

# Salvatore Russo

## List of Publications by Year in descending order

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72  
papers

1,187  
citations

394421

19  
h-index

454955

30  
g-index

74  
all docs

74  
docs citations

74  
times ranked

669  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | 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         |
| 2  | Non-destructive techniques for structural characterization of cultural heritage: A pilot case study. Structural Control and Health Monitoring, 2021, 28, e2820.                                  | 4.0 | 3         |
| 3  | Damage assessment of Nepal heritage through ambient vibration analysis and visual inspection. Structural Control and Health Monitoring, 2020, 27, e2493.   | 4.0 | 3         |
| 4  | 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         |
| 5  | 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         |
| 6  | 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         |
| 7  | On failure modes and design of multi-bolted FRP plate in structural joints. Composite Structures, 2019, 218, 27-38.  | 5.8 | 15        |
| 8  | Dynamic characterization of an all-FRP pultruded construction. Composite Structures, 2019, 218, 1-14.  | 5.8 | 11        |
| 9  | 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         |
| 10 | Assessment of FRP pultruded elements under static and dynamic loads. Composite Structures, 2018, 202, 17-28.   | 5.8 | 10        |
| 11 | Experimental Analysis of Failure Mechanisms in Masonry-PFRP Profiles Connections. Advances in Civil Engineering, 2018, 2018, 1-11.   | 0.7 | 3         |
| 12 | Microstructural analysis of GFRP failure mechanisms after compressive load and temperature duress. Composite Structures, 2018, 203, 875-885.   | 5.8 | 4         |
| 13 | 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        |
| 14 | 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         |
| 15 | Mechanical Performance of Pultruded FRP Plates in Beam-to-Beam Connections. Journal of Composites for Construction, 2017, 21, 04017004.  | 3.2 | 12        |
| 16 | Predicted mechanical performance of pultruded FRP material under severe temperature duress. Composite Structures, 2017, 176, 673-683.  | 5.8 | 12        |
| 17 | Dynamic investigation on the Mirandola bell tower in post-earthquake scenarios. Bulletin of Earthquake Engineering, 2017, 15, 313-337.   | 4.1 | 46        |
| 18 | Preliminary Numerical Analysis of a Masonry Panel Reinforced with Pultruded GFRP Profiles. Materials Science Forum, 2017, 902, 20-25.  | 0.3 | 1         |

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|----|--|-----|-----------|
| 19 | Mechanical Vibrations Applied to Nondestructive Evaluation of Materials and Structures. Shock and Vibration, 2017, 2017, 1-2.  | 0.6 | 2         |
| 20 | Damage Reconnaissance of Unreinforced Masonry Bearing Wall Buildings after the 2015 Gorkha, Nepal, Earthquake. Earthquake Spectra, 2017, 33, 243-273.  | 3.1 | 55        |
| 21 | 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        |
| 22 | First investigation on mixed cracks and failure modes in multi-bolted FRP plates. Composite Structures, 2016, 154, 17-30.  | 5.8 | 11        |
| 23 | 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        |
| 24 | 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        |
| 25 | Creep Effects in Pultruded FRP Beams. Mechanics of Composite Materials, 2016, 52, 27-42.   | 1.4 | 4         |
| 26 | Structural Behavior of All-FRP Beam-Column Plate-Bolted Joints. Journal of Composites for Construction, 2016, 20, .  | 3.2 | 22        |
| 27 | Pushover Analysis of GFRP Pultruded Frames. Mechanics of Composite Materials, 2015, 51, 593-608.   | 1.4 | 3         |
| 28 | Shear and Local Effects in All-FRP Bolted Built-Up Columns. Advances in Structural Engineering, 2015, 18, 1227-1240.   | 2.4 | 6         |
| 29 | Global Sensitivity-Based Model Updating for Heritage Structures. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 620-635.   | 9.8 | 66        |
| 30 | Structural and Thermal Behaviour of a Timber-concrete Prefabricated Composite Wall System. Energy Procedia, 2015, 78, 2730-2735.   | 1.8 | 8         |
| 31 | Residual strength testing in pultruded FRP material under a variety of temperature cycles and values. Composite Structures, 2015, 133, 458-475.  | 5.8 | 26        |
| 32 | 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        |
| 33 | Performance of built-up columns made by pultruded FRP material. Composite Structures, 2015, 121, 46-63.  | 5.8 | 19        |
| 34 | Seismic monitoring by piezoelectric accelerometers of a damaged historical monument in downtown L'Aquila. Annals of Geophysics, 2015, 57, .  | 1.0 | 5         |
| 35 | 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         |
| 36 | Seismic Behavior of a Complex Historical Church in L'Aquila. International Journal of Architectural Heritage, 2014, 8, 718-757.  | 3.1 | 42        |

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|----|---|-----|-----------|
| 37 | Dynamic Parameters of Pultruded GFRP Structures for Seismic Protection of Historical Building Heritage. <i>Key Engineering Materials</i> , 2014, 624, 461-469.                                | 0.4 | 2         |
| 38 | Investigation on buckling of all-FRP bolted built-up columns. <i>IES Journal Part A: Civil and Structural Engineering</i> , 2014, 7, 174-194.   | 0.4 | 4         |
| 39 | Influence of the annex on seismic behavior of historic churches. <i>Engineering Failure Analysis</i> , 2014, 45, 300-313.   | 4.0 | 9         |
| 40 | On the Performance of a Very Large All-GFRP Strut and Tie Structure. <i>Mechanics of Composite Materials</i> , 2014, 50, 404-416.   | 1.4 | 0         |
| 41 | Dissipative capacity on FRP spatial pultruded structure. <i>Composite Structures</i> , 2014, 113, 339-353.  | 5.8 | 24        |
| 42 | Buckling of Built-Up Columns of Pultruded Fiber-Reinforced Polymer C-Sections. <i>Journal of Composites for Construction</i> , 2014, 18, .  | 3.2 | 25        |
| 43 | FE PROGRESSIVE FAILURE ANALYSIS OF ALL-GFRP PULTRUDED BEAM-COLUMN BOLTED JOINTS. <i>Composites: Mechanics, Computations, Applications</i> , 2014, 5, 173-193.                                 | 0.3 | 1         |
| 44 | Proposal of the concrete-GFRP interaction models. <i>Composites: Mechanics, Computations, Applications</i> , 2014, 5, 273-303.  | 0.3 | 0         |
| 45 | On the monitoring of historic Anime Sante church damaged by earthquake in L'Aquila. <i>Structural Control and Health Monitoring</i> , 2013, 20, 1226-1239.                                    | 4.0 | 63        |
| 46 | Free vibrations of a pultruded GFRP frame with different rotational stiffnesses of bolted joints. <i>Mechanics of Composite Materials</i> , 2013, 48, 655-668.                                | 1.4 | 34        |
| 47 | Masonry exposed to high temperatures: Mechanical behaviour and properties – An overview. <i>Fire Safety Journal</i> , 2013, 55, 69-86.  | 3.1 | 49        |
| 48 | Damage assessment of GFRP pultruded structural elements. <i>Composite Structures</i> , 2013, 96, 661-669.   | 5.8 | 31        |
| 49 | Testing and modelling of dynamic out-of-plane behaviour of the historic masonry facade of Palazzo Ducale in Venice, Italy. <i>Engineering Structures</i> , 2013, 46, 130-139.                 | 5.3 | 43        |
| 50 | HETEROGENEOUS AND CONTINUOUS MODELS: COMPARATIVE ANALYSIS OF MASONRY WALL SUBJECTED TO DIFFERENTIAL SETTLEMENTS. <i>Composites: Mechanics, Computations, Applications</i> , 2013, 4, 187-207. | 0.3 | 11        |
| 51 | Anime Sante Church's Dome After 2009 L'Aquila Earthquake, Monitoring and Strengthening Approaches. <i>Advanced Materials Research</i> , 2012, 446-449, 3467-3485.                             | 0.3 | 12        |
| 52 | Experimental and Theoretical Investigation on Masonry after High Temperature Exposure. <i>Experimental Mechanics</i> , 2012, 52, 341-359.   | 2.0 | 44        |
| 53 | Experimental and finite element analysis of a very large pultruded FRP structure subjected to free vibration. <i>Composite Structures</i> , 2012, 94, 1097-1105.                              | 5.8 | 63        |
| 54 | Seismic Behavior of the San Pietro di Coppito Church Bell Tower in L'Aquila, Italy. <i>Open Civil Engineering Journal</i> , 2012, 6, 131-147.   | 0.8 | 34        |

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|----|--|-----|-----------|
| 55 | 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        |
| 56 | GFRP Structures Subjected to Dynamic Action. , 2011, , 127-130.  |     | 1         |
| 57 | ND tests for a first assessment of mechanical behaviour of the stone-covered façades of Palazzo Ducale in Venice. WIT Transactions on the Built Environment, 2011, , .                         | 0.0 | 13        |
| 58 | 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         |
| 59 | Free Vibrations of Pultruded FRP Elements: Mechanical Characterization, Analysis, and Applications. Journal of Composites for Construction, 2009, 13, 565-574.                                 | 3.2 | 52        |
| 60 | Perspectives Of Employment Of Pultruded FRP Structural Elements In Seismic Engineering Field. AIP Conference Proceedings, 2008, , .  | 0.4 | 7         |
| 61 | Shape Influence in Buckling of GFRP Pultruded Columns. Mechanics of Composite Materials, 2003, 39, 329-340.  | 1.4 | 42        |
| 62 | 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        |
| 63 | SHM of Historic Damaged Churches. Advanced Materials Research, 0, 838-841, 2071-2078.  | 0.3 | 26        |
| 64 | Numerical Investigation on the Residual Behaviour of Masonry Walls Damaged by Fire Exposure. Key Engineering Materials, 0, 624, 230-237.   | 0.4 | 7         |
| 65 | 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         |
| 66 | Knowledge of the Construction Technique of the Multiple Leaf Masonry Façades of Palazzo Ducale in Venice with ND and MD Tests. Advanced Materials Research, 0, 919-921, 318-324.               | 0.3 | 13        |
| 67 | 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         |
| 68 | Residual Mechanical Parameters of Masonry Exposed to Fire: A New Numerical Approach. Advanced Materials Research, 0, 1119, 700-705.  | 0.3 | 3         |
| 69 | Preliminary Investigation on FRP Profiles for the Structural Retrofit of Masonry Structures. Key Engineering Materials, 0, 747, 77-84.   | 0.4 | 13        |
| 70 | Dynamic Characterization of Nepali Masonry Temples Hit by 2015 Earthquake. Key Engineering Materials, 0, 817, 659-664.   | 0.4 | 1         |
| 71 | Half-Scale Tests on Masonry Panels Strengthened with Pultruded FRP Frames. Key Engineering Materials, 0, 817, 95-102.  | 0.4 | 1         |
| 72 | 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         |