cultural Heritage Buildings. <i>International Journal of Architectural Heritage</i> , 2021, 15, 973-975.	1.7	6
32	Lessons from Structural Analysis of a Great Gothic Cathedral: Canterbury Cathedral as a Case Study. <i>International Journal of Architectural Heritage</i> , 2021, 15, 1765-1794.	1.7	9
33	Discussion of the role of geometry, proportion and construction techniques in the seismic behavior of 16th to 18th century bulbous discontinuous double shell domes in central Iran. <i>Journal of Building Engineering</i> , 2021, 33, 101575.	1.6	5
34	Numerical modeling of the tension stiffening in reinforced concrete members via discontinuum models. <i>Computational Particle Mechanics</i> , 2021, 8, 423-436.	1.5	9
35	Out-of-plane testing of masonry walls retrofitted with oriented strand board timber panels. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2021, 174, 403-417.	0.4	3
36	Advanced analysis of masonry retaining walls using mixed discrete-continuum approach. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2021, 174, 302-314.	0.9	12

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37	Seismic Safety Assessment of Mixed Timber-Masonry Historical Building: An Example in Lima, Peru. <i>Journal of Earthquake Engineering</i> , 2021, 25, 872-891.	1.4	11
38	Higher Mode Effects in Pushover Analysis of Irregular Masonry Buildings. <i>Journal of Earthquake Engineering</i> , 2021, 25, 1459-1493.	1.4	19
39	Fragility Functions for Tall URM Buildings around Early 20th Century in Lisbon. Part 1: Methodology and Application at Building Level. <i>International Journal of Architectural Heritage</i> , 2021, 15, 349-372.	1.7	7
40	A micro-modeling approach for the prediction of TRM bond performance on curved masonry substrates. <i>Composite Structures</i> , 2021, 256, 113065.	3.1	7
41	Seismic fragility assessment of masonry building aggregates: A case study in the old city Centre of Seixal, Portugal. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 1358-1377.	2.5	26
42	Experimental and numerical analysis on the structural fire behaviour of three-cell hollowed concrete masonry walls. <i>Engineering Structures</i> , 2021, 228, 111439.	2.6	17
43	Monitoring of Induced Groundborne Vibrations in Cultural Heritage Buildings: Miscellaneous Errors and Aliasing through Integration and Filtering. <i>International Journal of Architectural Heritage</i> , 2021, 15, 205-228.	1.7	3
44	In-plane behaviour of rubble stone masonry walls: Experimental, numerical and analytical approach. <i>Construction and Building Materials</i> , 2021, 271, 121548.	3.2	10
45	Protecting the Historic Buildings of Mexico: The Barrel Vault of San Agustin Church in Morelia. <i>Journal of Performance of Constructed Facilities</i> , 2021, 35, .	1.0	5
46	Structural Health Assessment of Timber Structures: Selected Papers from the SHATIS™19 Conference. <i>International Journal of Architectural Heritage</i> , 2021, 15, 249-249.	1.7	1
47	Fragility Functions for Tall URM Buildings around Early 20th Century in Lisbon, Part 2: Application to Different Classes of Buildings. <i>International Journal of Architectural Heritage</i> , 2021, 15, 373-389.	1.7	7
48	Numerical validation of a heterogeneous FE approach for the analysis of TRM debonding on curved masonry substrates. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	1
49	Numerical Modelling of Adobe Structures. <i>Building Pathology and Rehabilitation</i> , 2021, , 211-242.	0.1	0
50	Organic-inorganic hybrid sol-gel materials doped with a fluorescent triarylimidazole derivative. <i>RSC Advances</i> , 2021, 11, 24613-24623.	1.7	11
51	Nondestructive testing, assessment, and strengthening for reducing the seismic vulnerability of masonry structures. , 2021, , 123-146.		0
52	Non-destructive (NDT) and Minor-destructive (MDT) Testing Tools to Support the Structural Characterization of Adobe Constructions. <i>Building Pathology and Rehabilitation</i> , 2021, , 153-181.	0.1	0
53	A Tool for the Rapid Seismic Assessment of Historic Masonry Structures Based on Limit Analysis Optimisation and Rocking Dynamics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 942.	1.3	41
54	An Improved Seismic Vulnerability Assessment Approach for Historical Urban Centres: The Case Study of Campi Alto di Norcia, Italy. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 849.	1.3	14

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55	Negative selection algorithm based methodology for online structural health monitoring. <i>Engineering Structures</i> , 2021, 229, 111662.	2.6	10
56	Experimental evaluation of out-of-plane strength of masonry walls retrofitted with oriented strand board. <i>Construction and Building Materials</i> , 2021, 269, 121358.	3.2	10
57	Integration of disciplines in the structural analysis of historical constructions. The Monastery of San Jer�nimo de Buenavista (Seville-Spain). <i>Engineering Structures</i> , 2021, 230, 111663.	2.6	4
58	Overview on the Nonlinear Static Procedures and Performance-Based Approach on Modern Unreinforced Masonry Buildings with Structural Irregularity. <i>Buildings</i> , 2021, 11, 147.	1.4	16
59	Damage classification of residential buildings in historical downtown after the ML5.5 earthquake in Zagreb, Croatia in 2020. <i>International Journal of Disaster Risk Reduction</i> , 2021, 56, 102140.	1.8	62
60	Prediction of cement-based mortars compressive strength using machine learning techniques. <i>Neural Computing and Applications</i> , 2021, 33, 13089-13121.	3.2	73
61	On the elastic and mixed-mode fracture properties of PVC foam. <i>Theoretical and Applied Fracture Mechanics</i> , 2021, 112, 102924.	2.1	24
62	Territorial seismic risk assessment of a sample of 13 masonry churches in Tuscany (Italy) through simplified indexes. <i>Engineering Structures</i> , 2021, 235, 111479.	2.6	8
63	Seismic behaviour of a mixed iron-masonry church: Santa Maria Maddalena, Ischia. <i>Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics</i> , 2021, 174, 114-129.	0.4	5
64	Innovative systems for earthquake-resistant masonry infill walls: Characterization of materials and masonry assemblages. <i>Journal of Building Engineering</i> , 2021, 39, 102195.	1.6	6
65	Experimental analysis of lime putty and pozzolan-based mortar for interventions in archaeological sites. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	1.3	3
66	A variational rigid-block modeling approach to nonlinear elastic and kinematic analysis of failure mechanisms in historic masonry structures subjected to lateral loads. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 3332-3354.	2.5	12
67	Seismic assessment of large historic vernacular adobe buildings in the Andean Region of Peru. Learning from Casa Arones in cusco. <i>Journal of Building Engineering</i> , 2021, 40, 102341.	1.6	9
68	Thermomechanical behaviour of refractory dry-stacked masonry walls under uniaxial compression. <i>Engineering Structures</i> , 2021, 240, 112361.	2.6	13
69	Seismic vulnerability of masonry churches in Abruzzi region, Italy. <i>Structures</i> , 2021, 32, 662-680.	1.7	9
70	Strain variation analysis of cross-laminated timber elements under cyclic moisture. <i>Journal of Building Engineering</i> , 2021, 41, 102373.	1.6	1
71	In-plane structural performance of dry-joint stone masonry Walls: A spatial and non-spatial stochastic discontinuum analysis. <i>Engineering Structures</i> , 2021, 242, 112620.	2.6	22
72	Normal and tangential behaviour of dry joints in refractory masonry. <i>Engineering Structures</i> , 2021, 243, 112600.	2.6	11

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73	Out-of-plane loaded masonry walls retrofitted with oriented strand boards: Numerical analysis and influencing parameters. <i>Engineering Structures</i> , 2021, 243, 112683.	2.6	27
74	Insight into the Effects of Solvent Treatment of Natural Fibers Prior to Structural Composite Casting: Chemical, Physical and Mechanical Evaluation. <i>Fibers</i> , 2021, 9, 54.	1.8	11
75	An experimental and numerical contribution for understanding the in-situ shear behaviour of unreinforced masonry. <i>Journal of Building Engineering</i> , 2021, 44, 103389.	1.6	4
76	Structural Performance of the Esfahan Shah Mosque. <i>Journal of Structural Engineering</i> , 2021, 147, .	1.7	12
77	Soft computing techniques for the prediction of concrete compressive strength using Non-Destructive tests. <i>Construction and Building Materials</i> , 2021, 303, 124450.	3.2	53
78	Numerical Block-Based Simulation of Rocking Structures Using a Novel Universal Viscous Damping Model. <i>Journal of Engineering Mechanics - ASCE</i> , 2021, 147, .	1.6	26
79	Linear and non-linear FEM analyses to assess a shear flat-jack test for masonries. <i>Journal of Building Engineering</i> , 2021, 43, 103169.	1.6	5
80	Physical-mechanical characterization of limestones from Yucatan churches, Mexico. <i>Journal of Building Engineering</i> , 2021, 44, 102895.	1.6	5
81	Vibration control systems: A review of their application to historical unreinforced masonry buildings. <i>Journal of Building Engineering</i> , 2021, 44, 103333.	1.6	10
82	Dynamic behavior of a masonry bell tower subjected to actions caused by bell swinging. <i>Structures</i> , 2021, 34, 1798-1810.	1.7	5
83	Evoluo do Processo de Carbonatao em Argamassas de Cal Area. <i>Revista Materia</i> , 2021, 26, .	0.1	0
84	A Parametric Scan-to-FEM Framework for the Digital Twin Generation of Historic Masonry Structures. <i>Sustainability</i> , 2021, 13, 11088.	1.6	49
85	Calibration of the X-ray Diffraction Technique in Measuring In-service Stresses in Corrugated Steel Bars. <i>International Journal of Steel Structures</i> , 2021, 21, 2018.	0.6	0
86	Soft computing-based models for the prediction of masonry compressive strength. <i>Engineering Structures</i> , 2021, 248, 113276.	2.6	61
87	The effect of ground motion vertical component on the seismic response of historical masonry buildings: The case study of the Banloc Castle in Romania. <i>Engineering Structures</i> , 2021, 249, 113346.	2.6	30
88	Reducing the Training Samples for Damage Detection of Existing Buildings through Self-Space Approximation Techniques. <i>Sensors</i> , 2021, 21, 7155.	2.1	1
89	Safety Issues in Buckling of Steel Structures by Improving Accuracy of Historical Methods. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12253.	1.2	3
90	Numerical Analysis of an Earthen Masonry Structure Subjected to Blast Loading. <i>CivilEng</i> , 2021, 2, 969-985.	0.8	3

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91	Static and Impact Response of a Single-Span Stone Masonry Arch. <i>Infrastructures</i> , 2021, 6, 178.	1.4	5
92	Microstructures of Building Materials from Huaca De La Luna, Peru. <i>International Journal of Architectural Heritage</i> , 2020, 14, 256-273.	1.7	3
93	Experimental Out-Of-Plane Behavior of Brick Masonry Infilled Frames. <i>International Journal of Architectural Heritage</i> , 2020, 14, 221-237.	1.7	37
94	Seismic assessment of nineteenth and twentieth centuries URM buildings in Lisbon: structural features and derivation of fragility curves. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 645-672.	2.3	20
95	A fast modeling approach for numerical analysis of unreinforced and FRCM reinforced masonry walls under out-of-plane loading. <i>Composites Part B: Engineering</i> , 2020, 180, 107553.	5.9	62
96	Advanced non-destructive techniques for the diagnosis of historic buildings: The Loka-Hteik-Pan temple in Bagan. <i>Journal of Cultural Heritage</i> , 2020, 43, 108-117.	1.5	16
97	Three-dimensional elastic properties of masonry by mechanics of structure gene. <i>International Journal of Solids and Structures</i> , 2020, 191-192, 202-211.	1.3	9
98	Simulation of the in-plane structural behavior of unreinforced masonry walls and buildings using DEM. <i>Structures</i> , 2020, 27, 2274-2287.	1.7	67
99	Safety assessment of the South Oculus of Canterbury Cathedral. <i>Structures</i> , 2020, 28, 1427-1434.	1.7	1
100	Tensile Fracture Mechanism of Masonry Wallettes Parallel to Bed Joints: A Stochastic Discontinuum Analysis. <i>Modelling</i> , 2020, 1, 78-93.	0.8	16
101	Seismic appraisal of heritage ruins: The case study of the St. Mary of Carmel church in Cyprus. <i>Engineering Structures</i> , 2020, 224, 111209.	2.6	18
102	Lateral in-plane seismic response of confined masonry walls: From numerical to backbone models. <i>Engineering Structures</i> , 2020, 221, 111098.	2.6	10
103	Mapping and holistic design of natural hydraulic lime mortars. <i>Cement and Concrete Research</i> , 2020, 136, 106167.	4.6	122
104	Numerical analysis and experimental characterisation of brick masonry. <i>International Journal of Masonry Research and Innovation</i> , 2020, 5, 321.	0.3	8
105	Learning from failure: Damage and failure of masonry structures, after the 2017 Lesvos earthquake (Greece). <i>Engineering Failure Analysis</i> , 2020, 117, 104803.	1.8	94
106	FEM Applied to Building Physics: Modeling Solar Radiation and Heat Transfer of PCM Enhanced Test Cells. <i>Energies</i> , 2020, 13, 2200.	1.6	5
107	A digital tool based on Genetic Algorithms and Limit Analysis for the seismic assessment of historic masonry buildings. <i>Procedia Structural Integrity</i> , 2020, 28, 1511-1519.	0.3	7
108	Fast discrete homogenization approach for the analysis under out-of-plane loads of unreinforced and TRM reinforced masonry panels. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1

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109	A meso-scale discrete element method framework to simulate thermo-mechanical failure of concrete subjected to elevated temperatures. <i>Engineering Fracture Mechanics</i> , 2020, 239, 107269.	2.0	21
110	Pushover analysis of unreinforced irregular masonry buildings: Lessons from different modeling approaches. <i>Engineering Structures</i> , 2020, 218, 110830.	2.6	47
111	The use of natural fibers in repairing and strengthening of cultural heritage buildings. <i>Materials Today: Proceedings</i> , 2020, 31, S321-S328.	0.9	20
112	Rapid post-earthquake damage localization and quantification in masonry structures through multidimensional non-linear seismic IDA. <i>Engineering Structures</i> , 2020, 219, 110841.	2.6	41
113	Numerical homogenization-based seismic assessment of an English-bond masonry prototype: Structural level application. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 841-862.	2.5	17
114	Seismic evaluation of Bagan heritage site (Myanmar): The Loka-Hteik-Pan temple. <i>Structures</i> , 2020, 24, 905-921.	1.7	9
115	Finite element based micro modelling of masonry walls subjected to fire exposure: Framework validation and structural implications. <i>Engineering Structures</i> , 2020, 213, 110545.	2.6	13
116	Longitudinal restraining devices for the evaluation of structural behaviour of cement-based materials: The past, present and prospective trends. <i>Strain</i> , 2020, 56, e12343.	1.4	7
117	Elastic Modulus Measurement Through Ambient Response Method. <i>Springer Tracts in Civil Engineering</i> , 2020, , 69-98.	0.3	1
118	Discontinuum analysis of the fracture mechanism in masonry prisms and wallettes via discrete element method. <i>Meccanica</i> , 2020, 55, 505-523.	1.2	38
119	COMPUTATIONAL APPLICATIONS IN MASONRY STRUCTURES: FROM THE MESO-SCALE TO THE SUPER-LARGE/SUPER-COMPLEX. <i>International Journal for Multiscale Computational Engineering</i> , 2020, 18, 1-30.	0.8	29
120	Nonlinear modeling of unreinforced masonry structures under seismic actions: validation using a building hit by the 2016 Central Italy earthquake. <i>Frattura Ed Integrita Strutturale</i> , 2020, 14, 92-114.	0.5	15
121	Dynamic characterization of progressively damaged segmental masonry arches with one settled support: experimental and numerical analyses. <i>Frattura Ed Integrita Strutturale</i> , 2020, 14, 423-441.	0.5	13
122	Experimental and Numerical Investigations of a Segmental Masonry Arch Subjected to Horizontal Settlements. <i>Structural Integrity</i> , 2020, , 413-421.	0.8	2
123	A multi-physics modelling based on coupled diffusion equations to simulate the carbonation process. <i>Revista IBRACON De Estruturas E Materiais</i> , 2020, 13, .	0.3	0
124	Simplified micro-modelling of masonry cross vaults: stereotomy and interface issues. <i>International Journal of Masonry Research and Innovation</i> , 2020, 1, 1.	0.3	1
125	Structural Evaluation and Preliminary Analysis of the St. Jerome Hall of the Church of the Nativity in Bethlehem. <i>RILEM Bookseries</i> , 2019, , 1063-1072.	0.2	1
126	Dynamic Behaviour Analysis of an English-Bond Masonry Prototype Using a Homogenized-Based Discrete FE Model. <i>RILEM Bookseries</i> , 2019, , 966-974.	0.2	0

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127	Assessment of the Seismic Vulnerability of an Unreinforced Masonry Structure Based on Discrete-Macro Dynamic Analyses. RILEM Bookseries, 2019, , 1210-1218.	0.2	2
128	Seismic Assessment of the Matera Cathedral. RILEM Bookseries, 2019, , 1346-1354.	0.2	15
129	Estimation of Churches Frequencies Based on Simplified Geometry Parameters. RILEM Bookseries, 2019, , 558-567.	0.2	1
130	Environmental and Dynamic Remote Monitoring of Historical Adobe Buildings: The Case Study of the Andahuaylillas Church in Cusco, Peru. RILEM Bookseries, 2019, , 2216-2224.	0.2	1
131	Traditional techniques for the rehabilitation and protection of historic earthen structures: The seismic retrofitting project. International Journal of Architectural Heritage, 2019, 13, 15-32.	1.7	21
132	Environmental and Ambient Vibration Monitoring of Historical Adobe Buildings: Applications in Emblematic Andean Churches. International Journal of Architectural Heritage, 2019, , 1-17.	1.7	10
133	Deterministically generated negative selection algorithm for damage detection in civil engineering systems. Engineering Structures, 2019, 197, 109444.	2.6	12
134	Vibration-Based Damage Detection in Historical Adobe Structures: Laboratory and Field Applications. International Journal of Architectural Heritage, 2019, 13, 1005-1028.	1.7	5
135	Seismic vulnerability of URM structures based on a Discrete Macro-Element Modeling (DMEM) approach. Engineering Structures, 2019, 201, 109715.	2.6	27
136	Hygro-mechanical modeling of restrained ring test: COST TU1404 benchmark. Construction and Building Materials, 2019, 229, 116543.	3.2	11
137	Quantification of impact of lime on mechanical behaviour of lime cement blended mortars for bedding joints in masonry systems. Construction and Building Materials, 2019, 229, 116884.	3.2	17
138	Nonlinear Dynamic Analysis for Safety Assessment of Heritage Buildings: Church of Santa Maria de BelĂ©m. Journal of Structural Engineering, 2019, 145, 04019153.	1.7	6
139	Mechanical properties of lime-cement masonry mortars in their early ages. Materials and Structures/Materiaux Et Constructions, 2019, 52, 1.	1.3	24
140	Analysis of the long and short-term effects of temperature and humidity on the structural properties of adobe buildings using continuous monitoring. Engineering Structures, 2019, 196, 109299.	2.6	34
141	Intervened URM buildings with RC elements: typological characterisation and associated challenges. Bulletin of Earthquake Engineering, 2019, 17, 4987-5019.	2.3	10
142	Simulation of uniaxial tensile behavior of quasi-brittle materials using softening contact models in DEM. International Journal of Fracture, 2019, 217, 105-125.	1.1	45
143	Diagnosis and Seismic Behavior Evaluation of the Church of SĂ£o Miguel de Refojos (Portugal). Buildings, 2019, 9, 138.	1.4	14
144	Stiffness evolution of natural hydraulic lime mortars at early ages measured through EMM-ARM. Construction and Building Materials, 2019, 216, 405-415.	3.2	11

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145	Structural behaviour and design rules of confined masonry walls: Review and proposals. Construction and Building Materials, 2019, 217, 137-155.	3.2	46
146	Mechanical Behavior of Two-Leaf Masonry Wall – Strengthening Using Different Grouts. Journal of Materials in Civil Engineering, 2019, 31, .	1.3	5
147	Disaster Risk Reduction and Urban Resilience: Concepts, Methods and Applications. , 2019, , 453-473.		6
148	S2HM in Some European Countries. Springer Tracts in Civil Engineering, 2019, , 303-343.	0.3	9
149	Experimental analysis of the thermohygro-metric effects on the dynamic behavior of adobe systems. Construction and Building Materials, 2019, 208, 158-174.	3.2	21
150	Effectiveness of seismic retrofitting of a historical masonry structure: Kâ¼tahya KurÅYunlu Mosque, Turkey. Bulletin of Earthquake Engineering, 2019, 17, 3365-3395.	2.3	44
151	Masonry Compressive Strength Prediction Using Artificial Neural Networks. Communications in Computer and Information Science, 2019, , 200-224.	0.4	29
152	Bond behavior degradation between FRP and masonry under aggressive environmental conditions. Mechanics of Advanced Materials and Structures, 2019, 26, 6-14.	1.5	17
153	Simplified Formulations for Estimating the Main Frequencies of Ancient Masonry Churches. Frontiers in Built Environment, 2019, 5, .	1.2	25
154	Seismic Evaluation and Strengthening of an Existing Masonry Building in Sarajevo, B&H. Buildings, 2019, 9, 30.	1.4	17
155	Quasi-static tests on a two-story CLT building. Engineering Structures, 2019, 201, 109806.	2.6	7
156	Experimental Investigation of the Structural Response of Adobe Buildings to Lateral Loading Before and After the Implementation of Compatible Grout Repairs. RILEM Bookseries, 2019, , 1548-1556.	0.2	0
157	SEISMIC VULNERABILITY ASSESSMENT OF A 17th CENTURY ADOBE CHURCH IN THE PERUVIAN ANDES. International Journal of Architectural Heritage, 2019, 13, 140-152.	1.7	13
158	A Double Dome Through the Ages. RILEM Bookseries, 2019, , 87-95.	0.2	3
159	Macro-modelling approach for assessment of out-of-plane behavior of brick masonry infill walls. Engineering Structures, 2019, 181, 529-549.	2.6	26
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