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List of Publications by Year in descending order

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50
papers

1,578
citations

346980

22
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340414

39
g-index

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all docs

50
docs citations

50
times ranked

1104
citing authors

#	ARTICLE	IF	CITATIONS
1	Isogeometric Kirchhoff–Love shell patches in free and forced vibration of sinusoidally corrugated FG carbon nanotube-reinforced composite panels. <i>Thin-Walled Structures</i> , 2022, 171, 108707.	2.7	24
2	Mechanical and electromagnetic behavior of fabricated hybrid composite sandwich radome with a new optimized frequency-selective surface. <i>Composite Structures</i> , 2021, 273, 114256.	3.1	11
3	Enhanced mechanical properties of epoxy-based nanocomposites reinforced with functionalized carbon nanobuds. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	6
4	FSDT-Based Isogeometric Analysis for Free Vibration Behavior of Functionally Graded Skew Folded Plates. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2020, 44, 841-863.	0.8	13
5	Applying isogeometric approach for free vibration, mechanical, and thermal buckling analyses of functionally graded variable-thickness blades. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 2193-2209.	1.5	11
6	Isogeometric-stepwise vibrational behavior of rotating functionally graded blades with variable thickness at an arbitrary stagger angle subjected to thermal environment. <i>Composite Structures</i> , 2020, 244, 112281.	3.1	22
7	Longitudinal, Transverse, and Torsional Free Vibrational and Mechanical Behavior of Silicon Nanotubes Using an Atomistic Model. <i>Materials Research</i> , 2020, 23, .	0.6	15
8	Vibrational behavior of doubly curved smart sandwich shells with FG-CNTRC face sheets and FG porous core. <i>Composites Part B: Engineering</i> , 2019, 165, 798-822.	5.9	93
9	Application of transformed differential quadrature to free vibration analysis of FG-CNTRC quadrilateral spherical panel with piezoelectric layers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 335, 510-537.	3.4	52
10	Critical buckling load optimization of functionally graded carbon nanotube-reinforced laminated composite quadrilateral plates. <i>Polymer Composites</i> , 2018, 39, E853.	2.3	13
11	Nonlinear modeling of crystal system transition of black phosphorus using continuum-DFT model. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 035901.	0.7	7
12	Vibration of FG-GPLs eccentric annular plates embedded in piezoelectric layers using a transformed differential quadrature method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 340, 451-479.	3.4	92
13	Continuum-DFT multiscale model to investigate linear/nonlinear anisotropic mechanical characterization of crystal phase of nylon-6, 6. <i>Mechanics of Materials</i> , 2018, 117, 181-191.	1.7	7
14	Free Vibration of Smart Carbon Nanotube Reinforced Composite Skew Panels with Variable Radius of Curvature. <i>International Journal of Materials Mechanics and Manufacturing</i> , 2018, 6, 317-320.	0.2	1
15	Vibration of functionally graded CNTs-reinforced skewed cylindrical panels using a transformed differential quadrature method. <i>Acta Mechanica</i> , 2017, 228, 2691-2711.	1.1	46
16	Improved tensile and buckling behavior of defected carbon nanotubes utilizing boron nitride coating – A molecular dynamic study. <i>Physica B: Condensed Matter</i> , 2017, 507, 156-163.	1.3	23
17	Atomistic study of mono/multi-atomic vacancy defects on the mechanical characterization of boron-doped graphene sheets. <i>Journal of Molecular Modeling</i> , 2017, 23, 2.	0.8	16
18	Mechanical behavior enhancement of defective graphene sheet employing boron nitride coating via atomistic study. <i>Materials Research Express</i> , 2017, 4, 125019.	0.8	9

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19	Nonlinear free vibration and post-buckling of FG-CNTRC beams on nonlinear foundation. <i>Steel and Composite Structures</i> , 2017, 24, 65-77.	1.3	15
20	Large amplitude free vibration analysis of functionally graded nano/micro beams on nonlinear elastic foundation. <i>Structural Engineering and Mechanics</i> , 2017, 61, 209-220.	1.0	5
21	An explicit solution for the size-dependent large amplitude transverse vibration of thin functionally graded micro-plates. <i>Scientia Iranica</i> , 2017, .	0.3	3
22	Linear and nonlinear torsional free vibration of functionally graded micro/nano-tubes based on modified couple stress theory. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2016, 37, 725-740.	1.9	21
23	Application of TW-DQ method to nonlinear free vibration analysis of FG carbon nanotube-reinforced composite quadrilateral plates. <i>Thin-Walled Structures</i> , 2016, 108, 1-11.	2.7	46
24	A density functional approach to characterize anisotropic hyperelastic behavior of organic crystals: Case study of nylon-6,6. <i>Computational Materials Science</i> , 2016, 124, 390-397.	1.4	8
25	A novel multi-component strain-gauge external balance for wind tunnel tests: Simulation and experiment. <i>Sensors and Actuators A: Physical</i> , 2016, 247, 172-186.	2.0	29
26	DQ thermal buckling analysis of embedded curved carbon nanotubes based on nonlocal elasticity theory. <i>Latin American Journal of Solids and Structures</i> , 2015, 12, 1901-1917.	0.6	9
27	Nanoconfined polymers: modelling and simulation approaches. <i>Molecular Simulation</i> , 2015, 41, 367-381.	0.9	4
28	Three-dimensional transient analysis of functionally graded truncated conical shells with variable thickness subjected to an asymmetric dynamic pressure. <i>International Journal of Pressure Vessels and Piping</i> , 2014, 119, 29-38.	1.2	19
29	Nonlinear dynamic analysis of FG micro-pipes conveying fluid based on strain gradient theory. <i>Composite Structures</i> , 2014, 116, 128-135.	3.1	101
30	Three-dimensional transient analysis of functionally graded cylindrical shells subjected to asymmetric dynamic pressure. <i>Science and Engineering of Composite Materials</i> , 2013, 20, 75-85.	0.6	4
31	Nonlinear free vibration of orthotropic graphene sheets using nonlocal Mindlin plate theory. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2012, 226, 1896-1906.	1.1	31
32	A two-dimensional free vibration analysis of functionally graded sandwich beams under thermal environment. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2012, 226, 2860-2873.	1.1	16
33	Transient dynamic and free vibration analysis of functionally graded truncated conical shells with non-uniform thickness subjected to mechanical shock loading. <i>Composites Part B: Engineering</i> , 2012, 43, 2161-2171.	5.9	56
34	Small scale effect on the free vibration of orthotropic arbitrary straight-sided quadrilateral nanoplates. <i>Composite Structures</i> , 2011, 93, 1631-1639.	3.1	109
35	Small scale effect on the thermal buckling of orthotropic arbitrary straight-sided quadrilateral nanoplates embedded in an elastic medium. <i>Composite Structures</i> , 2011, 93, 2083-2089.	3.1	95
36	Hybrid layerwise-differential quadrature transient dynamic analysis of functionally graded axisymmetric cylindrical shells subjected to dynamic pressure. <i>Composite Structures</i> , 2011, 93, 2663-2670.	3.1	37

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37	Exact nonlocal solution for postbuckling of single-walled carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1730-1737.	1.3	67
38	Mechanical Properties of Silicon-Germanium Nanotubes under Tensile and Compressive Loadings. <i>Journal of Nano Research</i> , 2011, 15, 105-114.	0.8	11
39	Atomistic Simulation of Tension-Compression Asymmetry in Defect-Free Nickel Nanocrystals. , 2010, , .		0
40	DQM in-plane free vibration of laminated moderately thick circular deep arches. <i>Advances in Engineering Software</i> , 2009, 40, 798-803.	1.8	22
41	Low velocity impact analysis of laminated composite plates using a 3D elasticity based layerwise FEM. <i>Materials & Design</i> , 2009, 30, 3795-3801.	5.1	42
42	Atomistic simulations of the buckling behavior of perfect and defective silicon carbide nanotubes. <i>Computational Materials Science</i> , 2009, 47, 388-397.	1.4	33
43	A hybrid layerwise and differential quadrature method for in-plane free vibration of laminated thick circular arches. <i>Journal of Sound and Vibration</i> , 2008, 315, 212-225.	2.1	56
44	Nanoscale simulations of Bauschinger effects on a nickel nanowire. <i>Materials Letters</i> , 2008, 62, 4266-4268.	1.3	20
45	Nickel nanowires under uniaxial loads: A molecular dynamics simulation study. <i>Computational Materials Science</i> , 2008, 44, 378-384.	1.4	69
46	Large deformation analysis of moderately thick laminated plates on nonlinear elastic foundations by DQM. <i>Composite Structures</i> , 2007, 80, 569-579.	3.1	50
47	Optimization of non-symmetric convectiveâ€“radiative annular fins by differential quadrature method. <i>Energy Conversion and Management</i> , 2007, 48, 1671-1677.	4.4	26
48	Comparison of Analytical, Numerical, and Experimental Methods in Deriving Fracture Toughness Properties of Adhesives Using Bonded Double Lap Joint Specimens. <i>Journal of Adhesion</i> , 2005, 81, 529-553.	1.8	9
49	Static, free vibration and buckling analysis of anisotropic thick laminated composite plates on distributed and point elastic supports using a 3-D layer-wise FEM. <i>Engineering Structures</i> , 2004, 26, 211-220.	2.6	67
50	A solution for the vibration and buckling of composite laminates with elastically restrained edges. <i>Composite Structures</i> , 2003, 60, 245-253.	3.1	37