

Giorgio Barone

List of Publications by Year in descending order

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Version: 2024-02-01

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	Life-cycle maintenance of deteriorating structures by multi-objective optimization involving reliability, risk, availability, hazard and cost. <i>Structural Safety</i> , 2014, 48, 40-50.	2.8	97
2	Reliability, risk and lifetime distributions as performance indicators for life-cycle maintenance of deteriorating structures. <i>Reliability Engineering and System Safety</i> , 2014, 123, 21-37.	5.1	86
3	Optimization of Life-Cycle Maintenance of Deteriorating Bridges with Respect to Expected Annual System Failure Rate and Expected Cumulative Cost. <i>Journal of Structural Engineering</i> , 2014, 140, .	1.7	52
4	Fatigue reliability and service life prediction of aluminum naval ship details based on monitoring data. <i>Structural Health Monitoring</i> , 2015, 14, 3-19.	4.3	32
5	Optimal design of Nonlinear Energy Sinks for SDOF structures subjected to white noise base excitations. <i>Engineering Structures</i> , 2017, 145, 135-152.	2.6	31
6	Probabilistic response of linear structures equipped with nonlinear damper devices (PIS method). <i>Probabilistic Engineering Mechanics</i> , 2008, 23, 125-133.	1.3	27
7	Hazard-Based Optimum Lifetime Inspection and Repair Planning for Deteriorating Structures. <i>Journal of Structural Engineering</i> , 2013, 139, .	1.7	19
8	Comparison among three boundary element methods for torsion problems: CPM, CVBEM, LEM. <i>Engineering Analysis With Boundary Elements</i> , 2011, 35, 895-907.	2.0	18
9	Viscoelastic bearings with fractional constitutive law for fractional tuned mass dampers. <i>Journal of Sound and Vibration</i> , 2015, 344, 18-27.	2.1	18
10	Optimal design of double-skin façades as vibration absorbers. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2086.	1.9	18
11	Closed-form stochastic response of linear building structures to spectrum-consistent seismic excitations. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 125, 105724.	1.9	14
12	Nonlinear energy sink and Eurocode 8: An optimal design approach based on elastic response spectra. <i>Engineering Structures</i> , 2020, 221, 111020.	2.6	14
13	CVBEM Application to a Novel Potential Function Providing Stress Field and Twist Rotation at Once. <i>Journal of Engineering Mechanics - ASCE</i> , 2013, 139, 1290-1293.	1.6	8
14	CVBEM for solving De Saint-Venant solid under shear forces. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 197-204.	2.0	7
15	Exact Closed-Form Fractional Spectral Moments for Linear Fractional Oscillators Excited by a White Noise. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2017, 3, .	0.7	6
16	Stochastic design of double-skin façades as seismic vibration absorbers. <i>Advances in Engineering Software</i> , 2020, 142, 102749.	1.8	5
17	Complex potential by hydrodynamic analogy for the determination of flexure-torsion induced stresses in De Saint Venant beams with boundary singularities. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 1632-1641.	2.0	4
18	Dynamic characterization of fractional oscillators for Fractional Tuned Mass Dampers tuning. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Interpretation of uplift pipeline-soil interaction behaviour using acoustic emission measurements. Canadian Geotechnical Journal, 2022, 59, 1321-1333.	1.4	3
20	CVBEM solution for De Saint-Venant orthotropic beams under coupled bending and torsion. Acta Mechanica, 2015, 226, 783-796.	1.1	2