Giorgio Barone

List of Publications by Year in descending order

20 papers	464 citations	758635 12 h-index	794141 19 g-index
20 all docs	20 docs citations	20 times ranked	373 citing authors

#	Article	IF	Citations
1	Interpretation of uplift pipeline–soil interaction behaviour using acoustic emission measurements. Canadian Geotechnical Journal, 2022, 59, 1321-1333.	1.4	3
2	Nonlinear energy sink and Eurocode 8: An optimal design approach based on elastic response spectra. Engineering Structures, 2020, 221, 111020.	2.6	14
3	Stochastic design of double-skin façades as seismic vibration absorbers. Advances in Engineering Software, 2020, 142, 102749.	1.8	5
4	Closed-form stochastic response of linear building structures to spectrum-consistent seismic excitations. Soil Dynamics and Earthquake Engineering, 2019, 125, 105724.	1.9	14
5	Optimal design of double-skin façades as vibration absorbers. Structural Control and Health Monitoring, 2018, 25, e2086.	1.9	18
6	Optimal design of Nonlinear Energy Sinks for SDOF structures subjected to white noise base excitations. Engineering Structures, 2017, 145, 135-152.	2.6	31
7	Exact Closed-Form Fractional Spectral Moments for Linear Fractional Oscillators Excited by a White Noise. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2017, 3, .	0.7	6
8	Viscoelastic bearings with fractional constitutive law for fractional tuned mass dampers. Journal of Sound and Vibration, 2015, 344, 18-27.	2.1	18
9	CVBEM solution for De Saint-Venant orthotropic beams under coupled bending and torsion. Acta Mechanica, 2015, 226, 783-796.	1.1	2
10	Fatigue reliability and service life prediction of aluminum naval ship details based on monitoring data. Structural Health Monitoring, 2015, 14, 3-19.	4.3	32
11	Dynamic characterization of fractional oscillators for Fractional Tuned Mass Dampers tuning. , 2014, , .		3
12	Life-cycle maintenance of deteriorating structures by multi-objective optimization involving reliability, risk, availability, hazard and cost. Structural Safety, 2014, 48, 40-50.	2.8	97
13	Reliability, risk and lifetime distributions as performance indicators for life-cycle maintenance of deteriorating structures. Reliability Engineering and System Safety, 2014, 123, 21-37.	5.1	86
14	Optimization of Life-Cycle Maintenance of Deteriorating Bridges with Respect to Expected Annual System Failure Rate and Expected Cumulative Cost. Journal of Structural Engineering, 2014, 140, .	1.7	52
15	Complex potential by hydrodynamic analogy for the determination of flexure–torsion induced stresses in De Saint Venant beams with boundary singularities. Engineering Analysis With Boundary Elements, 2013, 37, 1632-1641.	2.0	4
16	CVBEM for solving De Saint-Venant solid under shear forces. Engineering Analysis With Boundary Elements, 2013, 37, 197-204.	2.0	7
17	Hazard-Based Optimum Lifetime Inspection and Repair Planning for Deteriorating Structures. Journal of Structural Engineering, 2013, 139, .	1.7	19
18	CVBEM Application to a Novel Potential Function Providing Stress Field and Twist Rotation at Once. Journal of Engineering Mechanics - ASCE, 2013, 139, 1290-1293.	1.6	8

#	Article	IF	Citations
19	Comparison among three boundary element methods for torsion problems: CPM, CVBEM, LEM. Engineering Analysis With Boundary Elements, 2011, 35, 895-907.	2.0	18
20	Probabilistic response of linear structures equipped with nonlinear damper devices (PIS method). Probabilistic Engineering Mechanics, 2008, 23, 125-133.	1.3	27