Alessandra Fiore

List of Publications by Year
in descending order

		567281	610901
44 papers	664 citations	15 h-index	24 g-index
44 all docs	44 docs citations	44 times ranked	512 citing authors

#	Article	IF	Citations
1	The influence of masonry infill on the seismic behaviour of RC frame buildings. Engineering Structures, 2012, 44, 133-145.	5.3	86
2	Performance–cost optimization of tuned mass damper under low–moderate seismic actions. Structural Design of Tall and Special Buildings, 2016, 25, 1103-1122.	1.9	39
3	Optimum design of prestressed concrete beams using constrained differential evolution algorithm. Structural and Multidisciplinary Optimization, 2014, 49, 441-453.	3.5	37
4	Predicting torsional strength of RC beams by using Evolutionary Polynomial Regression. Advances in Engineering Software, 2012, 47, 178-187.	3.8	34
5	On the prediction of shear brittle collapse mechanisms due to the infill-frame interaction in RC buildings under pushover analysis. Engineering Structures, 2016, 121, 147-159.	5.3	34
6	Evolutionary Polynomial Regression–Based Statistical Determination of the Shear Capacity Equation for Reinforced Concrete Beams without Stirrups. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	32
7	Structural optimization of hollow-section steel trusses by differential evolution algorithm. International Journal of Steel Structures, 2016, 16, 411-423.	1.3	31
8	On the Fresh/Hardened Properties of Cement Composites Incorporating Rubber Particles from Recycled Tires. Advances in Civil Engineering, 2014, 2014, 1-12.	0.7	27
9	Non-Linear Finite Element Analysis of Masonry Towers by Adopting the Damage Plasticity Constitutive Model. Advances in Structural Engineering, 2013, 16, 791-803.	2.4	23
10	Earthquake-Induced Lateral-Torsional Pounding between Two Equal Height Multi-Storey Buildings under Multiple Bi-Directional Ground Motions. Advances in Structural Engineering, 2013, 16, 845-865.	2.4	22
11	Preliminary data and field observations of the 21st August 2017 Ischia earthquake. Bulletin of Earthquake Engineering, 2019, 17, 1221-1256.	4.1	21
12	Preliminary experimental study on the effects of surface-applied photocatalytic products on the durability of reinforced concrete. Construction and Building Materials, 2013, 48, 137-143.	7.2	18
13	An approximate solution for the rheological behavior of non-homogeneous structures changing the structural system during the construction process. Engineering Structures, 2013, 46, 631-642.	5.3	18
14	Serviceability Performance Analysis of Concrete Box Girder Bridges Under Traffic-Induced Vibrations by Structural Health Monitoring: A Case Study. International Journal of Civil Engineering, 2018, 16, 553-565.	2.0	17
15	Parametric Identification of Nonlinear Devices for Seismic Protection Using Soft Computing Techniques. Advanced Materials Research, 0, 639-640, 118-129.	0.3	16
16	The Role of Modulation Function in Nonstationary Stochastic Earthquake Model. Journal of Earthquake and Tsunami, 2014, 08, 1450015.	1.3	16
17	Influence of soil type on damping reduction factor: A stochastic analysis based on peak theory. Soil Dynamics and Earthquake Engineering, 2018, 104, 365-368.	3.8	16
18	Earthquake-induced pounding between the main buildings of the "Quinto Orazio Flacco" school. Earthquake and Structures, 2010, 1, 371-390.	1.0	16

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19	POD-based representation of the alongwind Equivalent Static Force for long-span bridges. Wind and Structures, an International Journal, 2009, 12, 239-257.	0.8	16
20	Experimental tests on existing RC beams strengthened in flexure and retrofitted for shear by C-FRP in presence of negative moments. International Journal of Advanced Structural Engineering, 2018, 10, 211-232.	1.3	15
21	Seismic response prediction of reinforced concrete buildings through nonlinear combinations of intensity measures. Bulletin of Earthquake Engineering, 2018, 16, 6047-6076.	4.1	14
22	Integration Algorithm for Covariance Nonstationary Dynamic Analysis of SDOF Systems Using Equivalent Stochastic Linearization. International Journal of Structural Stability and Dynamics, 2015, 15, 1450044.	2.4	13
23	Theoretical prediction of the dynamic behavior of rolling-ball rubber-layer isolation systems. Structural Control and Health Monitoring, 2016, 23, 1150-1167.	4.0	13
24	Damage-Based Inelastic Seismic Spectra. International Journal of Structural Stability and Dynamics, 2017, 17, 1750115.	2.4	13
25	Evolutionary Modeling to Evaluate the Shear Behavior of Circular Reinforced Concrete Columns. Advances in Civil Engineering, 2014, 2014, 1-14.	0.7	11
26	Seismic performance of spherical liquid storage tanks: a case study. International Journal of Advanced Structural Engineering, 2018, 10, 121-130.	1.3	8
27	Prediction of ultimate load capacities of CFST columns with debonding by EPR. Thin-Walled Structures, 2021, 164, 107912.	5.3	8
28	Evolutionary Polynomial Regression Algorithm Enhanced with a Robust Formulation: Application to Shear Strength Prediction of RC Beams without Stirrups. Journal of Computing in Civil Engineering, 2021, 35, .	4.7	8
29	A preliminary study on a variable section beam through Algorithm-Aided Design: a way to connect architectural shape and structural optimization. Procedia Manufacturing, 2020, 44, 497-504.	1.9	7
30	Effects of Excitation Bandwidth on Damping Reduction Factor. Journal of Earthquake Engineering, 2021, 25, 649-676.	2.5	7
31	Seismic vulnerability assessment of historical centers at urban scale. International Journal of Architectural Heritage, 2018, 12, 257-269.	3.1	5
32	A method to evaluate the frequencies of free transversal vibrations in self-anchored cable-stayed bridges. Computers and Concrete, 2005, 2, 125-146.	0.7	4
33	Seismic behavior of a low-rise horizontal cylindrical tank. International Journal of Advanced Structural Engineering, 2018, 10, 143-152.	1.3	3
34	Optimal design criteria for form-finding of double-curved surfaces. Procedia Manufacturing, 2020, 44, 28-35.	1.9	3
35	Optimal Design of Elastic Circular Plane Arches. Frontiers in Built Environment, 2020, 6, .	2.3	3
36	Assessment of the Seismic Vulnerability of a Masonry Bell Tower by Non-destructive Experimental Techniques. Computational Methods in Applied Sciences (Springer), 2015, , 409-427.	0.3	2

#	Article	IF	Citations
37	Some structural design issues on a timber bridge for pedestrians. Procedia Manufacturing, 2020, 44, 583-590.	1.9	2
38	Structural optimization of elastic circular arches and design criteria. Procedia Manufacturing, 2020, 44, 425-432.	1.9	2
39	Influence of Structural Damping Uncertainty on Damping Reduction Factor. Journal of Earthquake Engineering, 2022, 26, 1899-1920.	2.5	2
40	To compute or not to compute?. Journal of Traffic and Transportation Engineering (English Edition), 2019, 6, 85-93.	4.2	1
41	OPTIMAL DESIGN OF TUNED MASS DAMPERS BY PERFORMANCE–COST ANALYSIS. , 2017, , .		1
42	Nonstationary First Threshold Crossing Reliability for Linear System Excited by Modulated Gaussian Process. Shock and Vibration, 2018, 2018, 1-17.	0.6	0
43	SEISMIC SAFETY EVALUATION OF HISTORICAL CENTRES. , 2017, , .		0
44	FINDING CORRELATIONS BETWEEN ENGINEERING DEMAND PARAMETERS AND INTENSITY MEASURES THROUGH EVOLUTIONARY POLYNOMIAL REGRESSION. , 2017, , .		0