Andrea Prota

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9010163/publications.pdf

Version: 2024-02-01

242	8,459	38720 50	74108 75
papers	citations	h-index	g-index

252	252	252	4260
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simplified approach to assess the vulnerability of masonry buildings under tsunami loads. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2023, 176, 754-766.	0.4	5
2	Structural Assessment of Ancient Masonry Structures: An Experimental Investigation on Rubble Stone Masonry. International Journal of Architectural Heritage, 2023, 17, 815-828.	1.7	4
3	An Application of the DInSAR Technique for the Structural Monitoring of the â€œVittorino da Feltreâ€• School Building in Rome. Lecture Notes in Civil Engineering, 2023, , 582-592.	0.3	1
4	Environmental sustainability assessment of structural retrofit of masonry buildings based on LCA. European Journal of Environmental and Civil Engineering, 2022, 26, 2453-2462.	1.0	3
5	Seismic Vulnerability and Simplified Safety Assessments of Masonry Churches in the Ischia Island (Italy) after the 2017 Earthquake. International Journal of Architectural Heritage, 2022, 16, 136-162.	1.7	20
6	Relationships between empirical damage and direct/indirect costs for the assessment of seismic loss scenarios. Bulletin of Earthquake Engineering, 2022, 20, 229-254.	2.3	16
7	Regional based exposure models to account for local building typologies. Bulletin of Earthquake Engineering, 2022, 20, 193-228.	2.3	12
8	Seismic performance of strengthened masonry structures: actual behaviour of buildings in Norcia and Campi Alto during the 2016 Central Italy seismic sequence. Bulletin of Earthquake Engineering, 2022, 20, 321-348.	2.3	5
9	Satellite radar interferometry: Potential and limitations for structural assessment and monitoring. Journal of Building Engineering, 2022, 46, 103756.	1.6	39
10	Fast and Low Impact Retrofit Using Advanced Materials for a Diffused Seismic Risk Mitigation. Lecture Notes in Civil Engineering, 2022, , 19-36.	0.3	0
11	Retrofit of Masonry Walls with Composites to Reduce Vulnerability to Tsunami Loads. Lecture Notes in Civil Engineering, 2022, , 1461-1472.	0.3	1
12	Fibre Reinforced Mortar (FRM) for in Plane Strengthening of Masonry Panels. Lecture Notes in Civil Engineering, 2022, , 1395-1403.	0.3	0
13	Effect of Matrix on Flexural Capacity of Masonry Members Strengthened with Composites. Lecture Notes in Civil Engineering, 2022, , 1450-1460.	0.3	0
14	Review of methods for the combined assessment of seismic resilience and energy efficiency towards sustainable retrofitting of existing European buildings. Sustainable Cities and Society, 2022, 77, 103556.	5.1	34
15	Preliminary Results of Shake Table Tests of a Typical Museum Display Case Containing an Art Object. Advances in Civil Engineering, 2022, 2022, 1-18.	0.4	16
16	Potential of remote sensing data to support the seismic safety assessment of reinforced concrete buildings affected by slow-moving landslides. Archives of Civil and Mechanical Engineering, 2022, 22, 1.	1.9	20
17	Seismic vulnerability assessment of minor Italian urban centres: development of urban fragility curves. Bulletin of Earthquake Engineering, 2022, 20, 5017-5046.	2.3	18
18	Fragility curves for different classes of existing RC buildings under ground differential settlements. Engineering Structures, 2022, 257, 114077.	2.6	15

#	Article	IF	Citations
19	On the Joint Exploitation of Satellite DInSAR Measurements and DBSCAN-Based Techniques for Preliminary Identification and Ranking of Critical Constructions in a Built Environment. Remote Sensing, 2022, 14, 1872.	1.8	18
20	Large scale loss assessment using stick-it model: A comparison with actual cost data. Soil Dynamics and Earthquake Engineering, 2022, 160, 107363.	1.9	5
21	GIS Integration of DInSAR Measurements, Geological Investigation and Historical Surveys for the Structural Monitoring of Buildings and Infrastructures: An Application to the Valco San Paolo Urban Area of Rome. Infrastructures, 2022, 7, 89.	1.4	11
22	Post-Earthquake Damage and Vulnerability Assessment of Churches in the Marche Region Struck by the 2016 Central Italy Seismic Sequence. International Journal of Architectural Heritage, 2021, 15, 1000-1021.	1.7	28
23	Seismic risk assessment of residential buildings in Italy. Bulletin of Earthquake Engineering, 2021, 19, 2999-3032.	2.3	133
24	Out-of-Plane Retrofit of Masonry with Fiber-Reinforced Polymer and Fiber-Reinforced Cementitious Matrix Systems: Normalized Interaction Diagrams and Effects on Mechanisms Activation. Journal of Composites for Construction, 2021, 25, .	1.7	12
25	Methodology for Assessing the Performance of RC Structures with Breakaway Infill Walls under Tsunami Inundation. Journal of Structural Engineering, 2021, 147, .	1.7	5
26	Simple method to evaluate FRCM strengthening effects on in-plane shear capacity of masonry walls. Construction and Building Materials, 2021, 268, 121125.	3.2	10
27	Axial Stressâ€“Strain Model for FRCM Confinement of Masonry Columns. Journal of Composites for Construction, 2021, 25, .	1.7	10
28	The use of Stickâ€IT model for the prediction of direct economic losses. Earthquake Engineering and Structural Dynamics, 2021, 50, 1884-1907.	2.5	11
29	SEISMIC ASSESSMENT OF AN EXISTING RC BUILDING AFFECTED BY SLOW-MOVING LANDSLIDES INDUCED DISPLACEMENTS MONITORED BY REMOTE SENSING TECHNIQUE. , 2021, , .		5
30	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. Structural Health Monitoring, 2021, 20, 3265-3287.	4.3	27
31	Quasi-static In-Plane Testing of Adobe Masonry Walls and Structures. Building Pathology and Rehabilitation, 2021, , 95-120.	0.1	0
32	Effect of Masonry Infill Constitutive Law on the Global Response of Infilled RC Buildings. Buildings, 2021, 11, 57.	1.4	10
33	Sustainable Cross-Laminated Timber Structures in a Seismic Area: Overview and Future Trends. Applied Sciences (Switzerland), 2021, 11, 2078.	1.3	22
34	Opportunities of light jacketing with Fibre Reinforced Cementitious Composites for seismic retrofitting of existing RC columns. Composite Structures, 2021, 263, 113717.	3.1	11
35	Masonry walls retrofitted with natural fibers under tsunami loads. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	1.3	4
36	Fragility curves for Italian URM buildings based on a hybrid method. Bulletin of Earthquake Engineering, 2021, 19, 4979-5013.	2.3	24

#	Article	IF	Citations
37	Preliminary tsunami analytical fragility functions proposal for Italian coastal residential masonry buildings. Structures, 2021, 31, 68-79.	1.7	16
38	Guest editorial to the special issueâ€"Seismic risk assessment in Italy. Bulletin of Earthquake Engineering, 2021, 19, 2995-2998.	2.3	3
39	Experimental analysis of lime putty and pozzolan-based mortar for interventions in archaeological sites. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	1.3	3
40	Cost and Effectiveness of Fiber-Reinforced Polymer Solutions for the Large-Scale Mitigation of Seismic Risk in Reinforced Concrete Buildings. Polymers, 2021, 13, 2962.	2.0	8
41	Masonry columns confined with fabric reinforced cementitious matrix (FRCM) systems: A round robin test. Construction and Building Materials, 2021, 298, 123816.	3.2	23
42	Efficiency of injected anchors in connecting Tâ€"shaped masonry walls: a modelling approach. Construction and Building Materials, 2021, 301, 124051.	3.2	9
43	On the integration of multi-temporal synthetic aperture radar interferometry products and historical surveys data for buildings structural monitoring. Journal of Civil Structural Health Monitoring, 2021, 11, 1429-1447.	2.0	24
44	Masonry spandrels reinforced by thin-steel stripes: Experimental program on reduced-scale specimens. Construction and Building Materials, 2021, 306, 124922.	3.2	1
45	The structural design of the decay volume for the Search for Hidden Particles (SHIP) project. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	1.9	5
46	Damages to masonry churches after 2016â€"2017 Central Italy seismic sequence and definition of fragility curves. Bulletin of Earthquake Engineering, 2020, 18, 297-329.	2.3	46
47	Seismic fragility for Italian RC buildings based on damage data of the last 50 years. Bulletin of Earthquake Engineering, 2020, 18, 2023-2059.	2.3	55
48	Repair costs of reinforced concrete building components: from actual data analysis to calibrated consequence functions. Earthquake Spectra, 2020, 36, 353-377.	1.6	39
49	Multidrum Stone Columns at the Pompeii Archaeological Site: Analysis of Geometrical Properties and State of Preservation. Heritage, 2020, 3, 1069-1082.	0.9	5
50	Stick-IT: A simplified model for rapid estimation of IDR and PFA for existing low-rise symmetric infilled RC building typologies. Engineering Structures, 2020, 223, 111182.	2.6	26
51	Impact of FRP and FRCM on the ductility of strengthened masonry members. Structures, 2020, 28, 1229-1243.	1.7	8
52	Diagonal compression testing of masonry panels with irregular texture strengthened with inorganic composites. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	1.3	15
53	Effects of the Mortar Matrix on the Flexural Capacity of Masonry Cross Sections Strengthened with FRCM Materials. Applied Sciences (Switzerland), 2020, 10, 7908.	1.3	5
54	Empirical damage and liquefaction fragility curves from 2012 Emilia earthquake data. Earthquake Spectra, 2020, 36, 507-536.	1.6	14

#	Article	IF	Citations
55	FRP-reinforced masonry spandrels: Experimental campaign on reduced-scale specimens. Construction and Building Materials, 2020, 261, 119965.	3.2	7
56	Two Parameters Confinement Model for Clay Brick Masonry. International Journal of Computational Methods, 2020, 17, 1940010.	0.8	0
57	Damage assessment of modern masonry buildings after the Lâ€™Aquila earthquake. Bulletin of Earthquake Engineering, 2020, 18, 2275-2301.	2.3	20
58	Light FRP Strengthening of Poorly Detailed Reinforced Concrete Exterior Beamâ€“Column Joints. Journal of Composites for Construction, 2020, 24, .	1.7	13
59	Seismic performance of bridges during the 2016 Central Italy earthquakes. Bulletin of Earthquake Engineering, 2019, 17, 5729-5761.	2.3	33
60	Damage assessment and the effectiveness of prevention: the response of ordinary unreinforced masonry buildings in Norcia during the Central Italy 2016â€“2017 seismic sequence. Bulletin of Earthquake Engineering, 2019, 17, 5609-5629.	2.3	61
61	Empirical fragility curves for masonry buildings after the 2009 Lâ€™Aquila, Italy, earthquake. Bulletin of Earthquake Engineering, 2019, 17, 6301-6330.	2.3	74
62	Experimental In-Plane Shear Capacity of Clay Brick Masonry Panels Strengthened with FRCM and FRM Composites. Journal of Composites for Construction, 2019, 23, 04019038.	1.7	39
63	Integration of Seismic Risk into Energy Retrofit Optimization Procedures: A Possible Approach Based on Life Cycle Evaluation. IOP Conference Series: Earth and Environmental Science, 2019, 290, 012022.	0.2	3
64	FRCM strengthening of clay brick walls for out of plane loads. Composites Part B: Engineering, 2019, 174, 107050.	5.9	14
65	Experimental response and fiberâ€reinforced cement composites strengthening of real reinforced concrete columns with poorâ€quality concrete. Structural Concrete, 2019, 20, 1168-1181.	1.5	16
66	Analysis of FRCM and CRM parameters for the in-plane shear strengthening of different URM types. Composites Part B: Engineering, 2019, 171, 20-33.	5.9	58
67	Multi-parameters mechanical modeling to derive a confinement model for masonry columns. Construction and Building Materials, 2019, 214, 303-317.	3.2	8
68	Damage to churches in the 2016 central Italy earthquakes. Bulletin of Earthquake Engineering, 2019, 17, 5763-5790.	2.3	71
69	Unified Theory for Flexural Strengthening of Masonry with Composites. Materials, 2019, 12, 680.	1.3	11
70	In-plane shear capacity of tuff masonry walls with traditional and innovative Composite Reinforced Mortars (CRM). Construction and Building Materials, 2019, 210, 289-300.	3.2	41
71	Simplified assessment of maximum interstory drift for RC buildings with irregular infills distribution along the height. Bulletin of Earthquake Engineering, 2019, 17, 707-736.	2.3	21
72	Ductility-based incremental analysis of curved masonry structures. Engineering Failure Analysis, 2019, 97, 653-675.	1.8	19

#	Article	IF	Citations
73	Fabric-Reinforced Cementitious Matrix (FRCM) composites. , 2019, , 199-227.		8
74	Corrosion effects on seismic capacity of reinforced concrete structures. Corrosion Reviews, 2019, 37, 45-56.	1.0	45
75	Remarks on damage and response of school buildings after the Central Italy earthquake sequence. Bulletin of Earthquake Engineering, 2019, 17, 5679-5700.	2.3	35
76	2016-17 CENTRAL ITALY: MACROSCALE ASSESSMENT OF MASONRY CHURCHES VULNERABILITY. , 2019, , .		6
77	SIMPLIFIED MODEL CALIBRATION FOR DYNAMIC RESPONSE ASSESSMENT OF INFILLED RC BUILDINGS. , 2019, , .		3
78	MECHANICAL PROPERTIES OF ROCK UNITS FROM THE POMPEII ARCHAEOLOGICAL SITE, ITALY. WIT Transactions on the Built Environment, 2019, , .	0.0	4
79	The Effect of Alternative Retrofit Strategies on Reduction of Expected Losses: Evaluation with Detailed and Simplified Approach. Lecture Notes in Civil Engineering, 2018, , 385-399.	0.3	2
80	Correlation of In-Situ Material Characterization Tests and Experimental Performances of RC Members. Lecture Notes in Civil Engineering, 2018, , 454-466.	0.3	1
81	Dynamic assessment of innovative retrofit techniques for masonry buildings. Composites Part B: Engineering, 2018, 147, 147-161.	5.9	23
82	Shaking table tests for the experimental verification of the effectiveness of an automated modal parameter monitoring system for existing bridges in seismic areas. Structural Control and Health Monitoring, 2018, 25, e2165.	1.9	17
83	Seismic Retrofit of Real Beam-Column Joints Using Fiber-Reinforced Cement Composites. Journal of Structural Engineering, 2018, 144, .	1.7	51
84	Cloud to IDA: Efficient fragility assessment with limited scaling. Earthquake Engineering and Structural Dynamics, 2018, 47, 1124-1147.	2.5	85
85	Post-earthquake reconstruction: A study on the factors influencing demolition decisions after 2009 Lâ€™Aquila earthquake. Soil Dynamics and Earthquake Engineering, 2018, 105, 139-149.	1.9	19
86	Experimental performance of FRCM retrofit on out-of-plane behaviour of clay brick walls. Composites Part B: Engineering, 2018, 148, 198-206.	5.9	56
87	The Influence of Dowel-Bearing Strength in Designing Timber Pegged Timber Joints. International Journal of Architectural Heritage, 2018, 12, 362-375.	1.7	9
88	Textile reinforced mortars systems: a sustainable way to retrofit structural masonry walls under tsunami loads. International Journal of Masonry Research and Innovation, 2018, 3, 200.	0.3	11
89	An overview of assessment and retrofit of corroded reinforced concrete structures. Procedia Structural Integrity, 2018, 11, 394-401.	0.3	16
90	Theoretical assessment of reinforced concrete T-shaped beam-column joints. AIP Conference Proceedings, 2018, , .	0.3	2

#	Article	IF	Citations
91	LCA-Based Comparison of the Environmental Impact of Different Structural Systems. IOP Conference Series: Materials Science and Engineering, 2018, 442, 012010.	0.3	7
92	Seismic Vulnerability for RC Infilled Frames: Simplified Evaluation for As-Built and Retrofitted Building Typologies. Buildings, 2018, 8, 137.	1.4	17
93	Sustainable Selective Mitigation Interventions towards Effective Earthquake Risk Reduction at the Community Scale. Sustainability, 2018, 10, 2894.	1.6	14
94	The Italian guidelines for seismic risk classification of constructions: technical principles and validation. Bulletin of Earthquake Engineering, 2018, 16, 5905-5935.	2.3	109
95	Numerical Investigation of Masonry Strengthened with Composites. Polymers, 2018, 10, 334.	2.0	18
96	Comparative Analysis of Existing RC Columns Jacketed with CFRP or FRCC. Polymers, 2018, 10, 361.	2.0	32
97	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.	2.3	108
98	Reconstruction process of damaged residential buildings outside historical centres after the Lâ€™Aquila earthquake: part Iâ€"â€œheavy damageâ€•reconstruction. Bulletin of Earthquake Engineering, 2017, 15, 693-729.	2.3	116
99	Experimental response of an existing RC bridge with smooth bars and preliminary numerical simulations. Engineering Structures, 2017, 136, 355-368.	2.6	22
100	Performance assessment of basalt FRCM for retrofit applications on masonry. Composites Part B: Engineering, 2017, 128, 1-18.	5.9	174
101	Use of DIC technique for investigating the behaviour of FRCM materials for strengthening masonry elements. Composites Part B: Engineering, 2017, 129, 251-270.	5.9	65
102	Aftershock collapse fragility curves for nonâ€ductile RC buildings: a scenarioâ€based assessment. Earthquake Engineering and Structural Dynamics, 2017, 46, 2083-2102.	2.5	33
103	Experimental Behavior of Nonconforming RC Columns with Deformed Bars under Constant Axial Load and Fixed Biaxial Bending. Journal of Structural Engineering, 2017, 143, .	1.7	16
104	FRP for seismic strengthening of shear controlled RC columns: Experience from earthquakes and experimental analysis. Composites Part B: Engineering, 2017, 129, 47-57.	5.9	57
105	Restoring of timber structures: connections with timber pegs. European Journal of Wood and Wood Products, 2017, 75, 957-971.	1.3	11
106	Comparison of available shear strength models for non-conforming reinforced concrete columns. Engineering Structures, 2017, 148, 312-327.	2.6	35
107	Influence of FRP wrapping on reinforcement performances at lap splice regions in RC columns. Composites Part B: Engineering, 2017, 116, 313-324.	5.9	7
108	Life-cycle cost optimization of the seismic retrofit of existing RC structures. Bulletin of Earthquake Engineering, 2017, 15, 2245-2271.	2.3	41

#	Article	IF	Citations
109	Nondestructive assessment of corrosion of reinforcing bars through surface concrete cracks. Structural Concrete, 2017, 18, 104-117.	1.5	54
110	Empirical fragility curves from damage data on RC buildings after the 2009 Lâ€™Aquila earthquake. Bulletin of Earthquake Engineering, 2017, 15, 1425-1450.	2.3	121
111	Estimation of repair costs for RC and masonry residential buildings based on damage data collected by post-earthquake visual inspection. Bulletin of Earthquake Engineering, 2017, 15, 1681-1706.	2.3	53
112	Seismic Strengthening of Masonry Vaults with Abutments Using Textile-Reinforced Mortar. Journal of Composites for Construction, 2017, 21, .	1.7	41
113	A Multi-Step Approach to Assess the Lifecycle Economic Impact of Seismic Risk on Optimal Energy Retrofit. Sustainability, 2017, 9, 989.	1.6	19
114	Analysis of the Population Assistance and Returning Home in the Reconstruction Process of the 2009 Lâ€™Aquila Earthquake. Sustainability, 2017, 9, 1395.	1.6	22
115	Design Oriented Model for the Assessment of T-Shaped Beam-Column Joints in Reinforced Concrete Frames. Buildings, 2017, 7, 118.	1.4	12
116	Life-Cycle Assessment of Seismic Retrofit Strategies Applied to Existing Building Structures. Sustainability, 2016, 8, 1275.	1.6	18
117	Deformation capacity of non-conforming r.c. columns under compressive axial load and biaxial bending. Engineering Structures, 2016, 124, 480-493.	2.6	12
118	Shaking table tests on a full-scale unreinforced and IMG-retrofitted clay brick masonry barrel vault. Bulletin of Earthquake Engineering, 2016, 14, 1663-1693.	2.3	45
119	Collapse analysis of slender masonry barrel vaults. Engineering Structures, 2016, 117, 86-100.	2.6	42
120	Modelling beam-column joints and FRP strengthening in the seismic performance assessment of RC existing frames. Composite Structures, 2016, 142, 107-116.	3.1	47
121	Model updating and seismic loss assessment for a portfolio of bridges. Bulletin of Earthquake Engineering, 2016, 14, 699-719.	2.3	32
122	Out-of-plane experimental behaviour of T-shaped full scale masonry wall strengthened with composite connections. Composites Part B: Engineering, 2016, 93, 328-343.	5.9	28
123	The protection of artistic assets through the base isolation of historical buildings: a novel uplifting technology. Materials and Structures/Materiaux Et Constructions, 2016, 49, 4247-4263.	1.3	18
124	Confinement of RC Elements by Means of EBR FRP Systems. RILEM State-of-the-Art Reports, 2016, , 131-194.	0.3	0
125	Effect of nanofiller length and orientation distributions on Mode I fracture toughness of unidirectional fiber composites. Journal of Composite Materials, 2016, 50, 1331-1352.	1.2	17
126	Repair of composite-to-masonry bond using flexible matrix. Materials and Structures/Materiaux Et Constructions, 2016, 49, 2563-2580.	1.3	39

#	Article	IF	Citations
127	Simplified seismic assessment of railway masonry arch bridges by limit analysis. Structure and Infrastructure Engineering, 2016, 12, 567-591.	2.0	48
128	Multi-Scale Analysis of In-plane Behaviour of Tuff Masonry. Open Construction and Building Technology Journal, 2016, 10, 312-328.	0.3	6
129	Tensile behaviour of geopolymer-based materials under medium and high strain rates. EPJ Web of Conferences, 2015, 94, 01034.	0.1	4
130	Assessing reparability: simple tools for estimation of costs and performance loss of earthquake damaged reinforced concrete buildings. Earthquake Engineering and Structural Dynamics, 2015, 44, 1539-1557.	2.5	24
131	Simplified Model for Strengthening Design of Beamâ€“Column Internal Joints in Reinforced Concrete Frames. Polymers, 2015, 7, 1732-1754.	2.0	44
132	Behavior of Full-Scale Porous GFRP Barrier under Blast Loads. International Journal of Polymer Science, 2015, 2015, 1-11.	1.2	8
133	Modeling of concrete cracking due to corrosion process of reinforcement bars. Cement and Concrete Research, 2015, 71, 78-92.	4.6	74
134	Analytical model and design approach for FRP strengthening of non-conforming RC corner beamâ€“column joints. Engineering Structures, 2015, 87, 8-20.	2.6	57
135	Accuracy of nonlinear static procedures for the seismic assessment of shear critical structures. Earthquake Engineering and Structural Dynamics, 2015, 44, 1581-1600.	2.5	16
136	Experimental characterization of Italian composite adobe bricks reinforced with straw fibers. Composite Structures, 2015, 122, 300-307.	3.1	107
137	Life cycle environmental impact of different replacement options for a typical old flat roof. International Journal of Life Cycle Assessment, 2015, 20, 694-708.	2.2	22
138	LCA-based study on structural retrofit options for masonry buildings. International Journal of Life Cycle Assessment, 2015, 20, 23-35.	2.2	27
139	Preparation, structure and properties of hybrid materials based on geopolymers and polysiloxanes. Materials and Design, 2015, 87, 82-94.	3.3	63
140	Local Strengthening of Reinforced Concrete Structures as a Strategy for Seismic Risk Mitigation at Regional Scale. Earthquake Spectra, 2015, 31, 1083-1102.	1.6	41
141	Structural behaviour of masonry panels strengthened with an innovative hemp fibre composite grid. Construction and Building Materials, 2015, 100, 111-121.	3.2	76
142	Shake table tests for the seismic fragility evaluation of hospital rooms. Earthquake Engineering and Structural Dynamics, 2015, 44, 23-40.	2.5	61
143	Experimental investigation of the seismic performances of IMG reinforcement on curved masonry elements. Composites Part B: Engineering, 2015, 70, 53-63.	5.9	61
144	Comparative micromechanical assessment of adobe and clay brick masonry assemblages based on experimental data sets. Composite Structures, 2015, 120, 208-220.	3.1	38

#	Article	IF	Citations
145	Simplified Modeling of Rectangular Concrete Cross-Sections Confined by External FRP Wrapping. Polymers, 2014, 6, 1187-1206.	2.0	21
146	A performanceâ€based framework for adaptive seismic aftershock risk assessment. Earthquake Engineering and Structural Dynamics, 2014, 43, 2179-2197.	2.5	42
147	Adaptive Daily Forecasting of Seismic Aftershock Hazard. Bulletin of the Seismological Society of America, 2014, 104, 145-161.	1.1	26
148	Nonlinear Analyses of Adobe Masonry Walls Reinforced with Fiberglass Mesh. Polymers, 2014, 6, 464-478.	2.0	15
149	Critical surfaces for adobe masonry: Micromechanical approach. Composites Part B: Engineering, 2014, 56, 790-796.	5.9	29
150	Implications of the spandrel type on the lateral behavior of unreinforced masonry walls. Earthquake Engineering and Structural Dynamics, 2014, 43, 1867-1887.	2.5	46
151	Analysis of the strain-rate behavior of a basalt fiber reinforced natural hydraulic mortar. Cement and Concrete Composites, 2014, 53, 52-58.	4.6	85
152	Probabilistic approach for failure assessment of steel structures in fire by means of plastic limit analysis. Fire Safety Journal, 2014, 68, 16-29.	1.4	18
153	Probabilistic design equations for the shear capacity of RC members with FRP internal shear reinforcement. Composites Part B: Engineering, 2014, 67, 199-208.	5.9	13
154	2012 Emilia earthquake, Italy: reinforced concrete buildings response. Bulletin of Earthquake Engineering, 2014, 12, 2275-2298.	2.3	48
155	FRP confinement of masonry: analytical modeling. Materials and Structures/Materiaux Et Constructions, 2014, 47, 2101-2115.	1.3	38
156	Micromechanical analysis of adobe masonry as two-component composite: Influence of bond and loading schemes. Composite Structures, 2014, 112, 254-263.	3.1	23
157	Experimental Investigation of Exterior RC Beam-Column Joints Retrofitted with FRP Systems. Journal of Composites for Construction, 2014, 18, .	1.7	98
158	Analytical Evaluation of FRP Wrapping Effectiveness in Restraining Reinforcement Bar Buckling. Journal of Structural Engineering, 2014, 140, .	1.7	17
159	Cyclic Behavior of Nonconforming Full-Scale RC Columns. Journal of Structural Engineering, 2014, 140, .	1.7	39
160	Adaptive post-earthquake reliability assessment of structures subjected to aftershocks. , 2014, , 4153-4160.		2
161	Lateral Response Evaluation of Old Type Reinforced Concrete Columns with Smooth Bars. ACI Structural Journal, 2014, 111, .	0.3	22
162	MECHANISM BASED ASSESSMENT OF DAMAGED BUILDINGâ€™S RESIDUAL CAPACITY. , 2014, , .		4

#	Article	IF	Citations
163	Lâ€™Aquila Earthquake: A Wake-Up Call for European Research and Codes. Geotechnical, Geological and Earthquake Engineering, 2014, , 129-142.	0.1	0
164	Seismic insurance model for the Italian residential building stock. Structural Safety, 2013, 44, 70-79.	2.8	26
165	Numerical assessment of the impact behavior of honeycomb sandwich structures. Composite Structures, 2013, 106, 326-339.	3.1	57
166	Rocking response assessment of in-plane laterally-loaded masonry walls with openings. Engineering Structures, 2013, 56, 1234-1248.	2.6	51
167	Statistical finite element analysis of the buckling behavior of honeycomb structures. Composite Structures, 2013, 105, 240-255.	3.1	74
168	Influence of surface roughness on the bond of FRP laminates to concrete. Construction and Building Materials, 2013, 40, 533-542.	3.2	90
169	Hysteretic cyclic response of concrete columns reinforced with smooth bars. Bulletin of Earthquake Engineering, 2013, 11, 2033-2053.	2.3	16
170	Assessment of ecological sustainability of a building subjected to potential seismic events during its lifetime. International Journal of Life Cycle Assessment, 2013, 18, 504-515.	2.2	54
171	Use of geopolymers for composite external reinforcement of RC members. Composites Part B: Engineering, 2013, 45, 1667-1676.	5.9	115
172	In-plane behaviour of tuff masonry strengthened with inorganic matrixâ€“grid composites. Composites Part B: Engineering, 2013, 45, 1657-1666.	5.9	170
173	Analysis and repair of clustered buildings: Case study of a block in the historic city centre of Lâ€™Aquila (Central Italy). Construction and Building Materials, 2013, 38, 1221-1237.	3.2	47
174	A proposal for plastic hinges modification factors for damaged RC columns. Engineering Structures, 2013, 51, 99-112.	2.6	42
175	Damageâ€dependent vulnerability curves for existing buildings. Earthquake Engineering and Structural Dynamics, 2013, 42, 853-870.	2.5	50
176	Wall-Like Reinforced Concrete Columns Externally Confined by Means of Glass FRP Laminates. Advances in Structural Engineering, 2013, 16, 593-603.	1.2	14
177	Application-Oriented Chemical Optimization of a Metakaolin Based Geopolymer. Materials, 2013, 6, 1920-1939.	1.3	92
178	Experimental Behavior of Nonconforming RC Columns with Plain Bars under Constant Axial Load and Biaxial Bending. Journal of Structural Engineering, 2013, 139, 897-914.	1.7	40
179	An Outlook Into Time-Dependent Aftershock Vulnerability Assessment. , 2013, , .		7
180	Multiscale non-linear analysis of RC hollow piers wrapped with CFRP under shear-type load. Construction and Building Materials, 2012, 35, 947-959.	3.2	5

#	Article	IF	Citations
181	Analytical model for the effective strain in FRP-wrapped circular RC columns. Composites Part B: Engineering, 2012, 43, 3208-3218.	5.9	33
182	Intermediate Debonding Failure of RC Beams Retrofitted in Flexure with FRP: Experimental Results versus Prediction of Codes of Practice. Journal of Composites for Construction, 2012, 16, 185-195.	1.7	16
183	Round Robin Test for composite-to-brick shear bond characterization. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1761-1791.	1.3	172
184	Numerical Investigation on the Influence of FRP Retrofit Layout and Geometry on the In-Plane Behavior of Masonry Walls. Journal of Composites for Construction, 2012, 16, 712-723.	1.7	40
185	Tensile behavior of epoxy based FRP composites under extreme service conditions. Composites Part B: Engineering, 2012, 43, 1468-1474.	5.9	64
186	Improved mechanical properties of CFRP laminates at elevated temperatures and freezeâ€“thaw cycling. Construction and Building Materials, 2012, 31, 273-283.	3.2	42
187	Influence of strain rate on the seismic response of RC structures. Engineering Structures, 2012, 35, 29-36.	2.6	42
188	Ultimate limit state of MF-FRP beams. Bridge Maintenance, Safety and Management, 2012, , 1235-1242.	0.1	1
189	Structural Evaluation of Full-Scale FRP-Confined Reinforced Concrete Columns. Journal of Composites for Construction, 2011, 15, 112-123.	1.7	154
190	Nonlinear Behavior of a Masonry Subassemblage Before and After Strengthening with Inorganic Matrix-Grid Composites. Journal of Composites for Construction, 2011, 15, 821-832.	1.7	63
191	A decision support system for post-earthquake reliability assessment of structures subjected to aftershocks: an application to Lâ€™Aquila earthquake, 2009. Bulletin of Earthquake Engineering, 2011, 9, 997-1014.	2.3	49
192	Potential of structural pozzolanic matrixâ€“hemp fiber grid composites. Construction and Building Materials, 2011, 25, 2867-2874.	3.2	55
193	Multiâ€hazard upgrade decision making for critical infrastructure based on lifeâ€cycle cost criteria. Earthquake Engineering and Structural Dynamics, 2011, 40, 1163-1179.	2.5	40
194	Modeling of flexural behavior of RC beams strengthened with mechanically fastened FRP strips. Composite Structures, 2011, 93, 1973-1985.	3.1	34
195	Experimental characterization of phenolic-impregnated honeycomb sandwich structures for transportation vehicles. Composite Structures, 2011, 93, 2910-2924.	3.1	50
196	Numerical simulation of impact tests on GFRP composite laminates. International Journal of Impact Engineering, 2011, 38, 677-685.	2.4	132
197	Analysis of RC Hollow Columns Strengthened with GFRP. Journal of Composites for Construction, 2011, 15, 545-556.	1.7	15
198	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.	1.7	102

#	Article	IF	Citations
199	Performance of Different Seismic Retrofitting Techniques in Case of Blast-Induced Progressive Collapse. Applied Mechanics and Materials, 2011, 82, 485-490.	0.2	2
200	Influence of free edge stress concentration on effectiveness of FRP confinement. Composites Part B: Engineering, 2010, 41, 523-532.	5.9	32
201	Proposal of a probabilistic model for multi-hazard risk assessment of structures in seismic zones subjected to blast for the limit state of collapse. Structural Safety, 2010, 32, 25-34.	2.8	76
202	Multiscale approach for the design of composite sandwich structures for train application. Composite Structures, 2010, 92, 2208-2219.	3.1	68
203	FRP Strengthening of Full-Scale PC Girders. Journal of Composites for Construction, 2010, 14, 510-520.	1.7	27
204	Discussion of â€œNonlinear Uniaxial Material Model for Reinforcing Steel Barsâ€•by Sashi K. Kunnath, YeongAe Heo, and Jon F. Mohle. Journal of Structural Engineering, 2010, 136, 917-918.	1.7	3
205	Assessment of the Electromagnetic Disturbance of a Glass Fiber Reinforced Composite Fencing Structure. Journal of Composites for Construction, 2010, 14, 629-635.	1.7	4
206	FRP Confinement of Tuff and Clay Brick Columns: Experimental Study and Assessment of Analytical Models. Journal of Composites for Construction, 2010, 14, 583-596.	1.7	91
207	Comparative Analysis on the Seismic Behavior of Combined RC-Masonry Buildings. Journal of Structural Engineering, 2010, 136, 1483-1496.	1.7	2
208	Structural Upgrade Using Basalt Fibers for Concrete Confinement. Journal of Composites for Construction, 2010, 14, 541-552.	1.7	192
209	Case Study: Seismic Upgrade of a Masonry Bell Tower Using Glass Fiber-Reinforced Polymer Ties. Journal of Composites for Construction, 2009, 13, 188-197.	1.7	19
210	Strain-Rate Sensitivity of a Pultruded E-Glass/Polyester Composite. Journal of Composites for Construction, 2009, 13, 558-564.	1.7	33
211	Dynamic behavior of a Mediterranean natural stone under tensile loading. International Journal of Rock Mechanics and Minings Sciences, 2009, 46, 514-520.	2.6	76
212	Non-linear modeling of RC rectangular hollow piers confined with CFRP. Composite Structures, 2009, 88, 56-64.	3.1	35
213	Cyclic Behavior of Smooth Steel Reinforcing Bars: Experimental Analysis and Modeling Issues. Journal of Earthquake Engineering, 2009, 13, 500-519.	1.4	38
214	Nonlinear Analyses of Tuff Masonry Walls Strengthened with Cementitious Matrix-Grid Composites. Journal of Composites for Construction, 2009, 13, 243-251.	1.7	54
215	Assessment of Eurocode-like design equations for the shear capacity of FRP RC members. Composites Part B: Engineering, 2008, 39, 792-806.	5.9	39
216	On the prediction of the collapse load of circular concrete columns confined by FRP. Engineering Structures, 2008, 30, 3247-3264.	2.6	19

#	Article	IF	Citations
217	Seismic strengthening of an underâ€designed RC structure with FRP. Earthquake Engineering and Structural Dynamics, 2008, 37, 141-162.	2.5	69
218	Unified theory for confinement of RC solid and hollow circular columns. Composites Part B: Engineering, 2008, 39, 1151-1160.	5.9	54
219	Seismic Behavior of a Full-Scale RC Structure Retrofitted Using GFRP Laminates. Journal of Structural Engineering, 2008, 134, 810-821.	1.7	44
220	Multi-Hazard Risk Assessment of Structures Subjected to Seismic Excitation and Blast for the Limit State of Collapse. AIP Conference Proceedings, 2008, , .	0.3	1
221	Assessment of Design Formulas for In-Plane FRP Strengthening of Masonry Walls. Journal of Composites for Construction, 2008, 12, 643-649.	1.7	38
222	Closure to â€œResponse Prediction of RC Beams Externally Bonded with Steel-Reinforced Polymersâ€•by Marisa Pecce, Francesca Ceroni, Andrea Prota, and Gaetano Manfredi. Journal of Composites for Construction, 2008, 12, 112-113.	1.7	0
223	Comparative assessment of seismic rehabilitation techniques on a full scale 3-story RC moment frame structure. Structural Engineering and Mechanics, 2008, 28, 727-747.	1.0	25
224	Experimental Performance of RC Hollow Columns Confined with CFRP. Journal of Composites for Construction, 2007, 11, 42-49.	1.7	81
225	In-plane shear performance of masonry panels strengthened with FRP. Composites Part B: Engineering, 2007, 38, 887-901.	5.9	152
226	Experimental In-Plane Behavior of Tuff Masonry Strengthened with Cementitious Matrixâ€“Grid Composites. Journal of Composites for Construction, 2006, 10, 223-233.	1.7	206
227	Ultimate behavior of axially loaded RC wall-like columns confined with GFRP. Composites Part B: Engineering, 2006, 37, 670-678.	5.9	40
228	Response Prediction of RC Beams Externally Bonded with Steel-Reinforced Polymers. Journal of Composites for Construction, 2006, 10, 195-203.	1.7	35
229	EXPERIMENTAL BEHAVIOUR AND NUMERICAL MODELLING OF SMOOTH STEEL BARS UNDER COMPRESSION. Journal of Earthquake Engineering, 2006, 10, 313-329.	1.4	44
230	Seismic behavior of a full-scale RC frame repaired using CFRP laminates. Engineering Structures, 2005, 27, 769-780.	2.6	117
231	Flexural strengthening of RC beams using emerging materials. , 2004, , 163-170.		9
232	Flexural strengthening of RC beams using emerging materials. , 2004, , 171-178.		4
233	CONFINEMENT OF RC RECTANGULAR COLUMNS USING GFRP. , 2003, , .		1
234	Composites in Construction: Present Situation and Priorities for Future Research. , 2001, , 269.		2

#	Article	IF	Citations
235	Multi-Hazard Assessment of Steel Hangar Structures Subjected to Seismic and Wind Loads. Applied Mechanics and Materials, 0, 82, 778-783.	0.2	1
236	Analysis of the Strain-Rate Beahavior of a Basalt Fiber Reinforced Mortar. Applied Mechanics and Materials, 0, 82, 196-201.	0.2	4
237	Influence of Masonry Properties on Confinement: A Mechanical Model. Key Engineering Materials, 0, 624, 299-306.	0.4	2
238	Masonry Reinforcement with IMG Composites: Experimental Investigation. Key Engineering Materials, 0, 624, 275-282.	0.4	11
239	Repair of Clay Brick Walls for out of Plane Loads by Means of FRCM. Key Engineering Materials, 0, 747, 358-365.	0.4	5
240	Comparison of Different FE Modeling for In-Plane Shear Strengthening of Brittle Masonry with FRCM. Key Engineering Materials, 0, 817, 65-72.	0.4	2
241	Shear Capacity of Masonry Panels Reinforced with Inorganic Strengthening Systems. Key Engineering Materials, 0, 817, 486-492.	0.4	1
242	A Design-Oriented Stress-Strain Constitutive Model for Clay-Brick Masonry Columns Confined by FRP. Key Engineering Materials, 0, 916, 147-154.	0.4	0