

# Andrea Prota

## List of Publications by Year in descending order

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242  
papers

8,459  
citations

38742

50  
h-index

74163

75  
g-index

252  
all docs

252  
docs citations

252  
times ranked

4260  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental In-Plane Behavior of Tuff Masonry Strengthened with Cementitious Matrixâ€“Grid Composites. Journal of Composites for Construction, 2006, 10, 223-233.	3.2	206
2	Structural Upgrade Using Basalt Fibers for Concrete Confinement. Journal of Composites for Construction, 2010, 14, 541-552.	3.2	192
3	Performance assessment of basalt FRCM for retrofit applications on masonry. Composites Part B: Engineering, 2017, 128, 1-18.	12.0	174
4	Round Robin Test for composite-to-brick shear bond characterization. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1761-1791.	3.1	172
5	In-plane behaviour of tuff masonry strengthened with inorganic matrixâ€“grid composites. Composites Part B: Engineering, 2013, 45, 1657-1666.	12.0	170
6	Structural Evaluation of Full-Scale FRP-Confined Reinforced Concrete Columns. Journal of Composites for Construction, 2011, 15, 112-123.	3.2	154
7	In-plane shear performance of masonry panels strengthened with FRP. Composites Part B: Engineering, 2007, 38, 887-901.	12.0	152
8	Seismic risk assessment of residential buildings in Italy. Bulletin of Earthquake Engineering, 2021, 19, 2999-3032.	4.1	133
9	Numerical simulation of impact tests on GFRP composite laminates. International Journal of Impact Engineering, 2011, 38, 677-685.	5.0	132
10	Empirical fragility curves from damage data on RC buildings after the 2009 Lâ€™Aquila earthquake. Bulletin of Earthquake Engineering, 2017, 15, 1425-1450.	4.1	121
11	Seismic behavior of a full-scale RC frame repaired using CFRP laminates. Engineering Structures, 2005, 27, 769-780.	5.3	117
12	Reconstruction process of damaged residential buildings outside historical centres after the Lâ€™Aquila earthquake: part IIâ€“heavy damageâ€™reconstruction. Bulletin of Earthquake Engineering, 2017, 15, 693-729.	4.1	116
13	Use of geopolymers for composite external reinforcement of RC members. Composites Part B: Engineering, 2013, 45, 1667-1676.	12.0	115
14	The Italian guidelines for seismic risk classification of constructions: technical principles and validation. Bulletin of Earthquake Engineering, 2018, 16, 5905-5935.	4.1	109
15	Reconstruction process of damaged residential buildings outside historical centres after the Lâ€™Aquila earthquake: part Iâ€“light damage" reconstruction. Bulletin of Earthquake Engineering, 2017, 15, 667-692.	4.1	108
16	Experimental characterization of Italian composite adobe bricks reinforced with straw fibers. Composite Structures, 2015, 122, 300-307.	5.8	107
17	In-Plane Lateral Response of a Full-Scale Masonry Subassemblage with and without an Inorganic Matrix-Grid Strengthening System. Journal of Composites for Construction, 2011, 15, 578-590.	3.2	102
18	Experimental Investigation of Exterior RC Beam-Column Joints Retrofitted with FRP Systems. Journal of Composites for Construction, 2014, 18, .	3.2	98

#	ARTICLE	IF	CITATIONS
19	Application-Oriented Chemical Optimization of a Metakaolin Based Geopolymer. <i>Materials</i> , 2013, 6, 1920-1939.	2.9	92
20	FRP Confinement of Tuff and Clay Brick Columns: Experimental Study and Assessment of Analytical Models. <i>Journal of Composites for Construction</i> , 2010, 14, 583-596.	3.2	91
21	Influence of surface roughness on the bond of FRP laminates to concrete. <i>Construction and Building Materials</i> , 2013, 40, 533-542.	7.2	90
22	Analysis of the strain-rate behavior of a basalt fiber reinforced natural hydraulic mortar. <i>Cement and Concrete Composites</i> , 2014, 53, 52-58.	10.7	85
23	Cloud to IDA: Efficient fragility assessment with limited scaling. <i>Earthquake Engineering and Structural Dynamics</i> , 2018, 47, 1124-1147.	4.4	85
24	Experimental Performance of RC Hollow Columns Confined with CFRP. <i>Journal of Composites for Construction</i> , 2007, 11, 42-49.	3.2	81
25	Dynamic behavior of a Mediterranean natural stone under tensile loading. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2009, 46, 514-520.	5.8	76
26	Proposal of a probabilistic model for multi-hazard risk assessment of structures in seismic zones subjected to blast for the limit state of collapse. <i>Structural Safety</i> , 2010, 32, 25-34.	5.3	76
27	Structural behaviour of masonry panels strengthened with an innovative hemp fibre composite grid. <i>Construction and Building Materials</i> , 2015, 100, 111-121.	7.2	76
28	Statistical finite element analysis of the buckling behavior of honeycomb structures. <i>Composite Structures</i> , 2013, 105, 240-255.	5.8	74
29	Modeling of concrete cracking due to corrosion process of reinforcement bars. <i>Cement and Concrete Research</i> , 2015, 71, 78-92.	11.0	74
30	Empirical fragility curves for masonry buildings after the 2009 L'Aquila, Italy, earthquake. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 6301-6330.	4.1	74
31	Damage to churches in the 2016 central Italy earthquakes. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 5763-5790.	4.1	71
32	Seismic strengthening of an under-designed RC structure with FRP. <i>Earthquake Engineering and Structural Dynamics</i> , 2008, 37, 141-162.	4.4	69
33	Multiscale approach for the design of composite sandwich structures for train application. <i>Composite Structures</i> , 2010, 92, 2208-2219.	5.8	68
34	Use of DIC technique for investigating the behaviour of FRCM materials for strengthening masonry elements. <i>Composites Part B: Engineering</i> , 2017, 129, 251-270.	12.0	65
35	Tensile behavior of epoxy based FRP composites under extreme service conditions. <i>Composites Part B: Engineering</i> , 2012, 43, 1468-1474.	12.0	64
36	Nonlinear Behavior of a Masonry Subassembly Before and After Strengthening with Inorganic Matrix-Grid Composites. <i>Journal of Composites for Construction</i> , 2011, 15, 821-832.	3.2	63

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37	Preparation, structure and properties of hybrid materials based on geopolymers and polysiloxanes. <i>Materials and Design</i> , 2015, 87, 82-94.	7.0	63
38	Shake table tests for the seismic fragility evaluation of hospital rooms. <i>Earthquake Engineering and Structural Dynamics</i> , 2015, 44, 23-40.	4.4	61
39	Experimental investigation of the seismic performances of IMG reinforcement on curved masonry elements. <i>Composites Part B: Engineering</i> , 2015, 70, 53-63.	12.0	61
40	Damage assessment and the effectiveness of prevention: the response of ordinary unreinforced masonry buildings in Norcia during the Central Italy 2016-2017 seismic sequence. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 5609-5629.	4.1	61
41	Analysis of FRCM and CRM parameters for the in-plane shear strengthening of different URM types. <i>Composites Part B: Engineering</i> , 2019, 171, 20-33.	12.0	58
42	Numerical assessment of the impact behavior of honeycomb sandwich structures. <i>Composite Structures</i> , 2013, 106, 326-339.	5.8	57
43	Analytical model and design approach for FRP strengthening of non-conforming RC corner beam-column joints. <i>Engineering Structures</i> , 2015, 87, 8-20.	5.3	57
44	FRP for seismic strengthening of shear controlled RC columns: Experience from earthquakes and experimental analysis. <i>Composites Part B: Engineering</i> , 2017, 129, 47-57.	12.0	57
45	Experimental performance of FRCM retrofit on out-of-plane behaviour of clay brick walls. <i>Composites Part B: Engineering</i> , 2018, 148, 198-206.	12.0	56
46	Potential of structural pozzolanic matrix-hemp fiber grid composites. <i>Construction and Building Materials</i> , 2011, 25, 2867-2874.	7.2	55
47	Seismic fragility for Italian RC buildings based on damage data of the last 50 years. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 2023-2059.	4.1	55
48	Unified theory for confinement of RC solid and hollow circular columns. <i>Composites Part B: Engineering</i> , 2008, 39, 1151-1160.	12.0	54
49	Nonlinear Analyses of Tuff Masonry Walls Strengthened with Cementitious Matrix-Grid Composites. <i>Journal of Composites for Construction</i> , 2009, 13, 243-251.	3.2	54
50	Assessment of ecological sustainability of a building subjected to potential seismic events during its lifetime. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 504-515.	4.7	54
51	Nondestructive assessment of corrosion of reinforcing bars through surface concrete cracks. <i>Structural Concrete</i> , 2017, 18, 104-117.	3.1	54
52	Estimation of repair costs for RC and masonry residential buildings based on damage data collected by post-earthquake visual inspection. <i>Bulletin of Earthquake Engineering</i> , 2017, 15, 1681-1706.	4.1	53
53	Rocking response assessment of in-plane laterally-loaded masonry walls with openings. <i>Engineering Structures</i> , 2013, 56, 1234-1248.	5.3	51
54	Seismic Retrofit of Real Beam-Column Joints Using Fiber-Reinforced Cement Composites. <i>Journal of Structural Engineering</i> , 2018, 144, .	3.4	51

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55	Experimental characterization of phenolic-impregnated honeycomb sandwich structures for transportation vehicles. <i>Composite Structures</i> , 2011, 93, 2910-2924.	5.8	50
56	Damage-dependent vulnerability curves for existing buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2013, 42, 853-870.	4.4	50
57	A decision support system for post-earthquake reliability assessment of structures subjected to aftershocks: an application to L'Aquila earthquake, 2009. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 997-1014.	4.1	49
58	2012 Emilia earthquake, Italy: reinforced concrete buildings response. <i>Bulletin of Earthquake Engineering</i> , 2014, 12, 2275-2298.	4.1	48
59	Simplified seismic assessment of railway masonry arch bridges by limit analysis. <i>Structure and Infrastructure Engineering</i> , 2016, 12, 567-591.	3.7	48
60	Analysis and repair of clustered buildings: Case study of a block in the historic city centre of L'Aquila (Central Italy). <i>Construction and Building Materials</i> , 2013, 38, 1221-1237.	7.2	47
61	Modelling beam-column joints and FRP strengthening in the seismic performance assessment of RC existing frames. <i>Composite Structures</i> , 2016, 142, 107-116.	5.8	47
62	Implications of the spandrel type on the lateral behavior of unreinforced masonry walls. <i>Earthquake Engineering and Structural Dynamics</i> , 2014, 43, 1867-1887.	4.4	46
63	Damages to masonry churches after 2016-2017 Central Italy seismic sequence and definition of fragility curves. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 297-329.	4.1	46
64	Shaking table tests on a full-scale unreinforced and IMG-retrofitted clay brick masonry barrel vault. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 1663-1693.	4.1	45
65	Corrosion effects on seismic capacity of reinforced concrete structures. <i>Corrosion Reviews</i> , 2019, 37, 45-56.	2.0	45
66	EXPERIMENTAL BEHAVIOUR AND NUMERICAL MODELLING OF SMOOTH STEEL BARS UNDER COMPRESSION. <i>Journal of Earthquake Engineering</i> , 2006, 10, 313-329.	2.5	44
67	Seismic Behavior of a Full-Scale RC Structure Retrofitted Using GFRP Laminates. <i>Journal of Structural Engineering</i> , 2008, 134, 810-821.	3.4	44
68	Simplified Model for Strengthening Design of Beam-Column Internal Joints in Reinforced Concrete Frames. <i>Polymers</i> , 2015, 7, 1732-1754.	4.5	44
69	Improved mechanical properties of CFRP laminates at elevated temperatures and freeze-thaw cycling. <i>Construction and Building Materials</i> , 2012, 31, 273-283.	7.2	42
70	Influence of strain rate on the seismic response of RC structures. <i>Engineering Structures</i> , 2012, 35, 29-36.	5.3	42
71	A proposal for plastic hinges modification factors for damaged RC columns. <i>Engineering Structures</i> , 2013, 51, 99-112.	5.3	42
72	A performance-based framework for adaptive seismic aftershock risk assessment. <i>Earthquake Engineering and Structural Dynamics</i> , 2014, 43, 2179-2197.	4.4	42

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73	Collapse analysis of slender masonry barrel vaults. <i>Engineering Structures</i> , 2016, 117, 86-100.	5.3	42
74	Local Strengthening of Reinforced Concrete Structures as a Strategy for Seismic Risk Mitigation at Regional Scale. <i>Earthquake Spectra</i> , 2015, 31, 1083-1102.	3.1	41
75	Life-cycle cost optimization of the seismic retrofit of existing RC structures. <i>Bulletin of Earthquake Engineering</i> , 2017, 15, 2245-2271.	4.1	41
76	Seismic Strengthening of Masonry Vaults with Abutments Using Textile-Reinforced Mortar. <i>Journal of Composites for Construction</i> , 2017, 21, .	3.2	41
77	In-plane shear capacity of tuff masonry walls with traditional and innovative Composite Reinforced Mortars (CRM). <i>Construction and Building Materials</i> , 2019, 210, 289-300.	7.2	41
78	Ultimate behavior of axially loaded RC wall-like columns confined with GFRP. <i>Composites Part B: Engineering</i> , 2006, 37, 670-678.	12.0	40
79	Multi-hazard upgrade decision making for critical infrastructure based on life-cycle cost criteria. <i>Earthquake Engineering and Structural Dynamics</i> , 2011, 40, 1163-1179.	4.4	40
80	Numerical Investigation on the Influence of FRP Retrofit Layout and Geometry on the In-Plane Behavior of Masonry Walls. <i>Journal of Composites for Construction</i> , 2012, 16, 712-723.	3.2	40
81	Experimental Behavior of Nonconforming RC Columns with Plain Bars under Constant Axial Load and Biaxial Bending. <i>Journal of Structural Engineering</i> , 2013, 139, 897-914.	3.4	40
82	Assessment of Eurocode-like design equations for the shear capacity of FRP RC members. <i>Composites Part B: Engineering</i> , 2008, 39, 792-806.	12.0	39
83	Cyclic Behavior of Nonconforming Full-Scale RC Columns. <i>Journal of Structural Engineering</i> , 2014, 140, .	3.4	39
84	Repair of composite-to-masonry bond using flexible matrix. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2563-2580.	3.1	39
85	Experimental In-Plane Shear Capacity of Clay Brick Masonry Panels Strengthened with FRCM and FRM Composites. <i>Journal of Composites for Construction</i> , 2019, 23, 04019038.	3.2	39
86	Repair costs of reinforced concrete building components: from actual data analysis to calibrated consequence functions. <i>Earthquake Spectra</i> , 2020, 36, 353-377.	3.1	39
87	Satellite radar interferometry: Potential and limitations for structural assessment and monitoring. <i>Journal of Building Engineering</i> , 2022, 46, 103756.	3.4	39
88	Assessment of Design Formulas for In-Plane FRP Strengthening of Masonry Walls. <i>Journal of Composites for Construction</i> , 2008, 12, 643-649.	3.2	38
89	Cyclic Behavior of Smooth Steel Reinforcing Bars: Experimental Analysis and Modeling Issues. <i>Journal of Earthquake Engineering</i> , 2009, 13, 500-519.	2.5	38
90	FRP confinement of masonry: analytical modeling. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014, 47, 2101-2115.	3.1	38

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91	Comparative micromechanical assessment of adobe and clay brick masonry assemblages based on experimental data sets. <i>Composite Structures</i> , 2015, 120, 208-220.	5.8	38
92	Response Prediction of RC Beams Externally Bonded with Steel-Reinforced Polymers. <i>Journal of Composites for Construction</i> , 2006, 10, 195-203.	3.2	35
93	Non-linear modeling of RC rectangular hollow piers confined with CFRP. <i>Composite Structures</i> , 2009, 88, 56-64.	5.8	35
94	Comparison of available shear strength models for non-conforming reinforced concrete columns. <i>Engineering Structures</i> , 2017, 148, 312-327.	5.3	35
95	Remarks on damage and response of school buildings after the Central Italy earthquake sequence. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 5679-5700.	4.1	35
96	Modeling of flexural behavior of RC beams strengthened with mechanically fastened FRP strips. <i>Composite Structures</i> , 2011, 93, 1973-1985.	5.8	34
97	Review of methods for the combined assessment of seismic resilience and energy efficiency towards sustainable retrofitting of existing European buildings. <i>Sustainable Cities and Society</i> , 2022, 77, 103556.	10.4	34
98	Strain-Rate Sensitivity of a Pultruded E-Glass/Polyester Composite. <i>Journal of Composites for Construction</i> , 2009, 13, 558-564.	3.2	33
99	Analytical model for the effective strain in FRP-wrapped circular RC columns. <i>Composites Part B: Engineering</i> , 2012, 43, 3208-3218.	12.0	33
100	Aftershock collapse fragility curves for non-ductile RC buildings: a scenario-based assessment. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 2083-2102.	4.4	33
101	Seismic performance of bridges during the 2016 Central Italy earthquakes. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 5729-5761.	4.1	33
102	Influence of free edge stress concentration on effectiveness of FRP confinement. <i>Composites Part B: Engineering</i> , 2010, 41, 523-532.	12.0	32
103	Model updating and seismic loss assessment for a portfolio of bridges. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 699-719.	4.1	32
104	Comparative Analysis of Existing RC Columns Jacketed with CFRP or FRCC. <i>Polymers</i> , 2018, 10, 361.	4.5	32
105	Critical surfaces for adobe masonry: Micromechanical approach. <i>Composites Part B: Engineering</i> , 2014, 56, 790-796.	12.0	29
106	Out-of-plane experimental behaviour of T-shaped full scale masonry wall strengthened with composite connections. <i>Composites Part B: Engineering</i> , 2016, 93, 328-343.	12.0	28
107	Post-Earthquake Damage and Vulnerability Assessment of Churches in the Marche Region Struck by the 2016 Central Italy Seismic Sequence. <i>International Journal of Architectural Heritage</i> , 2021, 15, 1000-1021.	3.1	28
108	FRP Strengthening of Full-Scale PC Girders. <i>Journal of Composites for Construction</i> , 2010, 14, 510-520.	3.2	27

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109	LCA-based study on structural retrofit options for masonry buildings. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 23-35.	4.7	27
110	The use of satellite data to support the structural health monitoring in areas affected by slow-moving landslides: a potential application to reinforced concrete buildings. <i>Structural Health Monitoring</i> , 2021, 20, 3265-3287.	7.5	27
111	Seismic insurance model for the Italian residential building stock. <i>Structural Safety</i> , 2013, 44, 70-79.	5.3	26
112	Adaptive Daily Forecasting of Seismic Aftershock Hazard. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 145-161.	2.3	26
113	Stick-IT: A simplified model for rapid estimation of IDR and PFA for existing low-rise symmetric infilled RC building typologies. <i>Engineering Structures</i> , 2020, 223, 111182.	5.3	26
114	Comparative assessment of seismic rehabilitation techniques on a full scale 3-story RC moment frame structure. <i>Structural Engineering and Mechanics</i> , 2008, 28, 727-747.	1.0	25
115	Assessing reparability: simple tools for estimation of costs and performance loss of earthquake damaged reinforced concrete buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2015, 44, 1539-1557.	4.4	24
116	Fragility curves for Italian URM buildings based on a hybrid method. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 4979-5013.	4.1	24
117	On the integration of multi-temporal synthetic aperture radar interferometry products and historical surveys data for buildings structural monitoring. <i>Journal of Civil Structural Health Monitoring</i> , 2021, 11, 1429-1447.	3.9	24
118	Micromechanical analysis of adobe masonry as two-component composite: Influence of bond and loading schemes. <i>Composite Structures</i> , 2014, 112, 254-263.	5.8	23
119	Dynamic assessment of innovative retrofit techniques for masonry buildings. <i>Composites Part B: Engineering</i> , 2018, 147, 147-161.	12.0	23
120	Masonry columns confined with fabric reinforced cementitious matrix (FRCM) systems: A round robin test. <i>Construction and Building Materials</i> , 2021, 298, 123816.	7.2	23
121	Life cycle environmental impact of different replacement options for a typical old flat roof. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 694-708.	4.7	22
122	Experimental response of an existing RC bridge with smooth bars and preliminary numerical simulations. <i>Engineering Structures</i> , 2017, 136, 355-368.	5.3	22
123	Analysis of the Population Assistance and Returning Home in the Reconstruction Process of the 2009 L'Aquila Earthquake. <i>Sustainability</i> , 2017, 9, 1395.	3.2	22
124	Sustainable Cross-Laminated Timber Structures in a Seismic Area: Overview and Future Trends. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2078.	2.5	22
125	Lateral Response Evaluation of Old Type Reinforced Concrete Columns with Smooth Bars. <i>ACI Structural Journal</i> , 2014, 111, .	0.2	22
126	Simplified Modeling of Rectangular Concrete Cross-Sections Confined by External FRP Wrapping. <i>Polymers</i> , 2014, 6, 1187-1206.	4.5	21



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127	Simplified assessment of maximum interstory drift for RC buildings with irregular infills distribution along the height. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 707-736.	4.1	21
128	Seismic Vulnerability and Simplified Safety Assessments of Masonry Churches in the Ischia Island (Italy) after the 2017 Earthquake. <i>International Journal of Architectural Heritage</i> , 2022, 16, 136-162.	3.1	20
129	Damage assessment of modern masonry buildings after the L'Aquila earthquake. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 2275-2301.	4.1	20
130	Potential of remote sensing data to support the seismic safety assessment of reinforced concrete buildings affected by slow-moving landslides. <i>Archives of Civil and Mechanical Engineering</i> , 2022, 22, 1.	3.8	20
131	On the prediction of the collapse load of circular concrete columns confined by FRP. <i>Engineering Structures</i> , 2008, 30, 3247-3264.	5.3	19
132	Case Study: Seismic Upgrade of a Masonry Bell Tower Using Glass Fiber-Reinforced Polymer Ties. <i>Journal of Composites for Construction</i> , 2009, 13, 188-197.	3.2	19
133	A Multi-Step Approach to Assess the Lifecycle Economic Impact of Seismic Risk on Optimal Energy Retrofit. <i>Sustainability</i> , 2017, 9, 989.	3.2	19
134	Post-earthquake reconstruction: A study on the factors influencing demolition decisions after 2009 L'Aquila earthquake. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 105, 139-149.	3.8	19
135	Ductility-based incremental analysis of curved masonry structures. <i>Engineering Failure Analysis</i> , 2019, 97, 653-675.	4.0	19
136	Probabilistic approach for failure assessment of steel structures in fire by means of plastic limit analysis. <i>Fire Safety Journal</i> , 2014, 68, 16-29.	3.1	18
137	Life-Cycle Assessment of Seismic Retrofit Strategies Applied to Existing Building Structures. <i>Sustainability</i> , 2016, 8, 1275.	3.2	18
138	The protection of artistic assets through the base isolation of historical buildings: a novel uplifting technology. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 4247-4263.	3.1	18
139	Numerical Investigation of Masonry Strengthened with Composites. <i>Polymers</i> , 2018, 10, 334.	4.5	18
140	Seismic vulnerability assessment of minor Italian urban centres: development of urban fragility curves. <i>Bulletin of Earthquake Engineering</i> , 2022, 20, 5017-5046.	4.1	18
141	On the Joint Exploitation of Satellite DInSAR Measurements and DBSCAN-Based Techniques for Preliminary Identification and Ranking of Critical Constructions in a Built Environment. <i>Remote Sensing</i> , 2022, 14, 1872.	4.0	18
142	Analytical Evaluation of FRP Wrapping Effectiveness in Restraining Reinforcement Bar Buckling. <i>Journal of Structural Engineering</i> , 2014, 140, .	3.4	17
143	Effect of nanofiller length and orientation distributions on Mode I fracture toughness of unidirectional fiber composites. <i>Journal of Composite Materials</i> , 2016, 50, 1331-1352.	2.4	17
144	Shaking table tests for the experimental verification of the effectiveness of an automated modal parameter monitoring system for existing bridges in seismic areas. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2165.	4.0	17

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145	Seismic Vulnerability for RC Infilled Frames: Simplified Evaluation for As-Built and Retrofitted Building Typologies. <i>Buildings</i> , 2018, 8, 137.	3.1	17
146	Intermediate Debonding Failure of RC Beams Retrofitted in Flexure with FRP: Experimental Results versus Prediction of Codes of Practice. <i>Journal of Composites for Construction</i> , 2012, 16, 185-195.	3.2	16
147	Hysteretic cyclic response of concrete columns reinforced with smooth bars. <i>Bulletin of Earthquake Engineering</i> , 2013, 11, 2033-2053.	4.1	16
148	Accuracy of nonlinear static procedures for the seismic assessment of shear critical structures. <i>Earthquake Engineering and Structural Dynamics</i> , 2015, 44, 1581-1600.	4.4	16
149	Experimental Behavior of Nonconforming RC Columns with Deformed Bars under Constant Axial Load and Fixed Biaxial Bending. <i>Journal of Structural Engineering</i> , 2017, 143, .	3.4	16
150	An overview of assessment and retrofit of corroded reinforced concrete structures. <i>Procedia Structural Integrity</i> , 2018, 11, 394-401.	0.8	16
151	Experimental response and fiber-reinforced cement composites strengthening of real reinforced concrete columns with poor-quality concrete. <i>Structural Concrete</i> , 2019, 20, 1168-1181.	3.1	16
152	Preliminary tsunami analytical fragility functions proposal for Italian coastal residential masonry buildings. <i>Structures</i> , 2021, 31, 68-79.	3.6	16
153	Relationships between empirical damage and direct/indirect costs for the assessment of seismic loss scenarios. <i>Bulletin of Earthquake Engineering</i> , 2022, 20, 229-254.	4.1	16
154	Preliminary Results of Shake Table Tests of a Typical Museum Display Case Containing an Art Object. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-18.	0.7	16
155	Analysis of RC Hollow Columns Strengthened with GFRP. <i>Journal of Composites for Construction</i> , 2011, 15, 545-556.	3.2	15
156	Nonlinear Analyses of Adobe Masonry Walls Reinforced with Fiberglass Mesh. <i>Polymers</i> , 2014, 6, 464-478.	4.5	15
157	Diagonal compression testing of masonry panels with irregular texture strengthened with inorganic composites. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	3.1	15
158	Fragility curves for different classes of existing RC buildings under ground differential settlements. <i>Engineering Structures</i> , 2022, 257, 114077.	5.3	15
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