

Maria Antonietta Aiello

List of Publications by Year in descending order

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73
papers

2,633
citations

182225

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73
all docs

73
docs citations

73
times ranked

1822
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal and Seismic Capacity Improvements for Masonry Building Heritage: A Unified Retrofitting System. Sustainability, 2021, 13, 1111.	1.6	18
2	Bond strength of rubberized concrete with deformed steel bar. Construction and Building Materials, 2021, 272, 121730.	3.2	18
3	Pre-Load Effect on CFRP-Confinement of Concrete Columns: Experimental and Theoretical Study. Crystals, 2021, 11, 177.	1.0	9
4	A New Artificial Neural Network Model for the Prediction of the Effect of Molar Ratios on Compressive Strength of Fly Ash-Slag Geopolymer Mortar. Advances in Civil Engineering, 2021, 2021, 1-17.	0.4	9
5	Masonry columns confined with fabric reinforced cementitious matrix (FRCM) systems: A round robin test. Construction and Building Materials, 2021, 298, 123816.	3.2	23
6	Influence of different set-up parameters on the bond behavior of FRCM composites. Construction and Building Materials, 2021, 308, 124964.	3.2	17
7	Bond Tests on Clay Bricks and Natural Stone Masonry Externally Bonded with FRP. Materials, 2021, 14, 7439.	1.3	0
8	A prioritization RVS methodology for the seismic risk assessment of RC school buildings. International Journal of Disaster Risk Reduction, 2020, 51, 101807.	1.8	50
9	Transversal joining of multi-leaf masonry through different types of connector: Experimental and theoretical investigation. Construction and Building Materials, 2020, 265, 120733.	3.2	32
10	Seismic Capacity Estimation of a Masonry Bell-Tower with Verticality Imperfection Detected by a Drone-Assisted Survey. Infrastructures, 2020, 5, 72.	1.4	7
11	An Innovative Construction Technique for Curved Structures. Applied Sciences (Switzerland), 2020, 10, 4465.	1.3	3
12	Confinement of Masonry Columns with the FRCM-System: Theoretical and Experimental Investigation. Infrastructures, 2020, 5, 101.	1.4	24
13	Uniaxial Experimental Tests on Full-Scale Limestone Masonry Columns Confined with Glass and Basalt FRCM Systems. Journal of Composites for Construction, 2020, 24, .	1.7	27
14	A non destructive testing method for masonry by using UPV and cross validation procedure. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	1.3	11
15	A New Fabric Reinforced Geopolymer Mortar (FRGM) with Mechanical and Energy Benefits. Fibers, 2020, 8, 49.	1.8	22
16	Discontinuous FRP-Confinement of Masonry Columns. Frontiers in Built Environment, 2020, 5, .	1.2	23
17	A multi-criteria-based procedure for the robust definition of algorithms aimed at fast seismic risk assessment of existing RC buildings. Structures, 2020, 24, 766-782.	1.7	19
18	Reversible techniques for FRP-confinement of masonry columns. Construction and Building Materials, 2019, 225, 415-428.	3.2	46

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19	Effects of Short Fibers on the Long-Term Behavior of RC/FRC Beams Aged under Service Loading. Applied Sciences (Switzerland), 2019, 9, 2540.	1.3	9
20	Discontinuous CFRP-Jacketing of Masonry Columns. Key Engineering Materials, 2019, 817, 398-403.	0.4	3
21	Numerical Modelling of FRCMs Confined Masonry Column. Key Engineering Materials, 2019, 817, 9-14.	0.4	6
22	Mechanical and Thermal Characterization of FRCM-Matrices. Key Engineering Materials, 2019, 817, 189-194.	0.4	8
23	FRP-strengthened masonry. , 2019, , 209-238.		3
24	Residual tensile strength of dry and impregnated reinforcement fibres after exposure to alkaline environments. Composites Part B: Engineering, 2019, 159, 490-501.	5.9	52
25	Hybrid Micro-Modeling Approach for the Analysis of the Cyclic Behavior of RC Frames. Frontiers in Built Environment, 2018, 4, .	1.2	3
26	Brittle failure in RC masonry infilled frames: The role of infill overstrength. Engineering Structures, 2018, 177, 506-518.	2.6	36
27	Fragility functions and floor spectra of RC masonry infilled frames: influence of mechanical properties of masonry infills. Bulletin of Earthquake Engineering, 2018, 16, 6105-6130.	2.3	22
28	Recommendation of RILEM Technical Committee 250-CSM: Test method for Textile Reinforced Mortar to substrate bond characterization. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	114
29	Seismic response evaluation of medical gas and fire-protection pipelinesâ€™ Tee-Joints. Engineering Structures, 2018, 173, 1039-1053.	2.6	12
30	FRCM-confined masonry columns: experimental investigation on the effect of the inorganic matrix properties. Construction and Building Materials, 2018, 186, 811-825.	3.2	87
31	An Artificial Neural Networks model for the prediction of the compressive strength of FRP-confined concrete circular columns. Engineering Structures, 2017, 140, 199-208.	2.6	140
32	Non-linear behaviour of masonry infilled RC frames: Influence of masonry mechanical properties. Engineering Structures, 2017, 150, 875-891.	2.6	41
33	Compressive strength of confined column with Fiber Reinforced Mortar (FRM): New design-oriented-models. Construction and Building Materials, 2017, 156, 387-401.	3.2	90
34	Analysis-oriented model for concrete and masonry confined with fiber reinforced mortar. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	46
35	Class fabric reinforced cementitious matrix: Tensile properties and bond performance on masonry substrate. Composites Part B: Engineering, 2017, 127, 196-214.	5.9	188
36	Properties of Aged GFRP Reinforcement Grids Related to Fatigue Life and Alkaline Environment. Applied Sciences (Switzerland), 2017, 7, 897.	1.3	10

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37	Experimental Study on Bond Behavior in Fiber-Reinforced Concrete with Low Content of Recycled Steel Fiber. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	32
38	Assessing the reliability of non-destructive and moderately invasive techniques for the evaluation of uniaxial compressive strength of stone masonry units. Construction and Building Materials, 2016, 124, 575-581.	3.2	23
39	Evaluation of the infill influence on the elastic period of existing RC frames. Engineering Structures, 2016, 123, 419-433.	2.6	32
40	Unified model for hollow columns externally confined by FRP. Engineering Structures, 2016, 111, 119-130.	2.6	43
41	Experimental characterization of composite-to-brick masonry shear bond. Materials and Structures/Materiaux Et Constructions, 2016, 49, 2581-2596.	1.3	67
42	Effect of thermo-hygrometric exposure on frp, natural stone and their adhesive interface. Composites Part B: Engineering, 2015, 80, 162-176.	5.9	14
43	Rapid visual screening for seismic evaluation of RC hospital buildings. Structures, 2015, 3, 57-70.	1.7	58
44	Ultrasonic pulse velocity for the evaluation of physical and mechanical properties of a highly porous building limestone. Ultrasonics, 2015, 60, 33-40.	2.1	78
45	Effective stiffness in regular R/C frames subjected to seismic loads. Earthquake and Structures, 2015, 9, 481-501.	1.0	6
46	The Interface Behavior between External FRP Reinforcement and Masonry. Key Engineering Materials, 2014, 624, 178-185.	0.4	4
47	Mechanical Characterization of Building Stones through DT and NDT Tests: Research of Correlations for the <i>In Situ</i> Analysis of Ancient Masonry. Key Engineering Materials, 2014, 628, 85-89.	0.4	6
48	Crack width prediction of FRC beams in short and long term bending condition. Materials and Structures/Materiaux Et Constructions, 2014, 47, 39-54.	1.3	28
49	FRP confinement of masonry: analytical modeling. Materials and Structures/Materiaux Et Constructions, 2014, 47, 2101-2115.	1.3	38
50	Influence of matrix grade on the mechanical behaviour of fibre-reinforced concrete. Proceedings of Institution of Civil Engineers: Construction Materials, 2014, 167, 258-270.	0.7	2
51	Long term behavior of FRC flexural beams under sustained load. Engineering Structures, 2013, 56, 1858-1867.	2.6	38
52	Influence of water on bond behavior between CFRP sheet and natural calcareous stones. Composites Part B: Engineering, 2012, 43, 3239-3250.	5.9	41
53	Masonry columns confined by composite materials: Experimental investigation. Composites Part B: Engineering, 2011, 42, 692-704.	5.9	72
54	Masonry columns confined by composite materials: Design formulae. Composites Part B: Engineering, 2011, 42, 705-716.	5.9	47

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55	Wet Lay-Up Manufactured FRPs for Concrete and Masonry Repair: Influence of Water on the Properties of Composites and on Their Epoxy Components. <i>Journal of Composites for Construction</i> , 2010, 14, 823-833.	1.7	62
56	FRP Confinement of Square Masonry Columns. <i>Journal of Composites for Construction</i> , 2009, 13, 148-158.	1.7	73
57	Effect of elevated service temperature on bond between FRP EBR systems and concrete. <i>Composites Part B: Engineering</i> , 2009, 40, 85-93.	5.9	144
58	Interface analysis between FRP EBR system and concrete. <i>Composites Part B: Engineering</i> , 2008, 39, 618-626.	5.9	29
59	Bond Performances of FRP Rebars-Reinforced Concrete. <i>Journal of Materials in Civil Engineering</i> , 2007, 19, 205-213.	1.3	127
60	Structural Upgrading of Masonry Columns by Using Composite Reinforcements. <i>Journal of Composites for Construction</i> , 2007, 11, 650-658.	1.7	60
61	Thermal effects on bond between FRP rebars and concrete. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1223-1230.	3.8	72
62	Structural Performances of Concrete Beams with Hybrid (Fiber-Reinforced Polymer-Steel) Reinforcements. <i>Journal of Composites for Construction</i> , 2002, 6, 133-140.	1.7	128
63	Concrete Cover Failure in FRP Reinforced Beams under Thermal Loading. <i>Journal of Composites for Construction</i> , 1999, 3, 46-52.	1.7	20
64	Modeling of Masonry Vaults as Equivalent Diaphragms. <i>Key Engineering Materials</i> , 0, 628, 185-190.	0.4	2
65	Concrete Reinforced with Recycled Steel Fibers from End of Life Tires: Mix-Design and Application. <i>Key Engineering Materials</i> , 0, 711, 224-231.	0.4	16
66	Cracking Analysis of FRC Beams under Sustained Long-Term Loading. <i>Key Engineering Materials</i> , 0, 711, 844-851.	0.4	0
67	Ageing and Fatigue Combined Effects on GFRP Grids. <i>Key Engineering Materials</i> , 0, 747, 525-532.	0.4	1
68	Confinement of Full-Scale Masonry Columns with FRCM Systems. <i>Key Engineering Materials</i> , 0, 747, 374-381.	0.4	30
69	Experimental Analysis on Bond Behavior of GFRCM Applied on Clay Brick Masonry. <i>Key Engineering Materials</i> , 0, 747, 542-549.	0.4	2
70	Influence of Alkaline Environments on the Mechanical Properties of FRCM/CRM and their Materials. <i>Key Engineering Materials</i> , 0, 817, 195-201.	0.4	3
71	Shear Behavior of Multi Leaf's Masonry Panels with Transversal Connections. <i>Key Engineering Materials</i> , 0, 817, 359-364.	0.4	3
72	Experimental Study on the Fiber-Matrix Interface Behavior of FRCM/CRM Reinforcement Systems. <i>Key Engineering Materials</i> , 0, 916, 409-416.	0.4	1

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73	A Novel Composite Reinforced Mortar for the Structural and Energy Retrofitting of Masonry Panels. Key Engineering Materials, 0, 916, 377-384.	0.4	3