

Claudio Amadio

List of Publications by Year in descending order

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54
papers

1,256
citations

331642

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docs citations

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times ranked

942
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Pushover Curves for X-Concentric Braced Steel Frames. <i>Buildings</i> , 2022, 12, 413.	3.1	1
2	Design of X-Concentric Braced Steel Frame Systems Using an Equivalent Stiffness in a Modal Elastic Analysis. <i>Buildings</i> , 2022, 12, 359.	3.1	2
3	Improving the seismic capacity of steel-concrete composite frames with spiral-confined slabs. <i>Advances in Structural Engineering</i> , 2022, 25, 1972-1987.	2.4	8
4	Calibrated Numerical Approach for the Dynamic Analysis of Glass Curtain Walls under Sphericoconical Bag Impact. <i>Buildings</i> , 2021, 11, 154.	3.1	12
5	On the behaviour of steel CBF for industrial buildings subjected to seismic sequences. <i>Structures</i> , 2020, 28, 2175-2187.	3.6	9
6	Mechanical analysis and characterization of IGUs with different silicone sealed spacer connections - Part 1: experiments. <i>Glass Structures and Engineering</i> , 2020, 5, 301-325.	1.7	10
7	Mechanical analysis and characterization of IGUs with different silicone sealed spacer connections - Part 2: modelling. <i>Glass Structures and Engineering</i> , 2020, 5, 327-346.	1.7	10
8	Cyclic behavior of masonry walls strengthened by tie rods. <i>Engineering Structures</i> , 2019, 184, 287-300.	5.3	6
9	The influence of earthquake vertical component on the seismic response of masonry structures. <i>Engineering Structures</i> , 2019, 185, 184-193.	5.3	21
10	Safety Issues in the Seismic Design of Secondary Frameless Glass Structures. <i>Safety</i> , 2019, 5, 80.	1.7	14
11	Effects of seismic sequences on masonry structures. <i>Engineering Structures</i> , 2018, 166, 227-239.	5.3	23
12	Identification of mesoscale model parameters for brick-masonry. <i>International Journal of Solids and Structures</i> , 2018, 146, 224-240.	2.7	31
13	A linear formulation for the ULS design of glass elements under combined loads: application to IGUs. <i>Glass Structures and Engineering</i> , 2018, 3, 289-301.	1.7	5
14	Sensitivity analysis and calibration of phenomenological models for seismic analyses. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 109, 10-22.	3.8	8
15	Numerical assessment of vibration control systems for multi-hazard design and mitigation of glass curtain walls. <i>Journal of Building Engineering</i> , 2018, 15, 1-13.	3.4	60
16	TOSCA: a Tool for Optimisation in Structural and Civil engineering Analyses. <i>International Journal of Advanced Structural Engineering</i> , 2018, 10, 401-419.	1.3	7
17	Optimal sensor placement for structural parameter identification. <i>Structural and Multidisciplinary Optimization</i> , 2017, 55, 647-662.	3.5	21
18	Refined numerical modelling for the structural assessment of steel-concrete composite beam-to-column joints under seismic loads. <i>Engineering Structures</i> , 2017, 138, 394-409.	5.3	73

#	ARTICLE	IF	CITATIONS
19	Pushdown Tests on Masonry Infilled Frames for Assessment of Building Robustness. Journal of Structural Engineering, 2017, 143, .	3.4	21
20	On the accuracy of the N2 inelastic spectrum for timber structures. Soil Dynamics and Earthquake Engineering, 2017, 100, 49-58.	3.8	6
21	Effects of seismic sequences on structures with hysteretic or damped dissipative behaviour. Soil Dynamics and Earthquake Engineering, 2017, 97, 205-215.	3.8	27
22	Enhancement of the seismic performance of multi-storey buildings by means of dissipative glazing curtain walls. Engineering Structures, 2017, 152, 320-334.	5.3	30
23	Numerical assessment of slab-interaction effects on the behaviour of steel-concrete composite joints. Journal of Constructional Steel Research, 2017, 139, 397-410.	3.9	35
24	08.25: The influence of the concrete slab on the behaviour of steel-concrete composite joints for braced frames. Ce/Papers, 2017, 1, 2041-2050.	0.3	0
25	Assessment of analytical formulations for the ULS resistance verification of structural glass elements accounting for the effects of different load durations. Structures, 2017, 11, 218-228.	3.6	6
26	Critical issues in parameter calibration of cyclic models for steel members. Engineering Structures, 2017, 132, 123-138.	5.3	50
27	11.08: Reliable calibration of cyclic models for steel members. Ce/Papers, 2017, 1, 2887-2896.	0.3	0
28	Passive Control Systems for the Blast Enhancement of Glazing Curtain Walls Under Explosive Loads. Open Civil Engineering Journal, 2017, 11, 396-419.	0.8	17
29	A seismological and engineering perspective on the 2016 Central Italy earthquakes. International Journal of Earthquake and Impact Engineering, 2016, 1, 395.	0.3	19
30	A Unified Approach for the Shear Buckling Design of Structural Glass Walls with Non-Ideal Restraints. American Journal of Engineering and Applied Sciences, 2016, 9, 64-78.	0.6	13
31	Advancements in Design, Analysis, and Retrofitting of Structures Exposed to Blast. Advances in Civil Engineering, 2016, 2016, 1-2.	0.7	2
32	A macro-model with nonlinear springs for seismic analysis of URM buildings. Earthquake Engineering and Structural Dynamics, 2016, 45, 2261-2281.	4.4	34
33	Analytical and numerical assessment of the strengthening effect of structural sealant joints for the prediction of the LTB critical moment in laterally restrained glass beams. Materials and Structures/Materiaux Et Constructions, 2016, 49, 2471-2492.	3.1	13
34	Effect of circumferential sealant joints and metal supporting frames on the buckling behavior of glass panels subjected to in-plane shear loads. Glass Structures and Engineering, 2016, 1, 353-373.	1.7	16
35	Investigation on the accuracy of the N2 method and the equivalent linearization procedure for different hysteretic models. Soil Dynamics and Earthquake Engineering, 2016, 83, 69-80.	3.8	14
36	Design buckling curves for glass columns and beams. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2015, 168, 514-526.	0.8	40

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37	Experimental Study and Numerical Investigation of Blockhaus Shear Walls Subjected to In-Plane Seismic Loads. Journal of Structural Engineering, 2015, 141, .	3.4	26
38	Dynamic and static identification of base-isolated bridges using Genetic Algorithms. Engineering Structures, 2015, 102, 80-92.	5.3	56
39	Flexural and Torsional Buckling Behavior of Eccentrically Compressed Laminated Glass Elements with a Viscoelastic PVB Interlayer. Journal of Structural Engineering, 2015, 141, 04014156.	3.4	3
40	Exploratory numerical analysis of two-way straight cable-net façades subjected to air blast loads. Engineering Structures, 2014, 79, 276-289.	5.3	35
41	Buckling analysis of simply supported flat glass panels subjected to combined in-plane uniaxial compressive and edgewise shear loads. Engineering Structures, 2014, 59, 127-140.	5.3	15
42	An experimental, numerical and analytical study of hybrid RC-encased steel joist beams subjected to shear. Engineering Structures, 2014, 61, 84-98.	5.3	29
43	Numerical buckling analysis of geometrically imperfect glass panels under biaxial in-plane compressive/tensile loads. Engineering Structures, 2014, 60, 165-176.	5.3	5
44	A component approach for the hysteretic behaviour of connections in cross-laminated wooden structures. Earthquake Engineering and Structural Dynamics, 2013, 42, 2023-2042.	4.4	114
45	A buckling verification approach for monolithic and laminated glass elements under combined in-plane compression and bending. Engineering Structures, 2013, 52, 220-229.	5.3	41
46	Multiple Dissipative Devices for Blast-Resisting Cable-Supported Glazing Façades. Modelling and Simulation in Engineering, 2013, 2013, 1-13.	0.7	5
47	Dynamic Response of Cable-Supported Façades Subjected to High-Level Air Blast Loads: Numerical Simulations and Mitigation Techniques. Modelling and Simulation in Engineering, 2012, 2012, 1-13.	0.7	3
48	Blast Analysis of Laminated Glass Curtain Walls Equipped by Viscoelastic Dissipative Devices. Buildings, 2012, 2, 359-383.	3.1	16
49	Viscoelastic spider connectors for the mitigation of cable-supported façades subjected to air blast loading. Engineering Structures, 2012, 42, 190-200.	5.3	51
50	Buckling of flat laminated glass panels under in-plane compression or shear. Engineering Structures, 2012, 36, 185-197.	5.3	25
51	Elastoplastic dissipative devices for the mitigation of blast resisting cable-supported glazing façades. Engineering Structures, 2012, 39, 103-115.	5.3	37
52	A novel hybrid system with RC-encased steel joists. European Journal of Environmental and Civil Engineering, 2011, 15, 1433-1463.	2.1	22
53	Non-linear seismic analysis and vulnerability evaluation of a masonry building by means of the SAP2000 V.10 code. Earthquake Engineering and Structural Dynamics, 2008, 37, 467-485.	4.4	105
54	Optimized Design of a Steel-Glass Parabolic Vault Using Evolutionary Multi-Objective Algorithms. International Journal of Space Structures, 2008, 23, 21-33.	1.0	2