

# Gabriele Milani

## List of Publications by Year in descending order

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416  
papers

10,052  
citations

36203

51  
h-index

69108

77  
g-index

423  
all docs

423  
docs citations

423  
times ranked

2354  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Nonlinear modeling of the seismic response of masonry structures: critical review and open issues towards engineering practice. Bulletin of Earthquake Engineering, 2022, 20, 1939-1997.	2.3	37
3	Nonlinear finite and discrete element simulations of multi-storey masonry walls. Bulletin of Earthquake Engineering, 2022, 20, 2219-2244.	2.3	16
4	The behavior mapping of masonry arches subjected to lumped deformations. Construction and Building Materials, 2022, 319, 126069.	3.2	9
5	A FE-Based Macro-Element for the Assessment of Masonry Structures: Linear Static, Vibration, and Non-Linear Cyclic Analyses. Applied Sciences (Switzerland), 2022, 12, 1248.	1.3	15
6	Vulcanization degree influence on the mechanical properties of Fiber Reinforced Elastomeric Isolators made with reactivated EPDM. Polymer Testing, 2022, 108, 107496.	2.3	6
7	Reinforced Concrete Infilled Frames. Encyclopedia, 2022, 2, 473-485.	2.4	0
8	Simple approach to evaluate the influence of seismic residual displacements on post-liquefaction settlements of RC-frames. Structures, 2022, 37, 411-425.	1.7	2
9	Shear capacity assessment of dry joint masonry panels through tilting tests: Experimental test and numerical representation. AIP Conference Proceedings, 2022, , .	0.3	0
10	Simplified micro-modeling of partially-grouted reinforced masonry shear walls of hollow concrete blocks. AIP Conference Proceedings, 2022, , .	0.3	0
11	Behavior of existing structures under earthquakes: Advancements in analysis methods and retrofitting systems. AIP Conference Proceedings, 2022, , .	0.3	3
12	Different strategies for the numerical modeling of TRM-reinforced arches. AIP Conference Proceedings, 2022, , .	0.3	0
13	A micro-modeling approach applied to the TRM debonding on concave masonry substrates. AIP Conference Proceedings, 2022, , .	0.3	0
14	Numerical simulations of the vulcanization process of a low cost elastomeric seismic isolator. AIP Conference Proceedings, 2022, , .	0.3	0
15	Innovative computation of 3d M-N domain from cross-section graphic analysis. AIP Conference Proceedings, 2022, , .	0.3	0
16	Adaptative limit analysis of N-plane loaded partially grouted reinforced masonry shear walls. AIP Conference Proceedings, 2022, , .	0.3	0
17	Fast 3D adaptive limit analysis of masonry arch bridges interacting with backfill. AIP Conference Proceedings, 2022, , .	0.3	0
18	Joint Stiffness Influence on the First-Order Seismic Capacity of Dry-Joint Masonry Structures: Numerical DEM Investigations. Applied Sciences (Switzerland), 2022, 12, 2108.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Experimental characterization of the textile-to-mortar bond through distributed optical sensors. Construction and Building Materials, 2022, 326, 126640.	3.2	18
20	Seismic performance of Unbonded Fiber-Reinforced Elastomeric Isolators (UFREI) made by recycled rubber. Influence of suboptimal crosslinking. Engineering Structures, 2022, 256, 114038.	2.6	9
21	A vulnerability index based-approach for the historical centre of the city of Latronico (Potenza, Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	1.8	25
22	Recent Advances on the Mechanics of Masonry Structures. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	0
23	Combined Adaptive Limit Analysis and Discrete FE Approach for the Structural Assessment of Skew Arches. Lecture Notes in Civil Engineering, 2022, , 444-451.	0.3	0
24	Preliminary study on a novel Optimal Placed Sensors method based on Genetic Algorithm.. Journal of Physics: Conference Series, 2022, 2204, 012038.	0.3	1
25	A novel fast and low-cost masonry monitoring strategy and application on arches. Journal of Physics: Conference Series, 2022, 2204, 012049.	0.3	0
26	Simulation and Fast vulnerability analysis of a Chinese masonry pagoda. Journal of Physics: Conference Series, 2022, 2204, 012046.	0.3	0
27	Simple lower bound limit analysis model for masonry double curvature structures. Computers and Structures, 2022, 269, 106831.	2.4	12
28	A novel Lower Bound Limit Analysis model with hexahedron elements for the failure analysis of laboratory and thin infill masonry walls in two-way bending. Engineering Structures, 2022, 265, 114449.	2.6	1
29	Simple model with in-parallel elasto-fragile trusses to characterize debonding on FRP-reinforced flat substrates. Composite Structures, 2022, 296, 115874.	3.1	5
30	Model Updating of Historical Belfries Based on Oma Identification Techniques. International Journal of Architectural Heritage, 2021, 15, 132-156.	1.7	60
31	Relation between activation energy and induction in rubber sulfur vulcanization: An experimental study. Journal of Applied Polymer Science, 2021, 138, 50073.	1.3	18
32	A micro-modeling approach for the prediction of TRM bond performance on curved masonry substrates. Composite Structures, 2021, 256, 113065.	3.1	7
33	Procedure for the numerical characterization of the local bond behavior of FRCM. Composite Structures, 2021, 258, 113404.	3.1	11
34	Numerical study on rubber compounds made of reactivated ethylene propylene diene monomer for fiber reinforced elastomeric isolators. Polymer Engineering and Science, 2021, 61, 258-277.	1.5	17
35	Tilting plane tests for the ultimate shear capacity evaluation of perforated dry joint masonry panels. Part II: Numerical analyses. Engineering Structures, 2021, 228, 111460.	2.6	13
36	Advanced Seismic Assessment of Four Masonry Bell Towers in Italy after Operational Modal Analysis (OMA) Identification. International Journal of Architectural Heritage, 2021, 15, 157-186.	1.7	37

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37	Preface: Experimental and Computational Assessment of the Nonlinear Response of Heterogeneous Structures and Multiphase Systems, at Different Scales. AIP Conference Proceedings, 2021, , .	0.3	0
38	Three-dimensional analysis of masonry vaults subjected to differential settlements. AIP Conference Proceedings, 2021, , .	0.3	1
39	Numerical validation of a heterogeneous FE approach for the analysis of TRM debonding on curved masonry substrates. AIP Conference Proceedings, 2021, , .	0.3	1
40	Structural Health Monitoring of Architectural Heritage: From the past to the Future Advances. International Journal of Architectural Heritage, 2021, 15, 1-4.	1.7	15
41	Adaptive NURBS based local failure analyses of retrofitted masonry aggregates. AIP Conference Proceedings, 2021, , .	0.3	4
42	An iterative rectification procedure analysis for historical timber frames: Application to a cultural heritage Chinese Pavilion. Engineering Structures, 2021, 227, 111415.	2.6	4
43	Discontinuous approaches for nonlinear dynamic analyses of an ancient masonry tower. Engineering Structures, 2021, 230, 111626.	2.6	57
44	Creating the finite element mesh of non-periodic masonry from the measurement of its geometrical characteristics: a novel automated procedure. Acta IMEKO (2012), 2021, 10, 23.	0.4	0
45	SHM of a severely cracked masonry arch bridge in India: Experimental campaign and adaptive NURBS limit analysis numerical investigation. Construction and Building Materials, 2021, 280, 122490.	3.2	18
46	FE vs. DE Modeling for the Nonlinear Dynamics of a Historic Church in Central Italy. Geosciences (Switzerland), 2021, 11, 189.	1.0	27
47	Modeling of FRCM strengthening systems externally applied on curved masonry substrates. Engineering Structures, 2021, 233, 111895.	2.6	8
48	Simplified micro-modeling of partially-grouted reinforced masonry shear walls with bed-joint reinforcement: Implementation and validation. Engineering Structures, 2021, 234, 111987.	2.6	17
49	Numerical Study of the In-Plane Seismic Response of RC Infilled Frames. Construction Materials, 2021, 1, 82-94.	0.5	1
50	Detailed micro-modeling of partially grouted reinforced masonry shear walls: extended validation and parametric study. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	1.9	12
51	Quasi-static testing of concrete masonry shear walls with different horizontal reinforcement schemes. Journal of Building Engineering, 2021, 38, 102201.	1.6	9
52	NURBS upper bound prey-predator scheme for collapse analysis of masonry vaults. Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics, 2021, 174, 82-95.	0.4	3
53	Numerical study of the bond behavior of DMF systems. Structures, 2021, 31, 921-939.	1.7	1
54	Dynamic damage identification for a full-scale parabolic tuff barrel vault under differential settlements of the supports. Construction and Building Materials, 2021, 291, 123271.	3.2	10

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55	Internet of Things (IoT) for masonry structural health monitoring (SHM): Overview and examples of innovative systems. <i>Construction and Building Materials</i> , 2021, 290, 123092.	3.2	46
56	Tilting plane tests for the ultimate shear capacity evaluation of perforated dry joint masonry panels. Part I: Experimental tests. <i>Engineering Structures</i> , 2021, 238, 112124.	2.6	2
57	Comprehensive Evaluation Method of Historical Timber Structural Building Taking Fujiu Zhou House as an Example. <i>Forests</i> , 2021, 12, 1172.	0.9	4
58	A two-step automated procedure based on adaptive limit and pushover analyses for the seismic assessment of masonry structures. <i>Computers and Structures</i> , 2021, 252, 106561.	2.4	8
59	A Multi-Pier-Macro MPM method for the progressive failure analysis of perforated masonry walls in-plane loaded. <i>Engineering Failure Analysis</i> , 2021, 127, 105528.	1.8	16
60	Modelling the experimental seismic out-of-plane two-way bending response of unreinforced periodic masonry panels using a non-linear discrete homogenized strategy. <i>Engineering Structures</i> , 2021, 242, 112524.	2.6	15
61	A Rigid-Beam-Model for studying the dynamic behaviour of cantilever masonry walls. <i>Structures</i> , 2021, 33, 2950-2963.	1.7	3
62	Mechanical model based on a BVP for FRPs applied on flat and curved masonry pillars with anchor spikes. <i>Composite Structures</i> , 2021, 273, 114251.	3.1	4
63	Debonding mechanism of FRP strengthened flat surfaces: Analytical approach and closed form solution. <i>Construction and Building Materials</i> , 2021, 302, 124144.	3.2	13
64	Longhu pagoda: Advanced numerical investigations for assessing performance at failure under horizontal loads. <i>Engineering Structures</i> , 2021, 244, 112715.	2.6	5
65	Influence of Stereotomy on Discrete Approaches Applied to an Ancient Church in Muccia, Italy. <i>Journal of Engineering Mechanics - ASCE</i> , 2021, 147, .	1.6	21
66	Advanced Modeling of a Historical Masonry Umbrella Vault: Settlement Analysis and Crack Tracking via Adaptive NURBS Kinematic Analysis. <i>Journal of Engineering Mechanics - ASCE</i> , 2021, 147, .	1.6	5
67	Three-dimensional adaptive limit analysis of masonry arch bridges interacting with the backfill. <i>Engineering Structures</i> , 2021, 248, 113189.	2.6	11
68	A novel genetic algorithm homogeneous approach for the in-plane analysis of masonry walls subjected to settlements. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	1
69	Experimental study on rubber compounds made of reactivated EPDM for fiber reinforced elastomeric isolators. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	5
70	The 2016 Central Italy seismic sequence: linear and non-linear interpretation models for damage evolution in S. Agostino's church in Amatrice. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 1467-1507.	2.3	5
71	Seismic vulnerability assessment of Longhu Pagoda, Sichuan, China. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
72	A two-step procedure for the numerical analysis of curved masonry structures. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	1

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73	Modelling of unreinforced periodic masonry panels tested under two-way bending via a non-linear discrete homogenized strategy. AIP Conference Proceedings, 2021, , .	0.3	1
74	Validation of a detailed micro-modeling approach for in-plane loaded partially-grouted reinforced masonry shear walls. AIP Conference Proceedings, 2021, , .	0.3	2
75	The effect of ground motion vertical component on the seismic response of historical masonry buildings: The case study of the Banloc Castle in Romania. Engineering Structures, 2021, 249, 113346.	2.6	30
76	A Multi-Pier-Macro MPM method for the progressive failure analysis of full scale walls in two way bending. Engineering Failure Analysis, 2021, 131, 105862.	1.8	0
77	A Comprehensive Analysis Structure for the Design of Masonry Arches. Open Civil Engineering Journal, 2021, 15, 381-397.	0.4	0
78	Seismic capacity and multi-mechanism analysis for dry-stack masonry arches subjected to hinge control. Bulletin of Earthquake Engineering, 2020, 18, 673-724.	2.3	27
79	Guest editorial for the special issue of selected and extended papers presented at the 10th International Masonry Conference. Bulletin of Earthquake Engineering, 2020, 18, 423-426.	2.3	0
80	A fast modeling approach for numerical analysis of unreinforced and FRCM reinforced masonry walls under out-of-plane loading. Composites Part B: Engineering, 2020, 180, 107553.	5.9	62
81	Modeling Strategies for the Computational Analysis of Unreinforced Masonry Structures: Review and Classification. Archives of Computational Methods in Engineering, 2020, 27, 1153-1185.	6.0	245
82	Masonry structures in the presence of foundation settlements and unilateral contact problems. International Journal of Solids and Structures, 2020, 191-192, 187-201.	1.3	37
83	Theoretical model for the study of the tensile behavior of FRCM reinforcements. Construction and Building Materials, 2020, 236, 117617.	3.2	20
84	Seismic vulnerability of masonry buildings: Numerical insight on damage causes for residential buildings by the 2016 central Italy seismic sequence and evaluation of strengthening techniques. Journal of Building Engineering, 2020, 28, 101081.	1.6	17
85	Automatic mesh generator for the non-linear homogenized analysis of double curvature masonry structures. Advances in Engineering Software, 2020, 150, 102919.	1.8	12
86	Heterogeneous FE model for single lap shear tests on FRP reinforced masonry curved pillars with spike anchors. Construction and Building Materials, 2020, 258, 119629.	3.2	15
87	Vulnerability assessment of masonry aggregates through an automated NURBS-based limit analysis approach. AIP Conference Proceedings, 2020, , .	0.3	2
88	Bond behaviour of FRP strengthening applied on curved masonry substrates: numerical study. International Journal of Masonry Research and Innovation, 2020, 5, 303.	0.3	8
89	Seismic performance of a masonry house prototype retrofitted using FRP. AIP Conference Proceedings, 2020, , .	0.3	1
90	A Multi-Pier MP method for the non-linear static analysis of out-of-plane loaded masonry walls. Engineering Structures, 2020, 223, 111040.	2.6	7

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91	Simple bisection procedure in quickly convergent explicit ODE solver to numerically analyze FRCM strengthening systems. <i>Composites Part B: Engineering</i> , 2020, 199, 108322.	5.9	14
92	Three-dimensional discrete element modelling of rubble masonry structures from dense point clouds. <i>Automation in Construction</i> , 2020, 119, 103365.	4.8	24
93	Work-Path Approach Seismic Modelling of Hinge-Controlled Masonry Arches. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2020, , 1-36.	0.4	1
94	Rubber compounds made of reactivated EPDM for fiber-reinforced elastomeric isolators: an experimental study. <i>Iranian Polymer Journal (English Edition)</i> , 2020, 29, 1031-1043.	1.3	19
95	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
96	Vulcanization of regenerated rubber pads for seismic base isolation of low rise masonry buildings. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
97	Seismic response evaluation of ten tuff masonry churches with basilica plan through advanced numerical simulations. <i>International Journal of Masonry Research and Innovation</i> , 2020, 5, 1.	0.3	4
98	Failure analysis of a Portuguese cultural heritage masterpiece: Bonet building in Sintra. <i>Engineering Failure Analysis</i> , 2020, 115, 104636.	1.8	27
99	A Multi-Pier MP procedure for the non-linear analysis of in-plane loaded masonry walls. <i>Engineering Structures</i> , 2020, 212, 110534.	2.6	18
100	Modeling of the Tensile Behavior FRCM Systems for Repair and Strengthening Interventions of Masonry Structures. <i>Frontiers in Built Environment</i> , 2020, 6, .	1.2	5
101	A numerical procedure for the force-displacement description of out-of-plane collapse mechanisms in masonry structures. <i>Computers and Structures</i> , 2020, 233, 106234.	2.4	8
102	Advanced numerical analyses by the Non-Smooth Contact Dynamics method of an ancient masonry bell tower. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 7706-7725.	1.2	32
103	Development of an interface numerical model for C-FRPs applied on flat and curved masonry pillars. <i>Composite Structures</i> , 2020, 241, 112074.	3.1	21
104	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
105	Numerical simulation of the tensile behavior of FRCM strengthening systems. <i>Composites Part B: Engineering</i> , 2020, 189, 107886.	5.9	26
106	3D voxel homogenized limit analysis of single-leaf non-periodic masonry. <i>Computers and Structures</i> , 2020, 229, 106186.	2.4	14
107	Fast brick-based homogenized limit analysis for in- and out-of-plane loaded periodic masonry panels. <i>Computers and Structures</i> , 2020, 231, 106206.	2.4	4
108	3D homogenized limit analysis of non-periodic multi-leaf masonry walls. <i>Computers and Structures</i> , 2020, 234, 106253.	2.4	13

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109	ANUB-Aggregates: a fully automatic NURBS-based software for advanced local failure analyses of historical masonry aggregates. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 3935-3961.	2.3	38
110	Advanced numerical strategies for seismic assessment of historical masonry aggregates. <i>Engineering Structures</i> , 2020, 212, 110441.	2.6	46
111	Efficient meta-heuristic mesh adaptation strategies for NURBS upper-bound limit analysis of curved three-dimensional masonry structures. <i>Computers and Structures</i> , 2020, 236, 106271.	2.4	30
112	Experimental and numerical analyses of unreinforced masonry wall components and building. <i>Construction and Building Materials</i> , 2020, 257, 119599.	3.2	22
113	A Genetic Algorithm adaptive homogeneous approach for evaluating settlement-induced cracks in masonry walls. <i>Engineering Structures</i> , 2020, 221, 111073.	2.6	28
114	Limit analysis of masonry arch bridges through an adaptive GA-NURBS upper-bound approach. <i>International Journal of Masonry Research and Innovation</i> , 2020, 5, 538.	0.3	9
115	Crumbling of Amatrice clock tower during 2016 Central Italy seismic sequence: Advanced numerical insights. <i>Frattura Ed Integrita Strutturale</i> , 2020, 14, 313-335.	0.5	24
116	NURBS-based kinematic limit analysis of FRP-reinforced masonry walls with out-of-plane loading. <i>Frattura Ed Integrita Strutturale</i> , 2020, 14, 9-23.	0.5	1
117	Numerical Analysis of the Bond Behavior of FRP Applied to Masonry Curved Substrates with Anchor Spikes. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 2149-2161.	0.3	2
118	An Experimental Study on the Effectiveness of CFRP Reinforcements Applied to Curved Masonry Pillars. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 2134-2148.	0.3	2
119	ADAPTIVE LIMIT ANALYSIS OF HISTORICAL MASONRY STRUCTURES MODELED AS NURBS SOLIDS. , 2020, , .		1
120	A simple homogenization approach for masonry structures: A discrete approach extension from walls to curved structures. , 2020, , 875-881.		0
121	Non-linear dynamic joint selection strategy for Hinge controlled masonry arches. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
122	Fast seismic vulnerability evaluation of Wenfeng Pagoda in Yangzhou, PRC. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
123	Automatic CAD kinematic limit analysis approach for the limit analysis of masonry towers. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
124	Out-of-plane homogenized failure surfaces of masonry through a novel voxel approach. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
125	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
126	Damage survey, simplified assessment, and advanced seismic analyses of two masonry churches after the 2012 Emilia earthquake. <i>International Journal of Architectural Heritage</i> , 2019, 13, 901-924.	1.7	39



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127	Effectiveness of different base isolation systems for seismic protection: Numerical insights into an existing masonry bell tower. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 125, 105752.	1.9	41
128	Non-linear homogenized and heterogeneous Fe models for FRCM reinforced masonry walls out-of-plane loaded. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
129	Hybrid seismic base isolation of a historical masonry church using unbonded fiber reinforced elastomeric isolators and shape memory alloy wires. <i>Engineering Structures</i> , 2019, 196, 109281.	2.6	41
130	Collapse behavior of masonry domes under seismic loads: An adaptive NURBS kinematic limit analysis approach. <i>Engineering Structures</i> , 2019, 200, 109517.	2.6	60
131	3D limit analysis voxel approach for the homogenization of masonry with irregular bond. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
132	Damage assessment by the non-smooth contact dynamics method of the iconic crumbling of the clock tower in Amatrice after the 2016 Central Italy seismic sequence. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
133	Experimentation and numerical modelling of recycled rubber pads for seismic isolation under accelerated ageing. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	5
134	Fast Vulnerability Evaluation of Masonry Towers by Means of an Interactive and Adaptive 3D Kinematic Limit Analysis with Pre-assigned Failure Mechanisms. <i>International Journal of Architectural Heritage</i> , 2019, 13, 941-962.	1.7	22
135	Multi-tiered Nepalese temples: Advanced numerical investigations for assessing performance at failure under horizontal loads. <i>Engineering Failure Analysis</i> , 2019, 106, 104172.	1.8	9
136	Numerical kinetic model with regularization for NR&#x2013;PB natural and poly-butadiene rubber blends: implementation and validation against experimental data. <i>Journal of Mathematical Chemistry</i> , 2019, 57, 1019-1034.	0.7	5
137	Damage assessment and collapse investigation of three historical masonry palaces under seismic actions. <i>Engineering Failure Analysis</i> , 2019, 98, 10-37.	1.8	75
138	A review of numerical models for masonry structures. , 2019, , 3-53.		20
139	Seismic assessment of historical masonry structures through advanced nonlinear dynamic simulations: applications to castles, churches, and palaces. , 2019, , 163-200.		4
140	Homogenization limit analysis. , 2019, , 423-467.		1
141	Fiber reinforced polymer strengthened masonry: delamination, experimental and numerical issues. , 2019, , 537-583.		0
142	Homogenization models for nonlinear and limit analysis of FRP-strengthened masonry. , 2019, , 585-627.		1
143	Advanced finite element modeling of textile-reinforced mortar strengthened masonry. , 2019, , 713-743.		1
144	Advanced non-linear numerical modeling of masonry groin vaults of major historical importance: St John Hospital case study in Jerusalem. <i>Engineering Structures</i> , 2019, 194, 458-476.	2.6	42

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145	Seismic Vulnerability Analysis and Retrofitting of the SS. Rosario Church Bell Tower in Finale Emilia (Modena, Italy). <i>Frontiers in Built Environment</i> , 2019, 5, .	1.2	12
146	Curved masonry pillars reinforced with anchored CFRP sheets: An experimental analysis. <i>Composites Part B: Engineering</i> , 2019, 174, 107008.	5.9	25
147	Advanced numerical insights into failure analysis and strengthening of monumental masonry churches under seismic actions. <i>Engineering Failure Analysis</i> , 2019, 103, 410-430.	1.8	50
148	3D-Finite element modeling of lead rubber bearing using high damping material. <i>MATEC Web of Conferences</i> , 2019, 276, 01013.	0.1	3
149	Historical masonry building aggregates: advanced numerical insight for an effective seismic assessment on two row housing compounds. <i>Engineering Structures</i> , 2019, 190, 360-379.	2.6	71
150	Modelling of the bond behaviour of curved masonry specimens strengthened by CFRP with anchor spikes. <i>Composites Part B: Engineering</i> , 2019, 171, 235-245.	5.9	17
151	2D pixel homogenized limit analysis of non-periodic masonry walls. <i>Computers and Structures</i> , 2019, 219, 16-57.	2.4	25
152	Dynamic Behavior of an Inclined Existing Masonry Tower in Italy. <i>Frontiers in Built Environment</i> , 2019, 5, .	1.2	35
153	Numerical modeling of the bond behaviour of FRCM systems externally applied to masonry substrates. <i>Journal of Building Pathology and Rehabilitation</i> , 2019, 4, 1.	0.7	6
154	Earthquake-induced damage assessment and partial failure mechanisms of an Italian Medieval castle. <i>Engineering Failure Analysis</i> , 2019, 99, 292-309.	1.8	55
155	Dynamic behaviour of ancient freestanding multi-drum and monolithic columns subjected to horizontal and vertical excitations. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 120, 39-57.	1.9	26
156	Base seismic isolation of a historical masonry church using fiber reinforced elastomeric isolators. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 120, 127-145.	1.9	43
157	Validation of a two-step simplified compatible homogenisation approach extended to out-plane loaded masonries. <i>International Journal of Masonry Research and Innovation</i> , 2019, 4, 265.	0.3	13
158	Irrecoverable collapse time for a fixed-hinge dry-stack arch under constant horizontal acceleration. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
159	NURBS-Based Upper Bound Limit Analysis of FRP Reinforced Masonry Vaults through an Efficient Mesh Adaptation Scheme. <i>Key Engineering Materials</i> , 2019, 817, 205-212.	0.4	2
160	Some Considerations about the Effects of the Bonding Length on the Effectiveness of Spike Anchors in CFRP Reinforcements of Masonry. <i>Key Engineering Materials</i> , 2019, 817, 141-148.	0.4	3
161	Experimental and Numerical Analysis of FRCM Strengthened Parabolic Tuff Barrel Vault. <i>Key Engineering Materials</i> , 2019, 817, 213-220.	0.4	5
162	Finite Hinge Stiffness and its Effect on the Capacity of a Dry-Stack Masonry Arch Subjected to Hinge Control. <i>Key Engineering Materials</i> , 2019, 817, 259-266.	0.4	1

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163	Experimental and numerical analysis of the effectiveness of FRCM strengthening on a parabolic tuff barrel vault. AIP Conference Proceedings, 2019, , .	0.3	4
164	Voxel approach for 3D in-plane homogenized failure surfaces of non-periodic masonry. AIP Conference Proceedings, 2019, , .	0.3	1
165	Three-dimensional analysis of a damaged masonry arch bridge under horizontal load. AIP Conference Proceedings, 2019, , .	0.3	4
166	An integrated kinetic-Fe vulcanization model to predict the optimal curing of thick rubber pads for applications in seismic isolation. AIP Conference Proceedings, 2019, , .	0.3	1
167	Application of homogenization approaches for modeling of FRCM-strengthened masonry. AIP Conference Proceedings, 2019, , .	0.3	1
168	Full 3D CAD procedure for the speedy evaluation of the seismic vulnerability of masonry towers. AIP Conference Proceedings, 2019, , .	0.3	2
169	Experimental and numerical analysis on an ancient anti-seismic technique. AIP Conference Proceedings, 2019, , .	0.3	0
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