

Francesco Porco

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

624
citations

687363

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h-index

580821

25
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33
all docs

33
docs citations

33
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	On the role of equivalent strut models in the seismic assessment of infilled RC buildings. <i>Engineering Structures</i> , 2012, 42, 83-94.	5.3	95
2	Appraisal of masonry infill walls effect in the seismic response of RC framed buildings: A case study. <i>Engineering Structures</i> , 2012, 34, 514-526.	5.3	91
3	Two frugal options to assess class fragility and seismic safety for low-rise reinforced concrete school buildings in Southern Italy. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 1415-1439.	4.1	54
4	About the influence of the infill panels over the collapse mechanisms activated under pushover analyses: Two case studies. <i>Soil Dynamics and Earthquake Engineering</i> , 2012, 39, 11-22.	3.8	49
5	On the dispersion of data collected by in situ diagnostic of the existing concrete. <i>Construction and Building Materials</i> , 2013, 47, 208-217.	7.2	46
6	A practical approach for estimating the floor deformability in existing RC buildings: evaluation of the effects in the structural response and seismic fragility. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 2083-2113.	4.1	44
7	Structural monitoring using fiber optic sensors of a pre-stressed concrete viaduct during construction phases. <i>Case Studies in Nondestructive Testing and Evaluation</i> , 2014, 2, 27-37.	1.7	34
8	Proposal of a methodology for assessing the reliability of in situ concrete tests and improving the estimate of the compressive strength. <i>Construction and Building Materials</i> , 2013, 38, 72-83.	7.2	30
9	The influence of infilled panels in retrofitting interventions of existing reinforced concrete buildings: a case study. <i>Structure and Infrastructure Engineering</i> , 2015, 11, 162-175.	3.7	25
10	A numerical procedure for modeling the floor deformability in seismic analysis of existing RC buildings. <i>Journal of Building Engineering</i> , 2018, 19, 273-284.	3.4	25
11	Monitoring and safety for prestressed bridge girders by SOFO sensors. <i>Journal of Civil Structural Health Monitoring</i> , 2013, 3, 3-18.	3.9	22
12	Effects in Conventional Nonlinear Static Analysis: Evaluation of Control Node Position. <i>Structures</i> , 2018, 13, 178-192.	3.6	17
13	Simplified vulnerability assessment of reinforced concrete circular piers in multi-span simply supported bridges. <i>Structure and Infrastructure Engineering</i> , 2014, 10, 950-962.	3.7	13
14	A finite element with micro-scale effects for the linear analysis of masonry brickwork. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2001, 190, 4365-4378.	6.6	11
15	The assessment of structural concretes during construction phases. <i>Structural Survey</i> , 2014, 32, 189-208.	1.0	11
16	Assessment of concrete degradation in existing structures: a practical procedure. <i>Structural Engineering and Mechanics</i> , 2014, 52, 701-721.	1.0	8
17	Effects of the yield and ultimate strengths of the equivalent strut models on the response of existing buildings with infill panels. <i>International Journal of Structural Engineering</i> , 2015, 6, 140.	0.4	7
18	A Simplified Procedure for the Seismic Design of Hybrid Connections in Precast Concrete Structures. <i>Open Construction and Building Technology Journal</i> , 2013, 7, 63-73.	0.7	7

#	ARTICLE	IF	CITATIONS
19	Experimental characterization of "non-engineered" masonry systems in a highly seismic prone area. Construction and Building Materials, 2013, 48, 406-416.	7.2	6
20	Simplified moment-curvature relationship in analytical form for circular RC sections. Bulletin of the New Zealand Society for Earthquake Engineering, 2018, 51, 145-158.	0.5	6
21	About the Reliability of Punching Verifications in Reinforced Concrete Flat Slabs. Open Construction and Building Technology Journal, 2013, 7, 74-87.	0.7	5
22	Bridge monitoring by fiber optic deformation sensors. Bridge Maintenance, Safety and Management, 2012, , 3911-3918.	0.1	3
23	ASSESSMENT OF THE RELIABILITY OF STRUCTURAL CONCRETES DURING EXECUTION PHASES. , 2014, , .		3
24	INFLUENCE OF RIGID FLOOR ASSUMPTION IN SEISMIC ANALYSIS OF RC EXISTING BUILDINGS. , 2017, , .		3
25	The influence of uncertainties of infill panels relative to the seismic response of RC existing buildings. WIT Transactions on the Built Environment, 2014, , .	0.0	3
26	Comparison between seismic retrofitting solutions for existing reinforced concrete buildings: a case study. International Journal of Structural Engineering, 2014, 5, 242.	0.4	2
27	The SonReb Method: Critical Review and Practical Aspects. Lecture Notes in Civil Engineering, 2018, , 161-171.	0.4	1
28	Buckling of Rectangular Isolated R.C. Columns: Closed-form Approximation for Interaction Domains. Open Construction and Building Technology Journal, 2013, 7, 129-137.	0.7	1
29	A Parametrical Analysis for the Rotational Ductility of Reinforced Concrete Beams. Open Civil Engineering Journal, 2013, 7, 242-253.	0.8	1
30	A Multi-Level Approach for the Numerical Modelling of Complex Monumental Buildings. Advances in Civil and Industrial Engineering Book Series, 2015, , 546-575.	0.2	1
31	About the seismic return period: a simplified algorithm. International Journal of Structural Engineering, 2015, 6, 303.	0.4	0
32	Numerical modeling techniques for the evaluation of the dynamic effects induced by excavation in existing structures. WIT Transactions on the Built Environment, 2014, , .	0.0	0
33	A Multi-Level Approach for the Numerical Modelling of Complex Monumental Buildings. , 2016, , 1352-1378.		0