Salvatore Russo

List of Publications by Year
in descending order

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72	1,187	394421 19	454955 30
papers	citations	h-index	g-index

74	74	74	669
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global Sensitivityâ€Based Model Updating for Heritage Structures. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 620-635.	9.8	66
2	Experimental and finite element analysis of a very large pultruded FRP structure subjected to free vibration. Composite Structures, 2012, 94, 1097-1105.	5.8	63
3	On the monitoring of historic Anime Sante church damaged by earthquake in L'Aquila. Structural Control and Health Monitoring, 2013, 20, 1226-1239.	4.0	63
4	Damage Reconnaissance of Unreinforced Masonry Bearing Wall Buildings after the 2015 Gorkha, Nepal, Earthquake. Earthquake Spectra, 2017, 33, 243-273.	3.1	55
5	Free Vibrations of Pultruded FRP Elements: Mechanical Characterization, Analysis, and Applications. Journal of Composites for Construction, 2009, 13, 565-574.	3.2	52
6	Masonry exposed to high temperatures: Mechanical behaviour and propertiesâ€”An overview. Fire Safety Journal, 2013, 55, 69-86.	3.1	49
7	Dynamic investigation on the Mirandola bell tower in post-earthquake scenarios. Bulletin of Earthquake Engineering, 2017, 15, 313-337.	4.1	46
8	Experimental and Theoretical Investigation on Masonry after High Temperature Exposure. Experimental Mechanics, 2012, 52, 341-359.	2.0	44
9	Testing and modelling of dynamic out-of-plane behaviour of the historic masonry faÃ§ade of Palazzo Ducale in Venice, Italy. Engineering Structures, 2013, 46, 130-139.	5.3	43
10	Shape Influence in Buckling of GFRP Pultruded Columns. Mechanics of Composite Materials, 2003, 39, 329-340.	1.4	42
11	Seismic Behavior of a Complex Historical Church in L'Aquila. International Journal of Architectural Heritage, 2014, 8, 718-757.	3.1	42
12	Free vibrations of a pultruded GFRP frame with different rotational stiffnesses of bolted joints. Mechanics of Composite Materials, 2013, 48, 655-668.	1.4	34
13	Seismic Behavior of the San Pietro di Coppito Church Bell Tower in L'Aquila, Italy. Open Civil Engineering Journal, 2012, 6, 131-147.	0.8	34
14	Dynamic Response of a Sheet Pile of Fiber-Reinforced Polymer for Waterfront Barriers. Journal of Composites for Construction, 2011, 15, 974-984.	3.2	33
15	Integrated assessment of monumental structures through ambient vibrations and ND tests: The case of Rialto Bridge. Journal of Cultural Heritage, 2016, 19, 402-414.	3.3	32
16	Damage assessment of GFRP pultruded structural elements. Composite Structures, 2013, 96, 661-669.	5.8	31
17	SHM of Historic Damaged Churches. Advanced Materials Research, 0, 838-841, 2071-2078.	0.3	26
18	Residual strength testing in pultruded FRP material under a variety of temperature cycles and values. Composite Structures, 2015, 133, 458-475.	5.8	26

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19	Buckling of Built-Up Columns of Pultruded Fiber-Reinforced Polymer C-Sections. Journal of Composites for Construction, 2014, 18, .	3.2	25
20	Dissipative capacity on FRP spatial pultruded structure. Composite Structures, 2014, 113, 339-353.	5.8	24
21	Structural Behavior of All-FRP Beam-Column Plate-Bolted Joints. Journal of Composites for Construction, 2016, 20, .	3.2	22
22	Performance of built-up columns made by pultruded FRP material. Composite Structures, 2015, 121, 46-63.	5.8	19
23	Annex and rigid diaphragm effects on the failure analysis and earthquake damages of historic churches. Engineering Failure Analysis, 2016, 59, 122-139.	4.0	15
24	On failure modes and design of multi-bolted FRP plate in structural joints. Composite Structures, 2019, 218, 27-38.	5.8	15
25	Knowledge of the Construction Technique of the Multiple Leaf Masonry FacÌ§ades of Palazzo Ducale in Venice with ND and MD Tests. Advanced Materials Research, 0, 919-921, 318-324.	0.3	13
26	Bucklings interactions in columns made by built-up thin, open, pultruded FRP shapes. Journal of Reinforced Plastics and Composites, 2015, 34, 972-988.	3.1	13
27	Preliminary Investigation on FRP Profiles for the Structural Retrofit of Masonry Structures. Key Engineering Materials, 0, 747, 77-84.	0.4	13
28	ND tests for a first assessment of mechanical behaviour of the stone-covered faÃ§ades of Palazzo Ducale in Venice. WIT Transactions on the Built Environment, 2011, , .	0.0	13
29	Anime Sante Church's Dome After 2009 L'Aquila Earthquake, Monitoring and Strengthening Approaches. Advanced Materials Research, 2012, 446-449, 3467-3485.	0.3	12
30	Mechanical Performance of Pultruded FRP Plates in Beam-to-Beam Connections. Journal of Composites for Construction, 2017, 21, 04017004.	3.2	12
31	Predicted mechanical performance of pultruded FRP material under severe temperature duress. Composite Structures, 2017, 176, 673-683.	5.8	12
32	First investigation on mixed cracks and failure modes in multi-bolted FRP plates. Composite Structures, 2016, 154, 17-30.	5.8	11
33	Failure analysis using acoustic and energy emission assessment of fibre reinforced polymer material performance under severe conditions. Journal of Reinforced Plastics and Composites, 2016, 35, 1075-1090.	3.1	11
34	Dynamic characterization of an all-FRP pultruded construction. Composite Structures, 2019, 218, 1-14.	5.8	11
35	HETEROGENEOUS AND CONTINUOUS MODELS: COMPARATIVE ANALYSIS OF MASONRY WALL SUBJECTED TO DIFFERENTIAL SETTLEMENTS. Composites: Mechanics, Computations, Applications, 2013, 4, 187-207.	0.3	11
36	A new model for predicting crack width with different percentages of reinforcement and concrete strength classes. Materials and Structures/Materiaux Et Constructions, 1999, 32, 520-524.	3.1	10

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37	Assessment of FRP pultruded elements under static and dynamic loads. Composite Structures, 2018, 202, 17-28.	5.8	10
38	A new concrete-glulam prefabricated composite wall system: Thermal behavior, life cycle assessment and structural response. Journal of Building Engineering, 2018, 19, 384-401.	3.4	10
39	Influence of the annex on seismic behavior of historic churches. Engineering Failure Analysis, 2014, 45, 300-313.	4.0	9
40	Evaluation of static and dynamic long-term structural monitoring for monumental masonry structure. Journal of Civil Structural Health Monitoring, 2019, 9, 169-182.	3.9	9
41	Structural and Thermal Behaviour of a Timber-concrete Prefabricated Composite Wall System. Energy Procedia, 2015, 78, 2730-2735.	1.8	8
42	Perspectives Of Employment Of Pultruded FRP Structural Elements In Seismic Engineering Field. AIP Conference Proceedings, 2008, , .	0.4	7
43	Numerical Investigation on the Residual Behaviour of Masonry Walls Damaged by Fire Exposure. Key Engineering Materials, 0, 624, 230-237.	0.4	7
44	Collapse Mechanisms due to Earthquake in the Structural Typologies of Historic Constructions: The Case of Mirandola. Key Engineering Materials, 0, 624, 59-65.	0.4	6
45	Shear and Local Effects in All-FRP Bolted Built-Up Columns. Advances in Structural Engineering, 2015, 18, 1227-1240.	2.4	6
46	Simplified procedure for structural integrity's evaluation of monuments in constrained context: The case of a Buddhist Temple in Bagan (Myanmar). Journal of Cultural Heritage, 2017, 27, 48-59.	3.3	6
47	Approach and methodology in understanding the structural behaviour of historic arch bridges through dynamic monitoring: the case of Rialto bridge in Venice. IABSE Symposium Report, 2010, , .	0.0	6
48	Anime Sante Church's Dome After 2009 L'Aquila Earthquake, Monitoring and Strengthening Approaches. Advanced Materials Research, 0, 446-449, 3467-3485.	0.3	6
49	FE modelling and experimental investigation on adhesive joints between clay brick and pultruded frp profiles. Construction and Building Materials, 2019, 226, 601-615.	7.2	5
50	Seismic monitoring by piezoelectric accelerometers of a damaged historical monument in downtown Lâ€™Aquila. Annals of Geophysics, 2015, 57, .	1.0	5
51	Investigation on buckling of all-FRP bolted built-up columns. IES Journal Part A: Civil and Structural Engineering, 2014, 7, 174-194.	0.4	4
52	Creep Effects in Pultruded FRP Beams. Mechanics of Composite Materials, 2016, 52, 27-42.	1.4	4
53	Microstructural analysis of GFRP failure mechanisms after compressive load and temperature duress. Composite Structures, 2018, 203, 875-885.	5.8	4
54	Pushover Analysis of GFRP Pultruded Frames. Mechanics of Composite Materials, 2015, 51, 593-608.	1.4	3

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55	Residual Mechanical Parameters of Masonry Exposed to Fire: A New Numerical Approach. Advanced Materials Research, 0, 1119, 700-705.	0.3	3
56	Experimental Analysis of Failure Mechanisms in Masonry-PFRP Profiles Connections. Advances in Civil Engineering, 2018, 2018, 1-11.	0.7	3
57	Damage assessment of Nepal heritage through ambient vibration analysis and visual inspection. Structural Control and Health Monitoring, 2020, 27, e2493.	4.0	3
58	Damage Assessment and Dynamic Characteristics of Temples in Nepal Post Gorkha 2015 Earthquake. International Journal of Architectural Heritage, 2021, 15, 479-493.	3.1	3
59	Nonâ€destructive techniques for structural characterization of cultural heritage: A pilot case study. Structural Control and Health Monitoring, 2021, 28, e2820.	4.0	3
60	Dynamic Parameters of Pultruded GFRP Structures for Seismic Protection of Historical Building Heritage. Key Engineering Materials, 2014, 624, 461-469.	0.4	2
61	Mechanical Vibrations Applied to Nondestructive Evaluation of Materials and Structures. Shock and Vibration, 2017, 2017, 1-2.	0.6	2
62	STRUCTURAL JOINTS MADE BY FRP AND STEEL: A NEW PROPOSAL OF ANALYSIS BASED ON THE PROGRESSIVE DAMAGE APPROACH. Composites: Mechanics, Computations, Applications, 2015, 6, 87-104.	0.3	2
63	Preliminary Numerical Analysis of a Masonry Panel Reinforced with Pultruded GFRP Profiles. Materials Science Forum, 2017, 902, 20-25.	0.3	1
64	FRP Pultruded Material as Reinforcement for Masonry: Expected Interaction in the Medium and Long Time. Key Engineering Materials, 2019, 817, 89-94.	0.4	1
65	Dynamic Characterization of Nepali Masonry Temples Hit by 2015 Earthquake. Key Engineering Materials, 0, 817, 659-664.	0.4	1
66	Half-Scale Tests on Masonry Panels Strengthened with Pultruded FRP Frames. Key Engineering Materials, 0, 817, 95-102.	0.4	1
67	GFRP Structures Subjected to Dynamic Action. , 2011, , 127-130.		1
68	FE PROGRESSIVE FAILURE ANALYSIS OF ALL-GFRP PULTRUDED BEAM-COLUMN BOLTED JOINTS. Composites: Mechanics, Computations, Applications, 2014, 5, 173-193.	0.3	1
69	On the Performance of a Very Large All-GFRP Strut and Tie Structure. Mechanics of Composite Materials, 2014, 50, 404-416.	1.4	0
70	Influence of Very Old Masonry in the Seismic Damage of an Historic Tower. Applied Mechanics and Materials, 0, 789-790, 1156-1161.	0.2	0
71	Proposal of the concrete-GFR P interaction models. Composites: Mechanics, Computations, Applications, 2014, 5, 273-303.	0.3	0
72	Reliability of vibration based tests for masonry compactness evaluation in sensitive case studies. Journal of Measurements in Engineering, 2019, 7, 1-11.	0.6	0