

Paulo B Lourenco

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.

142
papers

5,344
citations

37
h-index

70
g-index

148
ext. papers

6,262
ext. citations

3.6
avg, IF

6.29
L-index

#	Paper	IF	Citations
142	Multisurface Interface Model for Analysis of Masonry Structures. <i>Journal of Engineering Mechanics - ASCE</i> , 1997 , 123, 660-668	2.4	480
141	Computations on historic masonry structures. <i>Structural Control and Health Monitoring</i> , 2002 , 4, 301-319		345
140	Continuum Model for Masonry: Parameter Estimation and Validation. <i>Journal of Structural Engineering</i> , 1998 , 124, 642-652	3	208
139	Mortar-based systems for externally bonded strengthening of masonry. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014 , 47, 2021-2037	3.4	166
138	Numerical models for the seismic assessment of an old masonry tower. <i>Engineering Structures</i> , 2010 , 32, 1466-1478	4.7	163
137	A plane stress softening plasticity model for orthotropic materials. <i>International Journal for Numerical Methods in Engineering</i> , 1997 , 40, 4033-4057	2.4	159
136	Analysis of Masonry Structures Without Box Behavior. <i>International Journal of Architectural Heritage</i> , 2011 , 5, 369-382	2.1	155
135	Round Robin Test for composite-to-brick shear bond characterization. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012 , 45, 1761-1791	3.4	152
134	Influence of aggregates grading and water/cement ratio in workability and hardened properties of mortars. <i>Construction and Building Materials</i> , 2011 , 25, 2980-2987	6.7	142
133	Performance assessment of basalt FRCM for retrofit applications on masonry. <i>Composites Part B: Engineering</i> , 2017 , 128, 1-18	10	134
132	Analysis of masonry structures: review of and recent trends in homogenization techniques This article is one of a selection of papers published in this Special Issue on Masonry.. <i>Canadian Journal of Civil Engineering</i> , 2007 , 34, 1443-1457	1.3	122
131	3D non-linear behavior of masonry arch bridges. <i>Computers and Structures</i> , 2012 , 110-111, 133-150	4.5	118
130	Experimental Behavior of FRP Strengthened Masonry Arches. <i>Journal of Composites for Construction</i> , 2010 , 14, 312-322	3.3	107
129	Mechanical performance of natural fiber-reinforced composites for the strengthening of masonry. <i>Composites Part B: Engineering</i> , 2015 , 77, 74-83	10	105
128	Modeling and vulnerability of historical city centers in seismic areas: a case study in Lisbon. <i>Engineering Structures</i> , 2004 , 26, 1295-1310	4.7	101
127	Application of digital image correlation in investigating the bond between FRP and masonry. <i>Composite Structures</i> , 2013 , 106, 340-349	5.3	91
126	Dry Joint Stone Masonry Walls Subjected to In-Plane Combined Loading. <i>Journal of Structural Engineering</i> , 2005 , 131, 1665-1673	3	91

125	Experimental Bond Behavior of FRP Sheets Glued on Brick Masonry. <i>Journal of Composites for Construction</i> , 2011 , 15, 32-41	3.3	85
124	Anisotropic Softening Model for Masonry Plates and Shells. <i>Journal of Structural Engineering</i> , 2000 , 126, 1008-1016	3	85
123	Numerical analysis of bond behavior between masonry bricks and composite materials. <i>Engineering Structures</i> , 2012 , 43, 210-220	4.7	78
122	Mechanics of hollow concrete block masonry prisms under compression: Review and prospects. <i>Cement and Concrete Composites</i> , 2007 , 29, 181-192	8.6	77
121	Geometric issues and ultimate load capacity of masonry arch bridges from the northwest Iberian Peninsula. <i>Engineering Structures</i> , 2010 , 32, 3955-3965	4.7	74
120	Characterization of Cyclic Behavior of Dry Masonry Joints. <i>Journal of Structural Engineering</i> , 2004 , 130, 779-786	3	73
119	Validation of analytical and continuum numerical methods for estimating the compressive strength of masonry. <i>Computers and Structures</i> , 2006 , 84, 1977-1989	4.5	71
118	Unreinforced and confined masonry buildings in seismic regions: Validation of macro-element models and cost analysis. <i>Engineering Structures</i> , 2014 , 64, 52-67	4.7	65
117	Seismic Assessment of Masonry Buildings in Lisbon, Portugal. <i>Journal of Earthquake Engineering</i> , 2009 , 14, 80-101	1.8	63
116	Numerical study of the role of mortar joints in the bond behavior of FRP-strengthened masonry. <i>Composites Part B: Engineering</i> , 2013 , 46, 21-30	10	61
115	Cap Model for Limit Analysis and Strengthening of Masonry Structures. <i>Journal of Structural Engineering</i> , 2003 , 129, 1367-1375	3	58
114	Discrete element modeling of masonry structures: Validation and application. <i>Earthquake and Structures</i> , 2016 , 11, 563-582		58
113	Seismic performance of the St. George of the Latins church: Lessons learned from studying masonry ruins. <i>Engineering Structures</i> , 2012 , 40, 501-518	4.7	53
112	Traditional earthquake resistant techniques for vernacular architecture and local seismic cultures: A literature review. <i>Journal of Cultural Heritage</i> , 2017 , 27, 181-196	2.9	50
111	A simplified homogenized limit analysis model for randomly assembled blocks out-of-plane loaded. <i>Computers and Structures</i> , 2010 , 88, 690-717	4.5	48
110	Parametrical study of masonry walls subjected to in-plane loading through numerical modeling. <i>Engineering Structures</i> , 2011 , 33, 1377-1389	4.7	46
109	Testing and modeling of a traditional timber mortise and tenon joint. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014 , 47, 213-225	3.4	45
108	Characterization of debonding in FRP-strengthened masonry using the acoustic emission technique. <i>Engineering Structures</i> , 2014 , 66, 24-34	4.7	43

107	Masonry behaviour and modelling. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2014 , 1-26	0.6	41
106	Automatic Morphologic Analysis of Quasi-Periodic Masonry Walls from LiDAR. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016 , 31, 305-319	8.4	39
105	Seismic vulnerability and risk analysis of the old building stock at urban scale: application to a neighbourhood in Lisbon. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 2901-2937	3.7	37
104	Monte Carlo homogenized limit analysis model for randomly assembled blocks in-plane loaded. <i>Computational Mechanics</i> , 2010 , 46, 827-849	4	37
103	Comparison of in-plane and out-of-plane failure modes of masonry arch bridges using discontinuum analysis. <i>Engineering Structures</i> , 2019 , 178, 24-36	4.7	36
102	Implementation and validation of a total displacement non-linear homogenization approach for in-plane loaded masonry. <i>Computers and Structures</i> , 2016 , 176, 13-33	4.5	35
101	Repair of composite-to-masonry bond using flexible matrix. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 2563-2580	3.4	33
100	Structural assessment and seismic vulnerability of earthen historic structures. Application of sophisticated numerical and simple analytical models. <i>Engineering Structures</i> , 2018 , 160, 488-509	4.7	33
99	Sensitivity analysis of the seismic performance of existing masonry buildings. <i>Engineering Structures</i> , 2014 , 80, 137-146	4.7	33
98	A model for pushover analysis of confined masonry structures: implementation and validation. <i>Bulletin of Earthquake Engineering</i> , 2013 , 11, 2133-2150	3.7	33
97	Nonlinear Discrete Homogenized Model for Out-of-Plane Loaded Masonry Walls. <i>Journal of Structural Engineering</i> , 2017 , 143, 04017099	3	32
96	Engineering simulations of a super-complex cultural heritage building: Ica Cathedral in Peru. <i>Meccanica</i> , 2018 , 53, 1931-1958	2.1	31
95	Masonry compression: a numerical investigation at the meso-level. <i>Engineering Computations</i> , 2006 , 23, 382-407	1.4	30
94	Rigid block and spring homogenized model (HRBSM) for masonry subjected to impact and blast loading. <i>International Journal of Impact Engineering</i> , 2017 , 109, 14-28	4	28
93	Homogenized rigid-plastic model for masonry walls subjected to impact. <i>International Journal of Solids and Structures</i> , 2009 , 46, 4133-4149	3.1	28
92	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	10	28
91	Nonlinear Modelling of Curved Masonry Structures after Seismic Retrofit through FRP Reinforcing. <i>Buildings</i> , 2017 , 7, 79	3.2	27
90	Pushover analysis of unreinforced irregular masonry buildings: Lessons from different modeling approaches. <i>Engineering Structures</i> , 2020 , 218, 110830	4.7	24

89	Characterization of the response of quasi-periodic masonry: Geometrical investigation, homogenization and application to the Guimarães castle, Portugal. <i>Engineering Structures</i> , 2013 , 56, 621-641	4.7	24
88	Evaluation of the bond performance in FRP/Brick components re-bonded after initial delamination. <i>Composite Structures</i> , 2015 , 123, 271-281	5.3	24
87	Masonry infill walls under blast loading using confined underwater blast wave generators (WBWG). <i>Engineering Structures</i> , 2015 , 92, 69-83	4.7	24
86	Simulation of the in-plane structural behavior of unreinforced masonry walls and buildings using DEM. <i>Structures</i> , 2020 , 27, 2274-2287	3.4	24
85	Out-of-plane behavior of stone masonry walls: Experimental and numerical analysis. <i>Construction and Building Materials</i> , 2018 , 179, 430-452	6.7	24
84	Rapid post-earthquake damage localization and quantification in masonry structures through multidimensional non-linear seismic IDA. <i>Engineering Structures</i> , 2020 , 219, 110841	4.7	23
83	Methods and Challenges for the Seismic Assessment of Historic Masonry Structures. <i>International Journal of Architectural Heritage</i> , 2016 , 1-18	2.1	23
82	Experimental analysis of the carbonation and humidity diffusion processes in aerial lime mortar. <i>Construction and Building Materials</i> , 2017 , 148, 38-48	6.7	21
81	Modal analysis of historical masonry structures: Linear perturbation and software benchmarking. <i>Construction and Building Materials</i> , 2018 , 189, 1232-1250	6.7	21
80	Non-linear static behaviour of ancient free-standing stone columns. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2017 , 170, 406-418	0.9	20
79	Effectiveness of seismic retrofitting of a historical masonry structure: K�ahya Kur�nlu Mosque, Turkey. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 3365-3395	3.7	20
78	A parametric investigation on the seismic capacity of masonry cross vaults. <i>Engineering Structures</i> , 2017 , 148, 686-703	4.7	20
77	A DEM based tool for the safety analysis of masonry gravity dams. <i>Engineering Structures</i> , 2014 , 59, 248-260	4.6	20
76	Derivation of the out-of-plane behaviour of masonry through homogenization strategies: Micro-scale level. <i>Computers and Structures</i> , 2018 , 209, 30-43	4.5	20
75	Accelerated Hygrothermal Aging of Bond in FRP/Masonry Systems. <i>Journal of Composites for Construction</i> , 2015 , 19, 04014051	3.3	19
74	Numerically based proposals for the stiffness and strength of masonry infills with openings in reinforced concrete frames. <i>Earthquake Engineering and Structural Dynamics</i> , 2016 , 45, 869-891	4	19
73	Design and Analysis of Cross Vaults Along History. <i>International Journal of Architectural Heritage</i> , 2016 , 10, 841-856	2.1	19
72	Masonry Compressive Strength Prediction Using Artificial Neural Networks. <i>Communications in Computer and Information Science</i> , 2019 , 200-224	0.3	18

71	Hygrothermal durability of bond in FRP-strengthened masonry. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014 , 47, 2039-2050	3.4	18
70	Experimental seismic performance assessment of asymmetric masonry buildings. <i>Engineering Structures</i> , 2018 , 155, 298-314	4.7	16
69	Discontinuum analysis of the fracture mechanism in masonry prisms and wallettes via discrete element method. <i>Meccanica</i> , 2020 , 55, 505-523	2.1	15
68	Seismic Structural Assessment of the Christchurch Catholic Basilica, New Zealand. <i>Structures</i> , 2018 , 15, 115-130	3.4	14
67	Efficiency and Cost-Benefit Analysis of Seismic Strengthening Techniques for Old Residential Buildings in Lisbon. <i>Journal of Earthquake Engineering</i> , 2018 , 22, 1590-1625	1.8	13
66	Assessment of Compressive Behavior of Concrete Masonry Prisms Partially Filled by General Mortar. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 04014068	3	13
65	Study of the Seismic Behavior of the Old Municipal Chambers Building in Christchurch, New Zealand. <i>Journal of Earthquake Engineering</i> , 2013 , 17, 350-377	1.8	13
64	A matrix formulation for the elastoplastic homogenisation of layered materials. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1996 , 1, 273-294		13
63	Structural health monitoring of civil engineering structures by using the internet of things: A review. <i>Journal of Building Engineering</i> , 2022 , 48, 103954	5.2	13
62	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	2.6	13
61	Numerical study on the performance of improved masonry-to-timber connections in traditional masonry buildings. <i>Engineering Structures</i> , 2014 , 80, 501-513	4.7	12
60	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	4	11
59	In-Plane Static Response of Dry-Joint Masonry Arch-Pier Structures 2019 ,		11
58	Simple Homogenized Model for the Nonlinear Analysis of FRP-Strengthened Masonry Structures. I: Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 59-76	2.4	10
57	Automated long-term dynamic monitoring using hierarchical clustering and adaptive modal tracking: validation and applications. <i>Journal of Civil Structural Health Monitoring</i> , 2018 , 8, 791-808	2.9	10
56	Effect of Environmental Aging on the Numerical Response of FRP-Strengthened Masonry Walls. <i>Journal of Structural Engineering</i> , 2016 , 142, 04015087	3	9
55	Traditional techniques for the rehabilitation and protection of historic earthen structures: The seismic retrofitting project. <i>International Journal of Architectural Heritage</i> , 2019 , 13, 15-32	2.1	9
54	Characterization of a Compatible Low Cost Strengthening Solution Based on the TRM Technique for Rammed Earth. <i>Key Engineering Materials</i> , 2017 , 747, 150-157	0.4	9

53	Soft computing-based models for the prediction of masonry compressive strength. <i>Engineering Structures</i> , 2021 , 248, 113276	4-7	9
52	Diagnosis and Seismic Behavior Evaluation of the Church of S ^o Miguel de Refojos (Portugal). <i>Buildings</i> , 2019 , 9, 138	3-2	8
51	Safety analysis of modern heritage masonry buildings: Box-buildings in Recife, Brazil. <i>Engineering Structures</i> , 2014 , 80, 222-240	4-7	8
50	Numerical analysis of concrete block masonry beams under three point bending. <i>Engineering Structures</i> , 2011 , 33, 3226-3237	4-7	8
49	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	4-7	8
48	Quantification of impact of lime on mechanical behaviour of lime cement blended mortars for bedding joints in masonry systems. <i>Construction and Building Materials</i> , 2019 , 229, 116884	6-7	7
47	Simulation of Shake Table Tests on Out-of-Plane Masonry Buildings. Part (IV): Macro and Micro FEM Based Approaches. <i>International Journal of Architectural Heritage</i> , 2016 , 1-15	2-1	7
46	Numerical modelling and parametric analysis of bond strength of masonry members retrofitted with FRP. <i>Construction and Building Materials</i> , 2014 , 73, 713-727	6-7	7
45	Experimental and numerical analysis of RC structure with two leaf cavity wall subjected to shake table. <i>Structural Engineering and Mechanics</i> , 2015 , 55, 1037-1053		7
44	Overview on the Nonlinear Static Procedures and Performance-Based Approach on Modern Unreinforced Masonry Buildings with Structural Irregularity. <i>Buildings</i> , 2021 , 11, 147	3-2	7
43	Environmental and Ambient Vibration Monitoring of Historical Adobe Buildings: Applications in Emblematic Andean Churches. <i>International Journal of Architectural Heritage</i> , 2019 , 1-17	2-1	6
42	Seismic Vulnerability of Existing Masonry Buildings: Nonlinear Parametric Analysis. <i>Computational Methods in Applied Sciences (Springer)</i> , 2015 , 139-164	0-4	6
41	Tensile Fracture Mechanism of Masonry Wallettes Parallel to Bed Joints: A Stochastic Discontinuum Analysis. <i>Modelling</i> , 2020 , 1, 78-93	2-5	6
40	Learning from Failure of a Long Curved Veneer Wall: Structural Analysis and Repair. <i>Journal of Performance of Constructed Facilities</i> , 2013 , 27, 53-64	2	5
39	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	4-7	5
38	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	1	5
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	1-8	5
36	Experimental and numerical analysis on the structural fire behaviour of three-cell hollowed concrete masonry walls. <i>Engineering Structures</i> , 2021 , 228, 111439	4-7	5

35	Vibration-Based Damage Detection in Historical Adobe Structures: Laboratory and Field Applications. <i>International Journal of Architectural Heritage</i> , 2019 , 13, 1005-1028	2.1	4
34	Three-dimensional elastic properties of masonry by mechanics of structure gene. <i>International Journal of Solids and Structures</i> , 2020 , 191-192, 202-211	3.1	4
33	Numerical analysis and experimental characterisation of brick masonry. <i>International Journal of Masonry Research and Innovation</i> , 2020 , 5, 321	1.2	4
32	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	5.2	4
31	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	2.1	4
30	Seismic vulnerability of masonry churches in Abruzzi region, Italy. <i>Structures</i> , 2021 , 32, 662-680	3.4	4
29	Out-of-plane loaded masonry walls retrofitted with oriented strand boards: Numerical analysis and influencing parameters. <i>Engineering Structures</i> , 2021 , 243, 112683	4.7	4
28	Finite element based micro modelling of masonry walls subjected to fire exposure: Framework validation and structural implications. <i>Engineering Structures</i> , 2020 , 213, 110545	4.7	3
27	Design Parameters for Seismically Retrofitted Masonry-to-Timber Connections: Injection Anchors. <i>International Journal of Architectural Heritage</i> , 2015 ,	2.1	3
26	Seismic appraisal of heritage ruins: The case study of the St. Mary of Carmel church in Cyprus. <i>Engineering Structures</i> , 2020 , 224, 111209	4.7	3
25	Normal and tangential behaviour of dry joints in refractory masonry. <i>Engineering Structures</i> , 2021 , 243, 112600	4.7	3
24	Nonlinear Dynamic Analysis for Safety Assessment of Heritage Buildings: Church of Santa Maria de Belh. <i>Journal of Structural Engineering</i> , 2019 , 145, 04019153	3	2
23	Structural assessment of a masonry vault in Portugal. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2015 , 168, 915-929	0.9	2
22	Homogenization and Seismic Assessment: Review and Recent Trends. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2014 , 293-341	0.6	2
21	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	0.9	2
20	In-plane behaviour of rubble stone masonry walls: Experimental, numerical and analytical approach. <i>Construction and Building Materials</i> , 2021 , 271, 121548	6.7	2
19	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, 04020146	2	2
18	Linear and non-linear FEM analyses to assess a shear flat-jack test for masonries. <i>Journal of Building Engineering</i> , 2021 , 43, 103169	5.2	2

17	On the Use of Web Mapping Platforms to Support the Seismic Vulnerability Assessment of Old Urban Areas. <i>Remote Sensing</i> , 2022 , 14, 1424	5	2
16	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	4.7	2
15	Technologies for Seismic Retrofitting and Strengthening of Earthen and Masonry Structures: Assessment and Application. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2018 , 501-518	0.2	1
14	Application of Acoustic Emission Technique for Bond Characterization in FRP-Masonry Systems. <i>Key Engineering Materials</i> , 2014 , 624, 534-541	0.4	1
13	FE homogenised limit analysis model for masonry structures. <i>Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics</i> , 2011 , 164, 65-78	0.3	1
12	Structural Performance of the Esfahan Shah Mosque. <i>Journal of Structural Engineering</i> , 2021 , 147, 05021006	10.06	1
11	Sustainability and Cultural Heritage Buildings 2015 , 53-68		0
10	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	3.4	0
9	An experimental and numerical contribution for understanding the in-situ shear behaviour of unreinforced masonry. <i>Journal of Building Engineering</i> , 2021 , 44, 103389	5.2	0
8	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	2.6	0
7	Dynamic Behaviour Analysis of an English-Bond Masonry Prototype Using a Homogenized-Based Discrete FE Model. <i>RILEM Bookseries</i> , 2019 , 966-974	0.5	
6	Seismic assessment of metallic neo-gothic church: Deterioration and safety of early structural design. <i>Structures</i> , 2022 , 36, 330-343	3.4	
5	Tensile and Bond Characterization of Natural Fibers Embedded in Inorganic Matrices. <i>RILEM Bookseries</i> , 2016 , 305-314	0.5	
4	Numerical Modelling of Adobe Structures. <i>Building Pathology and Rehabilitation</i> , 2021 , 211-242	0.2	
3	Nondestructive testing, assessment, and strengthening for reducing the seismic vulnerability of masonry structures 2021 , 123-146		
2	In-plane Behavior of Concrete Sandwich Panels Bounded by Steel Frames: A Numerical Analysis Approach. <i>International Journal of Civil Engineering</i> , 1	1.9	
1	Tensile Behavior of Textile-Reinforced Mortar: Influence of the Number of Layers and their Arrangement. <i>Key Engineering Materials</i> , 916 , 91-97	0.4	