Emanuele Brunesi

List of Publications by Year
in descending order

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58	1,924	249298	286692
papers	citations	26	43
		h-index	g-index

58	58	58	1088
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seismic acceleration demand and fragility assessment of storage tanks installed in industrial steel moment-resisting frame structures. Soil Dynamics and Earthquake Engineering, 2022, 152, 107016.	1.9	12
2	A Framework for the Quantification of Non-Structural Seismic Performance Factors. Journal of Earthquake Engineering, 2022, 26, 8468-8494.	1.4	6
3	Use of UAS for damage inspection and assessment of bridge infrastructures. International Journal of Disaster Risk Reduction, 2022, 72, 102824.	1.8	28
4	Investigation of 3D effects on dynamic progressive collapse resistance of RC structures considering slabs and infill walls. Journal of Building Engineering, 2022, 54, 104421.	1.6	8
5	Critical modelling criteria for precast pre-stressed hollow-core slabs. Journal of Building Engineering, 2022, 54, 104545.	1.6	4
6	Fragility and sensitivity analysis of steel frames with bolted-angle connections under progressive collapse. Engineering Structures, 2021, 228, 111508.	2.6	27
7	Nonlinear Dynamic Response of a Precast Concrete Building to Sudden Column Removal. Applied Sciences (Switzerland), 2021, 11, 599.	1.3	15
8	INFLUENCE OF BEAM-TO-COLUMN CONNECTIONS IN SEISMIC VULNERABILITY ASSESSMENT OF STEEL STRUCTURES. , 2021, , .		0
9	Earthquake-induced nonlinear sloshing response of above-ground steel tanks with damped or undamped floating roof. Soil Dynamics and Earthquake Engineering, 2021, 144, 106673.	1.9	31
10	Guidelines for the use of Unmanned Aerial Systems for fast photogrammetry-oriented mapping in emergency response scenarios. International Journal of Disaster Risk Reduction, 2021, 58, 102207.	1.8	12
11	Progressive collapse resistance of framed buildings with partially encased composite beams. Journal of Building Engineering, 2021, 38, 102228.	1.6	6
12	Robustness-oriented conceptual design of precast concrete frame structures. , 2021, , .		1
13	A probabilistic strong floor motion duration model for seismic performance assessment of nonâ€structural building elements. Earthquake Engineering and Structural Dynamics, 2021, 50, 4161-4179.	2.5	9
14	Efficient numerical model for progressive collapse analysis of prestressed concrete frame structures. Engineering Failure Analysis, 2021, 129, 105683.	1.8	20
15	IMPACT OF MASONRY INFILL VARIABILITY ON THE ESTIMATION OF FLOOR RESPONSE SPECTRA IN RC BUILDINGS. , 2021, , .		1
16	Numerical Simulation and Parametric Analysis of Precast Concrete Beam-Slab Assembly Based on Layered Shell Elements. Buildings, 2021, 11, 7.	1.4	7
17	Towards Seismic Design of Nonstructural Elements: Italian Code-Compliant Acceleration Floor Response Spectra. Advances in Civil Engineering, 2021, 2021, 1-18.	0.4	4
18	Evaluation of the Seismic Response of Precast Wall Connections: Experimental Observations and Numerical Modeling. Journal of Earthquake Engineering, 2020, 24, 1057-1082.	1.4	27

#	Article	IF	Citations
19	Friction characterization testing of fabric felt material used in precast structures. Structural Concrete, 2020, 21, 735-746.	1.5	4
20	Probabilistic evaluation of earthquake-induced sloshing wave height in above-ground liquid storage tanks. Engineering Structures, 2020, 202, 109870.	2.6	28
21	Probabilistic estimation of floor response spectra in masonry infilled reinforced concrete building portfolio. Engineering Structures, 2020, 202, 109842.	2.6	40
22	Experimental seismic response evaluation of suspended piping restraint installations. Bulletin of Earthquake Engineering, 2020, 18, 1499-1524.	2.3	19
23	Nonlinear material modelling for fibre-based progressive collapse analysis of RC framed buildings. Engineering Failure Analysis, 2020, 118, 104901.	1.8	15
24	Numerical Modelling and Validation of the Response of Masonry Infilled RC Frames Using Experimental Testing Results. Buildings, 2020, 10, 182.	1.4	28
25	Seismic Acceleration and Displacement Demand Profiles of Non-Structural Elements in Hospital Buildings. Buildings, 2020, 10, 243.	1.4	14
26	Seismic numerical modelling of suspended piping trapeze restraint installations based on component testing. Bulletin of Earthquake Engineering, 2020, 18, 3247-3283.	2.3	11
27	Performance limit states for progressive collapse analysis of reinforced concrete framed buildings. Structural Concrete, 2019, 20, 68-84.	1.5	35
28	Cyclic tensile testing of a threeâ€way panel connection for precast wallâ€slabâ€wall structures. Structural Concrete, 2019, 20, 1307-1315.	1.5	29
29	Shake-Table Testing of a Full-Scale Two-Story Precast Wall-Slab-Wall Structure. Earthquake Spectra, 2019, 35, 1583-1609.	1.6	42
30	Floor Spectra Estimates for an Industrial Special Concentrically Braced Frame Structure. Journal of Pressure Vessel Technology, Transactions of the ASME, 2019, 141, .	0.4	7
31	Seismic assessment of an industrial frame-tank system: development of fragility functions. Bulletin of Earthquake Engineering, 2019, 17, 2569-2602.	2.3	39
32	Influence of masonry infills on the progressive collapse resistance of reinforced concrete framed buildings. Engineering Structures, 2019, 178, 375-394.	2.6	74
33	SHAKE TABLE TESTING FOR SEISMIC PERFORMANCE EVALUATION OF NON-STRUCTURAL ELEMENTS. , 2019, , .		6
34	Cyclic testing of a full-scale two-storey reinforced precast concrete wall-slab-wall structure. Bulletin of Earthquake Engineering, 2018, 16, 5309-5339.	2.3	48
35	Effects of structural openings on the buckling strength of cylindrical shells. Advances in Structural Engineering, 2018, 21, 2466-2482.	1.2	19
36	Derivation of floor acceleration spectra for an industrial liquid tank supporting structure with braced frame systems. Engineering Structures, 2018, 171, 105-122.	2.6	29

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37	Cyclic testing and analysis of a full-scale cast-in-place reinforced concrete wall-slab-wall structure. Bulletin of Earthquake Engineering, 2018, 16, 4761-4796.	2.3	30
38	Effect of cyclic loading protocols on the experimental seismic performance evaluation of suspended piping restraint installations. International Journal of Pressure Vessels and Piping, 2018, 166, 61-71.	1.2	15
39	Experimental and numerical investigation of the seismic response of precast wall connections. Bulletin of Earthquake Engineering, 2017, 15, 5511-5550.	2.3	51
40	Progressive collapse fragility models of European reinforced concrete framed buildings based on pushdown analysis. Engineering Structures, 2017, 152, 579-596.	2.6	74
41	Numerical Modeling and Seismic Analysis of Tall Steel Buildings with Braced Frame Systems. Periodica Polytechnica: Civil Engineering, 2016, , .	0.6	6
42	Seismic analysis of high-rise mega-braced frame-core buildings. Engineering Structures, 2016, 115, 1-17.	2.6	60
43	Mechanical model for seismic response assessment of lightly reinforced concrete walls. Earthquake and Structures, 2016, 11, 461-481.	1.0	21
44	PROGRESSIVE COLLAPSE FRAGILITY MODELS OF RC FRAMED BUILDINGS BASED ON PUSHDOWN ANALYSIS. , 2016, , .		2
45	Seismic response of MRFs with partially-restrained bolted beam-to-column connections through FE analyses. Journal of Constructional Steel Research, 2015, 107, 37-49.	1.7	88
46	Seismic Performance of Storage Steel Tanks during the May 2012 Emilia, Italy, Earthquakes. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	110
47	Progressive collapse fragility of reinforced concrete framed structures through incremental dynamic analysis. Engineering Structures, 2015, 104, 65-79.	2.6	159
48	Numerical web-shear strength assessment of precast prestressed hollow core slab units. Engineering Structures, 2015, 102, 13-30.	2.6	53
49	Seismic Performance of Precast Industrial Facilities Following Major Earthquakes in the Italian Territory. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	174
50	Evaluation of the shear capacity of precast-prestressed hollow core slabs: numerical and experimental comparisons. Materials and Structures/Materiaux Et Constructions, 2015, 48, 1503-1521.	1.3	55
51	Numerical simulation of hollow steel profiles for lightweight concrete sandwich panels. Computers and Concrete, 2015, 15, 951-972.	0.7	33
52	Experimental investigation of the cyclic response of reinforced precast concrete framed structures. PCI Journal, 2015, 60, 57-79.	0.4	89
53	SEISMIC PERFORMANCE OF HIGH-RISE STEEL MRFS WITH OUTRIGGER AND BELT TRUSSES THROUGH NONLINEAR DYNAMIC FE SIMULATIONS. , 2015, , .		4
54	Extreme response of reinforced concrete buildings through fiber force-based finite element analysis. Engineering Structures, 2014, 69, 206-215.	2.6	87

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55	Response of partially-restrained bolted beam-to-column connections under cyclic loads. Journal of Constructional Steel Research, 2014, 97, 24-38.	1.7	94
56	Seismic Performance of Steel MRFs with Partially-Restrained, Bolted, Beam-to-Column Connections through FE Simulations. , 2014, , .		3
57	Seismic Fragility Analysis of MRFs with PR Bolted Connections Using IDA Approach. Key Engineering Materials, 0, 763, 678-685.	0.4	7
58	Aspects affecting the nonlinear behavior of precast prestressed hollowâ€core units failing in shear. Structural Concrete, 0, , .	1.5	4