

# Silvia Santini

## List of Publications by Year in descending order

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26  
papers

419  
citations

1040056

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h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

463  
citing authors

#	ARTICLE	IF	CITATIONS
1	Damage patterns in the town of Amatrice after August 24th 2016 Central Italy earthquakes. Bulletin of Earthquake Engineering, 2018, 16, 1399-1423.	4.1	103
2	Damage, Vulnerability and Retrofitting Strategies for the Molise Hospital System following the 2002 Molise, Italy, Earthquake. Earthquake Spectra, 2004, 20, 285-299.	3.1	56
3	Design of FRP Jackets for Upgrade of Circular Bridge Piers. Journal of Composites for Construction, 2001, 5, 94-101.	3.2	45
4	Severely Damaged Reinforced Concrete Circular Columns Repaired by Turned Steel Rebar and High-Performance Concrete Jacketing with Steel or Polymer Fibers. Applied Sciences (Switzerland), 2018, 8, 1671.	2.5	35
5	Design by testing: A procedure for the statistical determination of capacity models. Construction and Building Materials, 2009, 23, 1487-1494.	7.2	31
6	Reliability-based Calibration of Partial Safety Coefficients for Fiber-Reinforced Plastic. Journal of Composites for Construction, 2002, 6, 162-167.	3.2	23
7	Experimental Investigation of the Shear Strength of RC Beams Extracted from an Old Structure and Strengthened by Carbon FRP U-Strips. Applied Sciences (Switzerland), 2018, 8, 1182.	2.5	18
8	Experimental program for pseudodynamic tests on repaired and retrofitted bridge piers. European Journal of Environmental and Civil Engineering, 2009, 13, 671-683.	2.1	17
9	Experimental tests on existing RC beams strengthened in flexure and retrofitted for shear by C-FRP in presence of negative moments. International Journal of Advanced Structural Engineering, 2018, 10, 211-232.	1.3	15
10	ULTRA-HIGH-PERFORMANCE FIBER-REINFORCED CONCRETE JACKET FOR THE REPAIR AND THE SEISMIC RETROFITTING OF ITALIAN AND CHINESE RC BRIDGES. , 2017, , .		13
11	Comparison of different finite element model updates based on experimental onsite testing: the case study of San Giovanni in Macerata. Journal of Civil Structural Health Monitoring, 2021, 11, 767-790.	3.9	11
12	Shear Behavior Of Existing RC T-Beams Strengthened With CFRP. , 2013, , .		7
13	Asynchronous earthquake strong motion and RC bridges response. Journal of Traffic and Transportation Engineering (English Edition), 2018, 5, 454-466.	4.2	6
14	Sustainable Interventions: Conservation of Old Timber Roof of Michelangelo's Cloister in Diocletian's Baths. International Journal of Architectural Heritage, 2023, 17, 500-517.	3.1	6
15	Sustainable Recovery of Architectural Heritage: The Experience of a Worksite School in San Salvador. Sustainability, 2022, 14, 608.	3.2	6
16	Experimental Investigation of the Seismic Response of Repaired R.C. Bridges by Means of Pseudodynamic Tests. , 2010, , .		5
17	Seismic Assessment of Roman Concrete Groin Vaults through UAV, NDT and 3D Analyses. Heritage, 2022, 5, 311-331.	1.9	5
18	Rapid Repair Technique to Improve Plastic Dissipation of Existing Chinese RC Bridges. Applied Mechanics and Materials, 2016, 847, 204-209.	0.2	4

#	ARTICLE	IF	CITATIONS
19	Smart Materials: Cementitious Mortars and PCM Mechanical and Thermal Characterization. Materials, 2021, 14, 4163.	2.9	3
20	Setup Optimization of Experimental Measures on a Historical Building: The Octagonal Hall of the Diocletianâ€™s Bath. Heritage, 2021, 4, 2205-2223.	1.9	3
21	Circular RC Sections Confined with FRP: Modeling and Design. , 2001, , 1.		2
22	The Structural Diagnosis of Existing RC Buildings: The Role of Nondestructive Tests in the Case of Low Concrete Strength. Infrastructures, 2020, 5, 100.	2.8	2
23	Experimental Tests on FRP Shear Retrofitted RC Beams. , 2011, , 759-762.		1
24	MODEL UPDATING OF A MASONRY HISTORICAL CHURCH BASED ON OPERATIONAL MODAL ANALYSIS: THE CASE STUDY OF SAN FILIPPO NERI IN MACERATA. , 2019, , .		1
25	Onsite Testing for Nonlinear Analysis of an Earthquake Damaged Historical Church in Italy. Applied Sciences (Switzerland), 2021, 11, 11755.	2.5	1
26	Procedure for the Statistical Determination of the Design FRP-Confined Concrete Strength. , 2011, , 634-637.		0