

Alessandro Palmeri

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,164
citations

393982

19
h-index

433756

31
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66
all docs

66
docs citations

66
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	A Galerkin-type state-space approach for transverse vibrations of slender double-beam systems with viscoelastic inner layer. <i>Journal of Sound and Vibration</i> , 2011, 330, 6372-6386.	2.1	87
2	Response of beams resting on viscoelastically damped foundation to moving oscillators. <i>International Journal of Solids and Structures</i> , 2007, 44, 1317-1336.	1.3	74
3	Physically-based Dirac's delta functions in the static analysis of multi-cracked Euler-Bernoulli and Timoshenko beams. <i>International Journal of Solids and Structures</i> , 2011, 48, 2184-2195.	1.3	62
4	Experimental testing of grouted connections for offshore substructures: A critical review. <i>Structures</i> , 2015, 3, 90-108.	1.7	56
5	State Space Formulation for Linear Viscoelastic Dynamic Systems with Memory. <i>Journal of Engineering Mechanics - ASCE</i> , 2003, 129, 715-724.	1.6	54
6	Response analysis of rigid structures rocking on viscoelastic foundation. <i>Earthquake Engineering and Structural Dynamics</i> , 2008, 37, 1039-1063.	2.5	53
7	A substructure approach tailored to the dynamic analysis of multi-span continuous beams under moving loads. <i>Journal of Sound and Vibration</i> , 2010, 329, 3101-3120.	2.1	44
8	Time-domain response of linear hysteretic systems to deterministic and random excitations. <i>Earthquake Engineering and Structural Dynamics</i> , 2005, 34, 1129-1147.	2.5	40
9	Experimental investigation on the development of wear in grouted connections for offshore wind turbine generators. <i>Engineering Structures</i> , 2016, 113, 89-102.	2.6	38
10	A modified precise integration method for transient dynamic analysis in structural systems with multiple damping models. <i>Mechanical Systems and Signal Processing</i> , 2018, 98, 613-633.	4.4	37
11	Seismic performance of buildings retrofitted with nonlinear viscous dampers and adjacent reaction towers. <i>Earthquake Engineering and Structural Dynamics</i> , 2018, 47, 1329-1351.	2.5	34
12	A numerical method for the time-domain dynamic analysis of buildings equipped with viscoelastic dampers. <i>Structural Control and Health Monitoring</i> , 2011, 18, 519-539.	1.9	33
13	State-space based time integration method for structural systems involving multiple nonviscous damping models. <i>Computers and Structures</i> , 2016, 171, 31-45.	2.4	31
14	Spectrum-compatible accelerograms with harmonic wavelets. <i>Computers and Structures</i> , 2015, 147, 26-35.	2.4	28
15	Absolute versus relative formulations of the moving oscillator problem. <i>International Journal of Solids and Structures</i> , 2009, 46, 1085-1094.	1.3	26
16	Accelerated electric curing of steel-fibre reinforced concrete. <i>Construction and Building Materials</i> , 2018, 189, 192-204.	3.2	26
17	Fatigue analyses of buildings with viscoelastic dampers. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2006, 94, 377-395.	1.7	22
18	Static analysis of Euler-Bernoulli beams with multiple unilateral cracks under combined axial and transverse loads. <i>International Journal of Solids and Structures</i> , 2014, 51, 1020-1029.	1.3	22

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19	Dynamics of structural systems with various frequency-dependent damping models. <i>Frontiers of Mechanical Engineering</i> , 2015, 10, 48-63.	2.5	22
20	A modal projection-based reduction method for transient dynamic responses of viscoelastic systems with multiple damping models. <i>Computers and Structures</i> , 2018, 194, 60-73.	2.4	19
21	Optimal design of double-skin façades as vibration absorbers. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2086.	1.9	18
22	Maximum response statistics of MDoF linear structures excited by non-stationary random processes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2005, 194, 1711-1737.	3.4	16
23	Damping-adjusted combination rule for the response spectrum analysis of base-isolated buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2013, 42, 163-182.	2.5	16
24	Exact closed-form solutions for the static analysis of multi-cracked gradient-elastic beams in bending. <i>International Journal of Solids and Structures</i> , 2014, 51, 2744-2753.	1.3	16
25	A free interface component mode synthesis method for viscoelastically damped systems. <i>Journal of Sound and Vibration</i> , 2016, 365, 199-215.	2.1	15
26	Random Vibration of Systems with Viscoelastic Memory. <i>Journal of Engineering Mechanics - ASCE</i> , 2004, 130, 1052-1061.	1.6	14
27	A new modal correction method for linear structures subjected to deterministic and random loadings. <i>Computers and Structures</i> , 2011, 89, 844-854.	2.4	14
28	An efficient two-node finite element formulation of multi-damaged beams including shear deformation and rotatory inertia. <i>Computers and Structures</i> , 2015, 147, 96-106.	2.4	14
29	Transverse Vibrations of Viscoelastic Sandwich Beams via Galerkin-Based State-Space Approach. <i>Journal of Engineering Mechanics - ASCE</i> , 2016, 142, .	1.6	14
30	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
31	Design sensitivity analysis for transient response of non-viscously damped systems based on direct differentiate method. <i>Mechanical Systems and Signal Processing</i> , 2019, 121, 322-342.	4.4	14
32	Correlation coefficients for structures with viscoelastic dampers. <i>Engineering Structures</i> , 2006, 28, 1197-1208.	2.6	13
33	Dynamical response of the shaft-bearing system of marine propeller shaft with velocity-dependent friction. <i>Ocean Engineering</i> , 2019, 189, 106399.	1.9	13
34	Effects of viscoelastic memory on the buffeting response of tall buildings. <i>Wind and Structures, an International Journal</i> , 2004, 7, 89-106.	0.8	13
35	A comparative study of design sensitivity analysis based on adjoint variable method for transient response of non-viscously damped systems. <i>Mechanical Systems and Signal Processing</i> , 2018, 110, 390-411.	4.4	11
36	A NOVEL ANALYTICAL MODEL OF POWER SPECTRAL DENSITY FUNCTION COHERENT WITH EARTHQUAKE RESPONSE SPECTRA. , 2015, , .		11

#	ARTICLE	IF	CITATIONS
37	Linearization and first-order expansion of the rocking motion of rigid blocks stepping on viscoelastic foundation. <i>Earthquake Engineering and Structural Dynamics</i> , 2008, 37, 1065-1080.	2.5	10
38	Dynamic response analysis of nonlinear secondary oscillators to idealised seismic pulses. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 1473-1495.	2.5	10
39	Shaking Table Tests Validating Two Strengthening Interventions on Masonry Buildings. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	9
40	Design methodologies for one way spanning eccentrically loaded minimally or centrally reinforced pre-cast RC panels. <i>Engineering Structures</i> , 2013, 56, 1945-1956.	2.6	9
41	Prediction of Wear in Grouted Connections for Offshore Wind Turbine Generators. <i>Structures</i> , 2017, 10, 117-129.	1.7	9
42	Dynamic analysis of multi-cracked Euler-Bernoulli beams with gradient elasticity. <i>Computers and Structures</i> , 2015, 161, 64-76.	2.4	8
43	Using the vibration envelope as a damage-sensitive feature in composite beam structures. <i>Structures</i> , 2015, 1, 67-75.	1.7	7
44	Monitoring Dynamic Structural Tests Using Image Deblurring Techniques. <i>Key Engineering Materials</i> , 0, 569-570, 932-939.	0.4	6
45	Performance-based seismic design of a modular pipe-rack. <i>Procedia Engineering</i> , 2017, 199, 3564-3569.	1.2	6
46	Performance-based seismic design of steel structures accounting for fuzziness in their joint flexibility. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 115, 799-814.	1.9	6
47	Stochastic design of double-skin façades as seismic vibration absorbers. <i>Advances in Engineering Software</i> , 2020, 142, 102749.	1.8	5
48	Adoption of artificial lightweight aggregate in precast manufacture. <i>Magazine of Concrete Research</i> , 2013, 65, 1173-1186.	0.9	4
49	Peak response of non-linear oscillators under stationary white noise. <i>Computers and Structures</i> , 2007, 85, 255-263.	2.4	3
50	Seismic response of subsystems in irregular buildings. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2016, 169, 643-654.	0.4	3
51	Experimental characterisation of Perfobond shear connectors through a new one-sided push-out test. <i>Procedia Structural Integrity</i> , 2018, 13, 2024-2029.	0.3	3
52	Design sensitivity analysis for transient responses of viscoelastically damped systems using model order reduction techniques. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 1501-1526.	1.7	3
53	Identification of Passive Devices for Vibration Control by Evolutionary Algorithms. , 2013, , 373-387.		3
54	Wear in Large Diameter Grouted Connections for Offshore Wind Energy Converters. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
55	Monitoring 3D Vibrations in Structures using High-Resolution Blurred Imagery. Photogrammetric Record, 2016, 31, 304-324.	0.4	2
56	Passive Control Techniques for Retrofitting of Existing Structures. , 2015, , 1849-1871.		2
57	Tension Softening Effects on the Buckling Behavior of Slender Concrete Wall Panels. , 2011, , .		1
58	A novel one-sided push-out test for shear connectors in composite beams. , 0, , .		1
59	A Numerical Method for the Dynamic Analysis of Buildings Provided with Viscoelastic Devices. Advances in Science and Technology, 0, , .	0.2	0
60	Passive Control Techniques for Retrofitting of Existing Structures. , 2014, , 1-24.		0
61	Lateral Stability of Prestressed Precast Concrete Girders During Lifting: Study Case. , 2018, , 1530-1537.		0