

Roberto Nascimbene

List of Publications by Citations

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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 | 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 |
| 71 | Progressive collapse fragility of reinforced concrete framed structures through incremental dynamic analysis. <i>Engineering Structures</i> , 2015 , 104, 65-79 | 4.7 | 118 |
| 70 | Towards improved floor spectra estimates for seismic design. <i>Earthquake and Structures</i> , 2013 , 4, 109-132 | | 87 |
| 69 | Seismic fragility of Italian RC precast industrial structures. <i>Engineering Structures</i> , 2015 , 94, 122-136 | 4.7 | 82 |
| 68 | Extreme response of reinforced concrete buildings through fiber force-based finite element analysis. <i>Engineering Structures</i> , 2014 , 69, 206-215 | 4.7 | 76 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | Experimental investigation of the cyclic response of reinforced precast concrete framed structures. <i>PCI Journal</i> , 2015 , 60, 57-79 | 2.1 | 73 |
| 63 | Equivalent viscous damping for steel concentrically braced frame structures. <i>Bulletin of Earthquake Engineering</i> , 2011 , 9, 1535-1558 | 3.7 | 68 |
| 62 | 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 |
| 61 | Seismic analysis of high-rise mega-braced frame-core buildings. <i>Engineering Structures</i> , 2016 , 115, 1-17 | 4.7 | 46 |
| 60 | 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 |
| 59 | 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 |
| 58 | Vulnerability assessment and retrofit solutions of precast industrial structures. <i>Earthquake and Structures</i> , 2015 , 8, 801-820 | | 40 |
| 57 | 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 |
| 56 | 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 |

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| 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 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | Numerical web-shear strength assessment of precast prestressed hollow core slab units. <i>Engineering Structures</i> , 2015 , 102, 13-30 | 4-7 | 35 |
| 50 | 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 |
| 49 | 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 |
| 48 | Dissipating and re-centring devices for portal-frame precast structures. <i>Engineering Structures</i> , 2017 , 150, 736-745 | 4-7 | 27 |
| 47 | Vulnerability analysis of industrial RC precast buildings designed according to modern seismic codes. <i>Engineering Structures</i> , 2018 , 158, 67-78 | 4-7 | 26 |
| 46 | Numerical simulation of hollow steel profiles for lightweight concrete sandwich panels. <i>Computers and Concrete</i> , 2015 , 15, 951-972 | | 25 |
| 45 | Probabilistic estimation of floor response spectra in masonry infilled reinforced concrete building portfolio. <i>Engineering Structures</i> , 2020 , 202, 109842 | 4-7 | 25 |
| 44 | 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 |
| 43 | 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 |
| 42 | Seismic fragility curves of single storey RC precast structures by comparing different Italian codes. <i>Earthquake and Structures</i> , 2017 , 12, 359-374 | | 22 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |

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| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | Mechanical model for seismic response assessment of lightly reinforced concrete walls. <i>Earthquake and Structures</i> , 2016 , 11, 461-481 | | 14 |
| 32 | Effects of structural openings on the buckling strength of cylindrical shells. <i>Advances in Structural Engineering</i> , 2018 , 21, 2466-2482 | 1.9 | 13 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | Probabilistic evaluation of earthquake-induced sloshing wave height in above-ground liquid storage tanks. <i>Engineering Structures</i> , 2020 , 202, 109870 | 4.7 | 10 |
| 27 | Accounting axial-moment-shear interaction for force-based fiber modeling of RC frames. <i>Engineering Structures</i> , 2019 , 184, 15-36 | 4.7 | 9 |
| 26 | 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 |
| 25 | Design of a river-sea ship by optimization. <i>Structural and Multidisciplinary Optimization</i> , 2001 , 22, 240-247 | 3.6 | 7 |
| 24 | 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 |
| 23 | 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 |
| 22 | Fragility and sensitivity analysis of steel frames with bolted-angle connections under progressive collapse. <i>Engineering Structures</i> , 2021 , 228, 111508 | 4.7 | 6 |
| 21 | Performance-based seismic design framework for RC floor diaphragms in dual systems. <i>Procedia Engineering</i> , 2017 , 199, 3546-3551 | | 5 |
| 20 | 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 |

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| 19 | 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 |
| 18 | Evaluation of the Response of Partially Restrained Bolted Beam-to-Column Connection Subjected to Cyclic Pseudo-Static Loads 2013 , | | 5 |
| 17 | Numerical simulation of an elastoplastic plate via mixed finite elements. <i>Journal of Engineering Mathematics</i> , 2003 , 46, 69-86 | 1.2 | 5 |
| 16 | Nonlinear Dynamic Response of a Precast Concrete Building to Sudden Column Removal. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 599 | 2.6 | 5 |
| 15 | 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 |
| 14 | Influence of Modelling Assumptions on the Seismic Risk of Industrial Precast Concrete Structures. <i>Frontiers in Built Environment</i> , 2021 , 7, | 2.2 | 4 |
| 13 | Numerical Modeling and Seismic Analysis of Tall Steel Buildings with Braced Frame Systems. <i>Periodica Polytechnica: Civil Engineering</i> , 2016 , | 1.2 | 4 |
| 12 | 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 |
| 11 | Seismic Fragility Analysis of MRFs with PR Bolted Connections Using IDA Approach. <i>Key Engineering Materials</i> , 2018 , 763, 678-685 | 0.4 | 3 |
| 10 | 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 |
| 9 | Modelling and Seismic Response Analysis of Non-residential Single-storey Existing Precast Buildings in Italy. <i>Journal of Earthquake Engineering</i> , 1-22 | 1.8 | 3 |
| 8 | Seismic Response of High-Rise Mega-Braced Frame-Core Buildings through FE Analysis 2016 , | | 2 |
| 7 | Seismic Performance of Steel MRFs with Partially-Restrained, Bolted, Beam-to-Column Connections through FE Simulations 2014 , | | 2 |
| 6 | Seismic Design of Elevated Steel Tanks with Concentrically Braced Supporting Frames 2012 , | | 2 |
| 5 | Seismic Performance of Brace-Beam-Column Connections in Concentrically Braced Frames 2010 , | | 2 |
| 4 | SEISMIC PERFORMANCE OF HIGH-RISE STEEL MRFS WITH OUTRIGGER AND BELT TRUSSES THROUGH NONLINEAR DYNAMIC FE SIMULATIONS 2015 , | | 2 |
| 3 | RINTC PROJECT: NONLINEAR ANALYSES OF ITALIAN CODE-CONFORMING PRECAST R/C INDUSTRIAL BUILDINGS FOR RISK OF COLLAPSE ASSESSMENT 2017 , | | 2 |
| 2 | Friction characterization testing of fabric felt material used in precast structures. <i>Structural Concrete</i> , 2020 , 21, 735-746 | 2.6 | 1 |

- 1 Response of shear critical reinforced concrete frames and walls under monotonic loading.
Engineering Structures, **2022**, 251, 113483

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