

Roberto Nascimbene

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

1,902
citations

26
h-index

42
g-index

76
ext. papers

2,335
ext. citations

3
avg, IF

5.65
L-index

#	Paper	IF	Citations
72	Response of shear critical reinforced concrete frames and walls under monotonic loading. <i>Engineering Structures</i> , 2022 , 251, 113483	4.7	0
71	Influence of Modelling Assumptions on the Seismic Risk of Industrial Precast Concrete Structures. <i>Frontiers in Built Environment</i> , 2021 , 7,	2.2	4
70	Earthquake-induced nonlinear sloshing response of above-ground steel tanks with damped or undamped floating roof. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 144, 106673	3.5	9
69	Fragility and sensitivity analysis of steel frames with bolted-angle connections under progressive collapse. <i>Engineering Structures</i> , 2021 , 228, 111508	4.7	6
68	Precast concrete spreader-walls to improve the reparability of RC frame buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2021 , 50, 831-844	4	3
67	Nonlinear Dynamic Response of a Precast Concrete Building to Sudden Column Removal. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 599	2.6	5
66	A non-dimensional parametric approach for the design of PT tendons and mild steel dissipaters in precast rocking walls. <i>Engineering Structures</i> , 2020 , 212, 110513	4.7	5
65	Seismic numerical modelling of suspended piping trapeze restraint installations based on component testing. <i>Bulletin of Earthquake Engineering</i> , 2020 , 18, 3247-3283	3.7	5
64	Friction characterization testing of fabric felt material used in precast structures. <i>Structural Concrete</i> , 2020 , 21, 735-746	2.6	1
63	Probabilistic evaluation of earthquake-induced sloshing wave height in above-ground liquid storage tanks. <i>Engineering Structures</i> , 2020 , 202, 109870	4.7	10
62	Probabilistic estimation of floor response spectra in masonry infilled reinforced concrete building portfolio. <i>Engineering Structures</i> , 2020 , 202, 109842	4.7	25
61	Evaluation of the Seismic Response of Precast Wall Connections: Experimental Observations and Numerical Modeling. <i>Journal of Earthquake Engineering</i> , 2020 , 24, 1057-1082	1.8	11
60	Accounting axial-moment-shear interaction for force-based fiber modeling of RC frames. <i>Engineering Structures</i> , 2019 , 184, 15-36	4.7	9
59	Cyclic tensile testing of a three-way panel connection for precast wall-slab-wall structures. <i>Structural Concrete</i> , 2019 , 20, 1307-1315	2.6	17
58	Shake-Table Testing of a Full-Scale Two-Story Precast Wall-Slab-Wall Structure. <i>Earthquake Spectra</i> , 2019 , 35, 1583-1609	3.4	21
57	Floor Spectra Estimates for an Industrial Special Concentrically Braced Frame Structure. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2019 , 141,	1.2	4
56	Seismic assessment of an industrial frame-tank system: development of fragility functions. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 2569-2602	3.7	23

55	Influence of masonry infills on the progressive collapse resistance of reinforced concrete framed buildings. <i>Engineering Structures</i> , 2019 , 178, 375-394	4.7	37
54	Seismic performance of non-structural elements during the 2016 Central Italy earthquake. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 5655-5677	3.7	74
53	Cyclic testing of a full-scale two-storey reinforced precast concrete wall-slab-wall structure. <i>Bulletin of Earthquake Engineering</i> , 2018 , 16, 5309-5339	3.7	31
52	Vulnerability analysis of industrial RC precast buildings designed according to modern seismic codes. <i>Engineering Structures</i> , 2018 , 158, 67-78	4.7	26
51	Effects of structural openings on the buckling strength of cylindrical shells. <i>Advances in Structural Engineering</i> , 2018 , 21, 2466-2482	1.9	13
50	Seismic Fragility Analysis of MRFs with PR Bolted Connections Using IDA Approach. <i>Key Engineering Materials</i> , 2018 , 763, 678-685	0.4	3
49	Cyclic testing and analysis of a full-scale cast-in-place reinforced concrete wall-slab-wall structure. <i>Bulletin of Earthquake Engineering</i> , 2018 , 16, 4761-4796	3.7	16
48	Modeling and Seismic Response Analysis of RC Precast Italian Code-Conforming Buildings. <i>Journal of Earthquake Engineering</i> , 2018 , 22, 140-167	1.8	25
47	Evaluation of the seismic performance of suspended zipper column concentrically braced steel frames. <i>Journal of Constructional Steel Research</i> , 2018 , 150, 452-461	3.8	11
46	Derivation of floor acceleration spectra for an industrial liquid tank supporting structure with braced frame systems. <i>Engineering Structures</i> , 2018 , 171, 105-122	4.7	18
45	Seismic Vulnerability Assessment of an Infilled Reinforced Concrete Frame Structure Designed for Gravity Loads. <i>Journal of Earthquake Engineering</i> , 2017 , 21, 267-289	1.8	11
44	Experimental and numerical investigation of the seismic response of precast wall connections. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 5511-5550	3.7	36
43	Performance-based seismic design framework for RC floor diaphragms in dual systems. <i>Procedia Engineering</i> , 2017 , 199, 3546-3551		5
42	Dissipating and re-centring devices for portal-frame precast structures. <i>Engineering Structures</i> , 2017 , 150, 736-745	4.7	27
41	Seismic fragility curves of single storey RC precast structures by comparing different Italian codes. <i>Earthquake and Structures</i> , 2017 , 12, 359-374		22
40	Experimental vs. Numerical Simulations: Seismic Response of a Half Scale Three-Storey Infilled RC Building Strengthened Using FRP Retrofit. <i>Open Civil Engineering Journal</i> , 2017 , 11, 1158-1169	0.8	6
39	RINTC PROJECT: NONLINEAR ANALYSES OF ITALIAN CODE-CONFORMING PRECAST R/C INDUSTRIAL BUILDINGS FOR RISK OF COLLAPSE ASSESSMENT 2017 ,		2
38	Modelling curved surface sliding bearings with bilinear constitutive law: effects on the response of seismically isolated buildings. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 2179-2196	3.4	21

37	Seismic Response of High-Rise Mega-Braced Frame-Core Buildings through FE Analysis 2016 ,		2
36	Seismic analysis of high-rise mega-braced frame-core buildings. <i>Engineering Structures</i> , 2016 , 115, 1-17	4-7	46
35	Mechanical model for seismic response assessment of lightly reinforced concrete walls. <i>Earthquake and Structures</i> , 2016 , 11, 461-481		14
34	Numerical Modeling and Seismic Analysis of Tall Steel Buildings with Braced Frame Systems. <i>Periodica Polytechnica: Civil Engineering</i> , 2016 ,	1.2	4
33	Seismic fragility of Italian RC precast industrial structures. <i>Engineering Structures</i> , 2015 , 94, 122-136	4-7	82
32	Progressive collapse fragility of reinforced concrete framed structures through incremental dynamic analysis. <i>Engineering Structures</i> , 2015 , 104, 65-79	4-7	118
31	Numerical web-shear strength assessment of precast prestressed hollow core slab units. <i>Engineering Structures</i> , 2015 , 102, 13-30	4-7	35
30	Seismic Performance of Precast Industrial Facilities Following Major Earthquakes in the Italian Territory. <i>Journal of Performance of Constructed Facilities</i> , 2015 , 29, 04014135	2	119
29	Evaluation of the shear capacity of precast-prestressed hollow core slabs: numerical and experimental comparisons. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 1503-1521	3-4	43
28	Numerical Model of a Reinforced Concrete Building: Earthquake Analysis and Experimental Validation. <i>Periodica Polytechnica: Civil Engineering</i> , 2015 , 59, 521-530	1.2	17
27	Seismic response of MRFs with partially-restrained bolted beam-to-column connections through FE analyses. <i>Journal of Constructional Steel Research</i> , 2015 , 107, 37-49	3.8	74
26	Seismic Performance of Storage Steel Tanks during the May 2012 Emilia, Italy, Earthquakes. <i>Journal of Performance of Constructed Facilities</i> , 2015 , 29, 04014137	2	64
25	Numerical simulation of hollow steel profiles for lightweight concrete sandwich panels. <i>Computers and Concrete</i> , 2015 , 15, 951-972		25
24	Vulnerability assessment and retrofit solutions of precast industrial structures. <i>Earthquake and Structures</i> , 2015 , 8, 801-820		40
23	Experimental investigation of the cyclic response of reinforced precast concrete framed structures. <i>PCI Journal</i> , 2015 , 60, 57-79	2.1	73
22	SEISMIC PERFORMANCE OF HIGH-RISE STEEL MRFS WITH OUTRIGGER AND BELT TRUSSES THROUGH NONLINEAR DYNAMIC FE SIMULATIONS 2015 ,		2
21	Extreme response of reinforced concrete buildings through fiber force-based finite element analysis. <i>Engineering Structures</i> , 2014 , 69, 206-215	4-7	76
20	Response of partially-restrained bolted beam-to-column connections under cyclic loads. <i>Journal of Constructional Steel Research</i> , 2014 , 97, 24-38	3.8	75

19	Seismic Performance of Steel MRFs with Partially-Restrained, Bolted, Beam-to-Column Connections through FE Simulations 2014 ,		2
18	Modeling of different bracing configurations in multi-storey concentrically braced frames using a fiber-beam based approach. <i>Journal of Constructional Steel Research</i> , 2014 , 101, 426-436	3.8	36
17	Towards Non-Standard Numerical Modeling of Thin-Shell Structures: Geometrically Linear Formulation. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2014 , 15, 126-141	0.7	39
16	An Arbitrary Cross Section, Locking Free Shear-flexible Curved Beam Finite Element. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2013 , 14, 90-103	0.7	18
15	Evaluation of the Response of Partially Restrained Bolted Beam-to-Column Connection Subjected to Cyclic Pseudo-Static Loads 2013 ,		5
14	Towards improved floor spectra estimates for seismic design. <i>Earthquake and Structures</i> , 2013 , 4, 109-132		87
13	Analysis and optimal design of fiber-reinforced composite structures: sail against the wind. <i>Wind and Structures, an International Journal</i> , 2013 , 16, 541-560		4
12	Numerical simulation of gusset plate connections with rectangular hollow section shape brace under quasi-static cyclic loading. <i>Journal of Constructional Steel Research</i> , 2012 , 70, 177-189	3.8	36
11	Seismic Design of Elevated Steel Tanks with Concentrically Braced Supporting Frames 2012 ,		2
10	Strain Life Analysis at Low-Cycle Fatigue on Concentrically Braced Steel Structures with RHS Shape Braces. <i>Journal of Earthquake Engineering</i> , 2012 , 16, 107-137	1.8	28
9	Equivalent viscous damping for steel concentrically braced frame structures. <i>Bulletin of Earthquake Engineering</i> , 2011 , 9, 1535-1558	3.7	68
8	Seismic Performance of Brace-Beam-Column Connections in Concentrically Braced Frames 2010 ,		2
7	Review of Design Parameters of Concentrically Braced Frames with RHS Shape Braces. <i>Journal of Earthquake Engineering</i> , 2009 , 13, 109-131	1.8	39
6	A Critical Review of the R.C. Frame Existing Building Assessment Procedure According to Eurocode 8 and Italian Seismic Code. <i>Journal of Earthquake Engineering</i> , 2008 , 12, 52-82	1.8	44
5	Numerical simulation of an elastoplastic plate via mixed finite elements. <i>Journal of Engineering Mathematics</i> , 2003 , 46, 69-86	1.2	5
4	A new fixed-point algorithm for hardening plasticity based on non-linear mixed variational inequalities. <i>International Journal for Numerical Methods in Engineering</i> , 2003 , 57, 83-102	2.4	6
3	A new locking-free equilibrium mixed element for plane elasticity with continuous displacement interpolation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002 , 191, 1843-1860	5.7	17
2	Design of a river-sea ship by optimization. <i>Structural and Multidisciplinary Optimization</i> , 2001 , 22, 240-243.	3.6	7

- 1 Modelling and Seismic Response Analysis of Non-residential Single-storey Existing Precast Buildings in Italy. *Journal of Earthquake Engineering*,1-22 1.8 3