

Seyed Ahmad Fazelzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

1,857
citations

279798

23
h-index

289244

40
g-index

96
all docs

96
docs citations

96
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of quasi-static stop band in a new one-dimensional metamaterial. <i>Archive of Applied Mechanics</i> , 2023, 93, 287-299.	2.2	5
2	Dynamic stability of rotating cantilever meta-sandwich beam subjected to tangential tip non-conservative force. <i>Applied Mathematical Modelling</i> , 2022, 105, 423-437.	4.2	2
3	Flutter Analysis of a 3D Box-Wing Aircraft Configuration. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	2.4	2
4	One-Dimensional Well-Posed Nonlocal Elasticity Models for Finite Domains. <i>Springer Tracts in Mechanical Engineering</i> , 2021, , 149-168.	0.3	0
5	An analytical approach for calculating natural frequencies of finite one-dimensional acoustic metamaterials. <i>Meccanica</i> , 2021, 56, 1819-1829.	2.0	2
6	Aeroelastic Stability Analysis of Electric Aircraft Wings with Distributed Electric Propulsors. <i>Aerospace</i> , 2021, 8, 100.	2.2	7
7	Flutter suppression of an aircraft wing with a flexibly mounted mass using magneto-rheological damper. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2020, 234, 827-839.	1.3	4
8	Review on nonlocal continuum mechanics: Physics, material applicability, and mathematics. <i>Mechanics of Materials</i> , 2020, 150, 103587.	3.2	61
9	Aeroelastic stability analysis of aircraft wings with initial curvature. <i>Aerospace Science and Technology</i> , 2020, 107, 106241.	4.8	16
10	Experimental Nonlinear Flutter Analysis of a Cantilever Wing/Store. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2050082.	2.4	6
11	Well-posed nonlocal elasticity model for finite domains and its application to the mechanical behavior of nanorods. <i>Acta Mechanica</i> , 2020, 231, 4019-4033.	2.1	5
12	Aeroelastic analysis of swept pre-twisted wings. <i>Journal of Fluids and Structures</i> , 2020, 95, 103001.	3.4	7
13	Fuzzy uncertainty analysis and reliability assessment of aeroelastic aircraft wings. <i>Aeronautical Journal</i> , 2020, 124, 786-811.	1.6	6
14	Fuzzy uncertainty analysis in the flutter boundary of an aircraft wing subjected to a thrust force. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 2185-2197.	1.3	9
15	New insights on nonlocal spherical shell model and its application to free vibration of spherical fullerene molecules. <i>International Journal of Mechanical Sciences</i> , 2019, 161-162, 105046.	6.7	4
16	Aeroelastic Stability Analysis of Tailored Pretwisted Wings. <i>AIAA Journal</i> , 2019, 57, 4458-4466.	2.6	11
17	Wave propagation in one-dimensional infinite acoustic metamaterials with long-range interactions. <i>Acta Mechanica</i> , 2019, 230, 4453-4461.	2.1	27
18	Nonconservative Stability Analysis of Columns with Various Loads and Boundary Conditions. <i>AIAA Journal</i> , 2019, 57, 4269-4277.	2.6	7

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19	Nonlinear time domain and stability analysis of beams under partially distributed follower force. <i>Applied Mathematical Modelling</i> , 2019, 73, 303-326.	4.2	5
20	Computational Modelling of the Vibrational Characteristics of Zero-Dimensional Nanoscopic Structures. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , 143-159.	0.3	0
21	Modelling the Mechanical Characteristics of One-Dimensional Nanoscopic Structures. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , 161-185.	0.3	0
22	Modelling the Mechanical Characteristics of Carbon Nanotubes: A Nonlocal Differential Approach. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , 187-217.	0.3	0
23	Computational Continuum Mechanics of Nanoscopic Structures. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , .	0.3	21
24	Fundamental Tenets of Nanomechanics. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , 11-39.	0.3	0
25	Thermoelastic vibration of doubly-curved nano-composite shells reinforced by graphene nanoplatelets. <i>Journal of Thermal Stresses</i> , 2019, 42, 1-17.	2.0	41
26	Application of Nonlocal Elasticity Theory to Modelling of Two-Dimensional Structures. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , 219-239.	0.3	0
27	Nonlocal Elasticity Models for Mechanics of Complex Nanoscopic Structures. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , 241-260.	0.3	1
28	Recent Developments and Future Challenges in the Application of Nonlocal Elasticity Theory. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , 261-275.	0.3	0
29	Nonlocal Modelling of Nanoscopic Structures. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , 87-113.	0.3	0
30	Elastic Properties of Carbon-Based Nanoscopic Structures. <i>Springer Tracts in Mechanical Engineering</i> , 2019, , 115-139.	0.3	0
31	Uncertainty propagation in vibrational characteristics of functionally graded carbon nanotube-reinforced composite shell panels. <i>International Journal of Mechanical Sciences</i> , 2018, 149, 549-558.	6.7	33
32	Non-conservative stability of spinning pretwisted cantilever beams. <i>Journal of Sound and Vibration</i> , 2018, 412, 130-147.	3.9	7
33	Geometrically Exact, Fully Intrinsic Analysis of Pre-Twisted Beams Under Distributed Follower Forces. <i>AIAA Journal</i> , 2018, 56, 836-848.	2.6	13
34	Nonlocal inflected nano-beams: A stress-driven approach of bi-Helmholtz type. <i>Composite Structures</i> , 2018, 200, 239-245.	5.8	71
35	Closed-form expression for geometrically nonlinear large deformation of nano-beams subjected to end force. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	8
36	Nonlocal fully intrinsic equations for free vibration of Euler-Bernoulli beams with constitutive boundary conditions. <i>Acta Mechanica</i> , 2018, 229, 3279-3292.	2.1	13

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37	Suppression of nonlinear aeroelastic vibration of a wing/store under gust effects using an adaptive-robust controller. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 1206-1217.	2.6	14
38	A computational modeling of Raman radial breathing-like mode frequencies of fullerene encapsulated inside single-walled carbon nanotubes. <i>Journal of Molecular Modeling</i> , 2017, 23, 48.	1.8	6
39	Thermoelastic vibration and maneuver control of smart satellites. <i>Aircraft Engineering and Aerospace Technology</i> , 2017, 89, 477-490.	1.2	4
40	Thermally induced vibrations of smart solar panel in a low-orbit satellite. <i>Advances in Space Research</i> , 2017, 59, 1502-1513.	2.6	36
41	Dynamic Stability of Pretwisted Cantilever Beams Subjected to Distributed Follower Force. <i>AIAA Journal</i> , 2017, 55, 955-964.	2.6	7
42	Oscillations of spherical fullerenes interacting with graphene sheet. <i>Physica B: Condensed Matter</i> , 2017, 504, 47-51.	2.7	9
43	Flow-Induced Flutter Instability of Functionally Graded Cantilever Pipe. <i>International Journal of Acoustics and Vibrations</i> , 2017, 22, .	0.3	5
44	Robust Inverse Dynamic Control of a Maneuvering Smart Flexible Satellite with Piezoelectric Layers. <i>International Journal of Acoustics and Vibrations</i> , 2017, 22, .	0.3	1
45	Effect of Uniformly Distributed Tangential Follower Force on the Stability of Rotating Cantilever Tube Conveying Fluid. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 365-377.	1.0	10
46	Nonlocal continuum-based modeling of mechanical characteristics of nanoscopic structures. <i>Physics Reports</i> , 2016, 638, 1-97.	25.6	140
47	Buckling Analysis of Nonlocal Anisotropic Thin-Walled Cylindrical Shells Subject to Combined Loading. <i>Journal of Engineering Mechanics - ASCE</i> , 2016, 142, .	2.9	5
48	Evaluation of nonlocal parameter for single-walled carbon nanotubes with arbitrary chirality. <i>Meccanica</i> , 2016, 51, 41-54.	2.0	18
49	Aeroelastic Analysis of Unrestrained Aircraft Wing with External Stores Under Roll Maneuver. <i>International Journal of Acoustics and Vibrations</i> , 2016, 21, .	0.3	3
50	Control of a Support Excitation Smart Beam Subjected to a Follower Force with Piezoelectric Sensors/Actuators. <i>Latin American Journal of Solids and Structures</i> , 2015, 12, 2403-2416.	1.0	6
51	Raman radial breathing mode frequency of boron nitride nanotubes with bounded uncertain material properties. <i>Micro and Nano Letters</i> , 2015, 10, 617-620.	1.3	3
52	Aeroelastic characteristics of functionally graded carbon nanotube-reinforced composite plates under a supersonic flow. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 285, 714-729.	6.6	41
53	Continuum modeling of breathing-like modes of spherical carbon onions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1600-1606.	2.1	11
54	Analytical formula to estimate the van der Waals interlayer interaction coefficients for nested spherical fullerenes. <i>Physica B: Condensed Matter</i> , 2015, 478, 63-67.	2.7	6

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55	Radial breathing-mode frequency of elastically confined spherical nanoparticles subjected to circumferential magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 66, 228-233.	2.7	10
56	Nanoscale mass sensing based on vibration of single-layered graphene sheet in thermal environments. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2014, 30, 84-91.	3.4	35
57	Vibration analysis of curved graphene ribbons based on an elastic shell model. <i>Mechanics Research Communications</i> , 2014, 56, 61-68.	1.8	4
58	ACTIVE CONTROL OF AN FGM BEAM UNDER FOLLOWER FORCE WITH PIEZOELECTRIC SENSORS/ACTUATORS. <i>International Journal of Structural Stability and Dynamics</i> , 2014, 14, 1350063.	2.4	15
59	Prediction of radial breathing-like modes of double-walled carbon nanotubes with arbitrary chirality. <i>Physica B: Condensed Matter</i> , 2014, 451, 34-38.	2.7	3
60	Nonlocal continuum-based modeling of breathing mode of nanowires including surface stress and surface inertia effects. <i>Physica B: Condensed Matter</i> , 2014, 440, 43-47.	2.7	14
61	Fluid-Thermoelastic Behaviors of FGM Thin-Walled Beams and Pipes. , 2014, , 1700-1711.		2
62	Structural instability of carbon nanotubes embedded in viscoelastic medium and subjected to distributed tangential load. <i>Journal of Mechanical Science and Technology</i> , 2013, 27, 2085-2091.	1.5	14
63	Radial vibration of free anisotropic nanoparticles based on nonlocal continuum mechanics. <i>Nanotechnology</i> , 2013, 24, 075702.	2.6	26
64	Stability analysis of partially loaded Leipholz column carrying a lumped mass and resting on elastic foundation. <i>Journal of Sound and Vibration</i> , 2013, 332, 595-607.	3.9	22
65	Vibration suppression of smart nonlinear flexible appendages of a rotating satellite by using hybrid adaptive sliding mode/Lyapunov control. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 975-991.	2.6	25
66	Nonlocal elasticity theory for radial vibration of nanoscale spherical shells. <i>European Journal of Mechanics, A/Solids</i> , 2013, 41, 37-42.	3.7	37
67	Aeroelastic response of an aircraft wing with mounted engine subjected to time-dependent thrust. <i>Journal of Fluids and Structures</i> , 2013, 39, 292-305.	3.4	20
68	Free vibration analysis of orthotropic doubly-curved shallow shells based on the gradient elasticity. <i>Composites Part B: Engineering</i> , 2013, 45, 1448-1457.	12.0	36
69	Vibration analysis of viscoelastic orthotropic nanoplates resting on viscoelastic medium. <i>Composite Structures</i> , 2013, 96, 405-410.	5.8	138
70	EFFECT OF TEMPERATURE CHANGE ON THE RADIAL BREATHING MODE FREQUENCY OF SINGLE-WALLED CARBON NANOTUBES. <i>Nano</i> , 2013, 08, 1350057.	1.0	4
71	RADIAL VIBRATION CHARACTERISTICS OF SPHERICAL NANOPARTICLES IMMERSSED IN FLUID MEDIUM. <i>Modern Physics Letters B</i> , 2013, 27, 1350186.	1.9	10
72	Non-conservative instability of cantilever carbon nanotubes resting on viscoelastic foundation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1623-1630.	2.7	43

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73	Vibration characteristics of single-walled carbon nanotubes based on an anisotropic elastic shell model including chirality effect. <i>Applied Mathematical Modelling</i> , 2012, 36, 4988-5000.	4.2	55
74	Exact solution for nonlocal vibration of double-orthotropic nanoplates embedded in elastic medium. <i>Composites Part B: Engineering</i> , 2012, 43, 3384-3390.	12.0	82
75	Coupled axisymmetric vibration of nonlocal fluid-filled closed spherical membrane shell. <i>Acta Mechanica</i> , 2012, 223, 2011-2020.	2.1	12
76	Nonlocal anisotropic elastic shell model for vibrations of single-walled carbon nanotubes with arbitrary chirality. <i>Composite Structures</i> , 2012, 94, 1016-1022.	5.8	68
77	Thermal Divergence of Supersonic Functionally Graded Plates. <i>Journal of Thermal Stresses</i> , 2011, 34, 759-777.	2.0	10
78	Flow-thermoelastic vibration and instability analysis of viscoelastic carbon nanotubes embedded in viscous fluid. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 17-24.	2.7	69
79	Vibration suppression and adaptive-robust control of a smart flexible satellite with three axes maneuvering. <i>Acta Astronautica</i> , 2011, 69, 307-322.	3.2	65
80	Trajectory tracking and active vibration suppression of a smart Single-Link flexible arm using a composite control design. <i>Smart Structures and Systems</i> , 2011, 7, 103-116.	1.9	6
81	Minimum-time Earth-Moon and Moon-Earth orbital maneuvers using time-domain finite element method. <i>Acta Astronautica</i> , 2010, 66, 528-538.	3.2	15
82	Divergence and flutter of shear deformable aircraft swept wings subjected to roll angular velocity. <i>Acta Mechanica</i> , 2010, 212, 151-165.	2.1	11
83	Maneuver control and active vibration suppression of a two-link flexible arm using a hybrid variable structure/Lyapunov control design. <i>Acta Astronautica</i> , 2010, 67, 1218-1232.	3.2	40
84	A consistent approach for deriving a 1D constitutive equation for shape memory alloys. <i>Smart Materials and Structures</i> , 2009, 18, 097002.	3.5	2
85	Bending-torsional flutter of wings with an attached mass subjected to a follower force. <i>Journal of Sound and Vibration</i> , 2009, 323, 148-162.	3.9	62
86	A New and Consistent Approach for Deriving Brinson's 1-D Constitutive Equation for Shape Memory Alloys. , 2008, , .		0
87	Active control law design for flutter suppression and gust alleviation of a panel with piezoelectric actuators. <i>Smart Materials and Structures</i> , 2008, 17, 035013.	3.5	19
88	Vibration analysis of functionally graded thin-walled rotating blades under high temperature supersonic flow using the differential quadrature method. <i>Journal of Sound and Vibration</i> , 2007, 306, 333-348.	3.9	96
89	Aerothermoelastic behavior of supersonic rotating thin-walled beams made of functionally graded materials. <i>Journal of Fluids and Structures</i> , 2007, 23, 1251-1264.	3.4	61
90	Stochastic analysis of two dimensional nonlinear panels with structural damping under random excitation. <i>Aerospace Science and Technology</i> , 2006, 10, 192-198.	4.8	1

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91	Nonlinear Equations of Motion for the Maneuvering Flexible Aircraft Wings. , 2006, , 217.		3
92	Aerothermoelastic Behavior of Supersonic Rotating Thin-Walled Beams Made of Functionally Graded Materials. , 2006, , 227.		2
93	Suppression Vibration Adaptive Inverse Dynamics Control of Flexible Plate with Piezoelectric Layers. Advanced Materials Research, 0, 403-408, 618-624.	0.3	0