

# Giada Gasparini

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

1,058  
citations

361413

20  
h-index

454955

30  
g-index

83  
all docs

83  
docs citations

83  
times ranked

560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical response of dot-by-dot wire-and-arc additively manufactured 304L stainless steel bars under tensile loading. <i>Construction and Building Materials</i> , 2022, 318, 125925.	7.2	22
2	Comprehensive Review on the Dynamic and Seismic Behavior of Flat-Bottom Cylindrical Silos Filled With Granular Material. <i>Frontiers in Built Environment</i> , 2022, 7, .	2.3	9
3	On the influence of the geometrical irregularities in the mechanical response of Wire-and-Arc Additively Manufactured planar elements. <i>Journal of Constructional Steel Research</i> , 2021, 178, 106490.	3.9	55
4	A time domain approach for data interpretation from long-term static monitoring of historical structures. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2708.	4.0	3
5	Experimental behaviour of Wire-and-Arc Additively Manufactured stainless steel rods. <i>Ce/Papers</i> , 2021, 4, 2387-2392.	0.3	7
6	Analytical estimation of the key performance points of the tensile force-displacement response of Crescent Shaped Braces. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 148, 106839.	3.8	7
7	Seismic Design and Performances of Frame Structures Connected to a Strongback System and Equipped with Different Configurations of Supplemental Viscous Dampers. <i>Frontiers in Built Environment</i> , 2021, 7, .	2.3	3
8	Predicting Compressive Strength of 3D Printed Mortar in Structural Members Using Machine Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10826.	2.5	19
9	Tensile properties and microstructural features of 304L austenitic stainless steel produced by wire-and-arc additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 3693-3705.	3.0	107
10	Experimental results for structural design of Wire-and-Arc Additive Manufactured stainless steel members. <i>Journal of Constructional Steel Research</i> , 2020, 167, 105858.	3.9	67
11	Computational design and manufacturing of a half-scaled 3D-printed stainless steel diagrid column. <i>Additive Manufacturing</i> , 2020, 36, 101505.	3.0	21
12	Assessment of design mechanical parameters and partial safety factors for Wire-and-Arc Additive Manufactured stainless steel. <i>Engineering Structures</i> , 2020, 225, 111314.	5.3	31
13	Estimating Fundamental Dynamic Properties of Structures with Supplemental Dampers by Means of Generalized Single Degree of Freedom Systems. <i>Journal of Earthquake Engineering</i> , 2020, , 1-30.	2.5	1
14	Long-Term Seismometric Monitoring of the Two Towers of Bologna (Italy): Modal Frequencies Identification and Effects Due to Traffic Induced Vibrations. <i>Frontiers in Built Environment</i> , 2020, 6, .	2.3	12
15	High performance mortar for ductile seismic-resistant unreinforced masonry systems. <i>Construction and Building Materials</i> , 2020, 245, 118385.	7.2	4
16	Optimization studies on diagrid columns realized with Wire-and-Arc Additive Manufacturing process. , 2019, , .		2
17	Geometrical Characterization of Wire-and-Arc Additive Manufactured Steel Element. <i>Advanced Materials Letters</i> , 2019, 10, 695-699.	0.6	21
18	AN ASSESSMENT OF THE STRUCTURAL BEHAVIOUR OF THE GARISENDA TOWER IN BOLOGNA THROUGH FINITE ELEMENT MODELLING AND STRUCTURAL HEALTH MONITORING. , 2019, , .		2

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19	IDENTIFICATION THROUGH SEISMOMETRIC MEASUREMENTS OF TRANSIENTS PROPAGATING INSIDE THE ASINELLI AND GARISENDA TOWERS (BOLOGNA, ITALY), IMPLICATION ON STRUCTURAL MODELING AND STATE OF HEALTH MONITORING. , 2019, , .		0
20	THE APPLICATION OF WELD-BASED ADDITIVE MANUFACTURING STEEL TO STRUCTURAL ENGINEERING. Proceedings of International Structural Engineering and Construction, 2019, 6, .	0.1	0
21	SEISMIC DESIGN OF FRAME STRUCTURES EQUIPPED WITH INNOVATIVE HYSTERETIC DISSIPATIVE DEVICES. Proceedings of International Structural Engineering and Construction, 2019, 6, .	0.1	0
22	Coupled Response of Frame Structures Connected to a Strongback. Journal of Structural Engineering, 2018, 144, .	3.4	7
23	Energy Dissipation Systems for Seismic Vibration-Induced Damage Mitigation in Building Structures: Development, Modeling, Analysis, and Design. Shock and Vibration, 2018, 2018, 1-2.	0.6	0
24	A "direct five-step procedure" for the preliminary seismic design of buildings with added viscous dampers. Engineering Structures, 2018, 173, 933-950.	5.3	32
25	On the peak inter-storey drift and peak inter-storey velocity profiles for frame structures. Soil Dynamics and Earthquake Engineering, 2017, 94, 18-34.	3.8	15
26	Experimental tests on Crescent Shaped Braces hysteretic devices. Engineering Structures, 2017, 144, 185-200.	5.3	28
27	The role of ductility in the collapse of a long-span steel roof in North Italy. Engineering Failure Analysis, 2017, 82, 243-265.	4.0	10
28	On the Fundamental Periods of Vibration of Flat-Bottom Ground-Supported Circular Silos containing Gran-like Material. Procedia Engineering, 2017, 199, 248-253.	1.2	8
29	A direct design procedure for frame structures with added viscous dampers for the mitigation of earthquake-induced vibrations. Procedia Engineering, 2017, 199, 1755-1760.	1.2	5
30	A comprehensive study on the seismic response of one-storey asymmetric systems. Bulletin of Earthquake Engineering, 2017, 15, 1497-1517.	4.1	6
31	Strong-Back System Coupled with Framed Structure to Control the Building Seismic Response. Journal of Civil & Environmental Engineering, 2017, 07, .	0.1	3
32	Mechanical Vibrations Applied to Nondestructive Evaluation of Materials and Structures. Shock and Vibration, 2017, 2017, 1-2.	0.6	2
33	The structural behaviour of the masonry vaults of the Cathedral of Modena. , 2017, , .		4
34	Structural Strengthening of the Portico of the Santa Maria Dei Servi Church in Bologna. Applied Mechanics and Materials, 2016, 847, 354-360.	0.2	0
35	Shaking-table tests of flat-bottom circular silos containing grain-like material. Earthquake Engineering and Structural Dynamics, 2016, 45, 69-89.	4.4	27
36	Corrigendum to "Multi-performance seismic design through an enhanced first-storey isolation system" [Eng. Struct. 59 (2014) 495-506]. Engineering Structures, 2016, 122, 349.	5.3	0

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37	Experimentally-validated modelling of thin RC sandwich walls subjected to seismic loads. <i>Engineering Structures</i> , 2016, 119, 95-109.	5.3	32
38	A Direct Five-Step Procedure for the Dimensioning of Viscous Dampers to Be Inserted in Frame Structures. <i>Applied Mechanics and Materials</i> , 2016, 847, 233-239.	0.2	1
39	Peak velocities estimation for a direct five-step design procedure of inter-storey viscous dampers. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 599-619.	4.1	24
40	Application of the Equivalent Static Analysis procedure for the seismic design of buildings with added viscous dampers. , 2016, , .		0
41	Seismic horizontal forces exerted by granular material on flat bottom silos: experimental and analytical results. , 2016, , .		3
42	Maximum Corner Displacement Amplifications for Inelastic One-Storey In-Plan Asymmetric Systems Under Seismic Excitation. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2016, , 243-254.	0.2	0
43	Italy's new forensic engineering research centre: a progress report. <i>Proceedings of the Institution of Civil Engineers: Forensic Engineering</i> , 2015, 168, 17-24.	0.5	1
44	SSHM and DSHM for a better knowledge and risk prevention of historical buildings: The cases of the Two Towers in Bologna and the Cathedral in Modena. , 2015, , .		1
45	Application of a Direct Procedure for the Seismic Retrofit of a R/C School Building Equipped with Viscous Dampers. <i>Frontiers in Built Environment</i> , 2015, 1, .	2.3	1
46	Seismic Modal Contribution Factors. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 2867-2891.	4.1	18
47	Shaking Table Test Design to Evaluate Earthquake Capacity of a 3-Storey Building Specimen Composed of Cast-In-Situ Concrete Walls. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2015, , 345-358.	0.2	1
48	Reference Quantities and Values for a Possible Interpretation of the Data Acquired from Monitoring System of Historical Buildings. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2015, , 111-126.	0.2	0
49	Refinements to the Silvestri's theory for the evaluation of the seismic actions in flat-bottom silos containing grain-like material. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 3493-3525.	4.1	20
50	An approach for the mechanical characterisation of the Asinelli Tower (Bologna) in presence of insufficient experimental data. <i>Journal of Cultural Heritage</i> , 2015, 16, 536-543.	3.3	16
51	Crescent shaped braces for the seismic design of building structures. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 1485-1502.	3.1	36
52	EXPERIMENTS ON CRESCENT SHAPED BRACES. <i>Proceedings of International Structural Engineering and Construction</i> , 2015, 2, .	0.1	1
53	EFFECT OF THE GRAIN SLIDING ON THE SEISMIC BEHAVIOR OF CIRCULAR SILOS: A THEORETICAL FORMULATION. <i>Proceedings of International Structural Engineering and Construction</i> , 2015, 2, .	0.1	0
54	Multi-performance seismic design through an enhanced first-storey isolation system. <i>Engineering Structures</i> , 2014, 59, 495-506.	5.3	21

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55	Preliminary interpretation of shaking-table response of a full-scale 3-storey building composed of thin reinforced concrete sandwich walls. <i>Engineering Structures</i> , 2014, 76, 75-89.	5.3	22
56	A statistical study on the peak ground parameters and amplification factors for an updated design displacement spectrum and a criterion for the selection of recorded ground motions. <i>Engineering Structures</i> , 2014, 76, 163-176.	5.3	14
57	The first year of activities of the "Observatory Claudio Ceccoli" on the defects of the building structures. , 2014, , .		0
58	On the dimensioning of viscous dampers for the mitigation of the earthquake-induced effects in moment-resisting frame structures. <i>Bulletin of Earthquake Engineering</i> , 2013, 11, 2429-2446.	4.1	29
59	Results of pseudo-static tests with cyclic horizontal load on cast in situ sandwich squat concrete walls. <i>Engineering Structures</i> , 2013, 54, 131-149.	5.3	43
60	Physically Based Prediction of the Maximum Corner Displacement of One-Storey Eccentric Systems. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2013, , 137-153.	0.2	0
61	Physically-based prediction of the maximum corner displacement magnification of one-storey eccentric systems. <i>Bulletin of Earthquake Engineering</i> , 2013, 11, 1467-1491.	4.1	17
62	Force reduction factor for building structures equipped with added viscous dampers. <i>Bulletin of Earthquake Engineering</i> , 2013, 11, 1661-1681.	4.1	22
63	On the evaluation of the horizontal forces produced by grain-like material inside silos during earthquakes. <i>Bulletin of Earthquake Engineering</i> , 2012, 10, 1535-1560.	4.1	34
64	A Special Solution for Lateral-Resisting Systems Capable of Multiple Seismic Performances. , 2011, , .		0
65	Structural evaluation of the Palazzo della Civilt� Italiana in Rome. <i>Structure and Infrastructure Engineering</i> , 2011, 7, 147-162.	3.7	1
66	Seismic design of a precast r.c. structure equipped with viscous dampers. <i>Earthquake and Structures</i> , 2011, 2, 297-321.	1.0	14
67	A new procedure for probabilistic seismic hazard analysis. , 2011, , 1588-1595.		0
68	On the schematization of design response spectra as a stochastic model. , 2011, , 1580-1587.		0
69	Use of Crescent Shaped Braces for Controlled Seismic Design of Ductile Structures. <i>Journal of Civil Engineering and Architecture</i> , 2011, 5, ,	0.1	0
70	A Case Study of a Building in L'Aquila, Italy for Evaluating the Effects of Masonry Infills on the Seismic Behavior of R.C. Frame Structures. , 2010, , .		0
71	Stiffness-Strength-Ductility Design Approach: an application to a five-storey steel building structure. <i>IABSE Symposium Report</i> , 2010, , .	0.0	0
72	Correlations Between the Experimental Results of Pseudo-Static Tests with Cyclic Horizontal Load on Concrete/Polystyrene Sandwich Bearing Panels and their analytical counterparts. <i>IABSE Symposium Report</i> , 2010, , .	0.0	0

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73	Identification of Uniform Hazard Time-Histories for Seismic Design. , 2010, , .		0
74	An Application of a Proposed Stiffness-Strength-Ductility Design Approach to a Five Storey Steel Building Structure. , 2010, , .		0
75	Seismic Analysis for the Structural Retrofit of "Palazzo della Civilt� Italiana" in Rome EUR, Italy. Advanced Materials Research, 2010, 133-134, 753-758.	0.3	0
76	A Proposed Approach for Probabilistic Seismic Hazard Analysis. , 2010, , .		0
77	A Five-Step Procedure for the Dimensioning of Viscous Dampers to Be Inserted in Building Structures. Journal of Earthquake Engineering, 2010, 14, 417-447.	2.5	80
78	Numerical Verification of the Effectiveness of the "Alpha" Method for the Estimation of the Maximum Rotational Elastic Response of Eccentric Systems. Journal of Earthquake Engineering, 2008, 12, 249-280.	2.5	13
79	New insight into and simplified approach to seismic analysis of torsionally coupled one-story, elastic systems. Journal of Sound and Vibration, 2005, 286, 265-312.	3.9	24
80	A Structural Analysis of the Modena Cathedral. International Journal of Architectural Heritage, 0, , .	3.1	13
81	Structural Interpretation of Data from Static and Dynamic Structural Health Monitoring of Monumental Buildings. Key Engineering Materials, 0, 747, 431-439.	0.4	16