

# On differential equations of nonlocal elasticity and solutions of surface waves

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Citation Report

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1109	Eringen's non-local elasticity theory for bending analysis of bi-directional functionally graded Euler-Bernoulli nano-beams. <i>International Journal of Engineering Science</i> , 2016, 106, 1-9.	2.7	124
1110	Nonlinear vibration of carbon nanotube embedded in viscous elastic matrix under parametric excitation by nonlocal continuum theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 83, 195-200.	1.3	48
1111	Nonlocal and surface effects on the buckling behavior of functionally graded nanoplates: An isogeometric analysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 84, 84-97.	1.3	88
1112	Nonlocal effect on the nonlinear dynamic characteristics of buckled parametric double-layered nanoplates. <i>Nonlinear Dynamics</i> , 2016, 85, 1719-1733.	2.7	9
1113	Analysis of size-dependent mechanical properties of CNTs mass sensor using energy equivalent model. <i>Sensors and Actuators A: Physical</i> , 2016, 246, 9-17.	2.0	36
1114	Analyses of transverse vibrations of axially pretensioned viscoelastic nanobeams with small size and surface effects. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2294-2299.	0.9	26
1115	Double nanoplate-based NEMS under hydrostatic and electrostatic actuations. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	24
1116	Vibration analysis of a single-layered graphene sheet-based mass sensor using the Galerkin strip distributed transfer function method. <i>Acta Mechanica</i> , 2016, 227, 2899-2910.	1.1	22
1117	Exact solution of Eringen's nonlocal integral model for bending of Euler-Bernoulli and Timoshenko beams. <i>International Journal of Engineering Science</i> , 2016, 105, 80-92.	2.7	131
1118	Torsional wave propagation in multiwalled carbon nanotubes using nonlocal elasticity. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	24
1119	Observations of the softening phenomena in the nonlocal cantilever beams. <i>Composite Structures</i> , 2016, 145, 43-57.	3.1	61
1120	Thermal effects on nonlinear vibration behavior of viscoelastic nanosize plates. <i>Journal of Thermal Stresses</i> , 2016, 39, 606-625.	1.1	90
1121	Buckling and vibrations of microstructured rectangular plates considering phenomenological and lattice-based nonlocal continuum models. <i>Composite Structures</i> , 2016, 149, 145-156.	3.1	40
1122	Studying the influence of surface effects on vibration behavior of size-dependent cracked FG Timoshenko nanobeam considering nonlocal elasticity and elastic foundation. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	17
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1124	Analysis of a micro piezoelectric vibration energy harvester by nonlocal elasticity theory. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401664345.	0.8	3
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1127	Exploring the source of non-locality in the Euler-Bernoulli and Timoshenko beam models. <i>International Journal of Engineering Science</i> , 2016, 104, 110-115.	2.7	16
1128	An Analytical Solution for Free Vibration of Piezoelectric Nanobeams Based on a Nonlocal Elasticity Theory. <i>Journal of Mechanics</i> , 2016, 32, 143-151.	0.7	24
1129	Size-dependent effects on critical flow velocity of fluid-conveying microtubes via nonlocal strain gradient theory. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	1.0	62
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1132	Propagation of elastic waves in nanostructures. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
1133	Nonlocal frequency analysis of nanosensors with different boundary conditions and attached distributed biomolecules: an approximate method. <i>Acta Mechanica</i> , 2016, 227, 2323-2342.	1.1	10
1134	Progressive damage state evolution and quantification in composites. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
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1136	Frequency analysis of curved nano-sandwich structure based on a nonlocal model. <i>Modern Physics Letters B</i> , 2016, 30, 1650136.	1.0	17
1137	Vibration analysis of non-uniform orthotropic Kirchhoff plates resting on elastic foundation based on nonlocal elasticity theory. <i>International Journal of Mechanical Sciences</i> , 2016, 114, 1-11.	3.6	30
1138	Free Vibration Analysis of Carbon Nanotubes by Using Finite Element Method. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2016, 40, 43-55.	0.8	14
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1141	Nonlinear free vibration of a cantilever nanobeam with surface effects: Semi-analytical solutions. <i>International Journal of Mechanical Sciences</i> , 2016, 113, 184-195.	3.6	31
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1143	Differential cubature and quadrature-Bolotin methods for dynamic stability of embedded piezoelectric nanoplates based on visco-nonlocal-piezoelectricity theories. <i>Composite Structures</i> , 2016, 157, 174-186.	3.1	77



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1152	Nonlinear electroelastic vibration analysis of NEMS consisting of double-viscoelastic nanoplates. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	34
1153	Torsional vibration of carbon nanotube with axial velocity and velocity gradient effect. <i>International Journal of Mechanical Sciences</i> , 2016, 119, 88-96.	3.6	47
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1163	A unified formulation for dynamic analysis of nonlocal heterogeneous nanobeams in hygro-thermal environment. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	98
1164	Eringen's Stress Gradient Model for Bending of Nonlocal Beams. <i>Journal of Engineering Mechanics - ASCE</i> , 2016, 142, .	1.6	44
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1167	Nonlinear bending and free vibration analyses of nonlocal strain gradient beams made of functionally graded material. <i>International Journal of Engineering Science</i> , 2016, 107, 77-97.	2.7	261
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1188	Vibration and Instability Analysis of Double-Carbon Nanotubes System Conveying Fluid. <i>Journal of Nanomechanics &amp; Micromechanics</i> , 2016, 6, 04016008.	1.4	2
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1196	Size-dependent thermal stability analysis of embedded functionally graded annular nanoplates based on the nonlocal elasticity theory. <i>International Journal of Mechanical Sciences</i> , 2016, 119, 396-411.	3.6	38
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1204	Microstructure-dependent dynamic stability analysis of torsional NEMS scanner in van der Waals regime. <i>International Journal of Modern Physics B</i> , 2016, 30, 1650109.	1.0	4
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1215	Comprehensive and easy-to-use torsion and bending theories for micropolar beams. <i>International Journal of Mechanical Sciences</i> , 2016, 114, 71-87.	3.6	25

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1223	On wave propagation characteristics in fluid saturated porous materials by a nonlocal Biot theory. <i>Journal of Sound and Vibration</i> , 2016, 379, 106-118.	2.1	55
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1229	A non-classical Kirchhoff plate model incorporating microstructure, surface energy and foundation effects. <i>Continuum Mechanics and Thermodynamics</i> , 2016, 28, 195-213.	1.4	54
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1401	A new nonlocal FEM via Hermitian cubic shape functions for thermal vibration of nano beams surrounded by an elastic matrix. <i>Composite Structures</i> , 2017, 168, 872-884.	3.1	109
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1404	Forced transverse vibrations of an elastically connected nonlocal orthotropic double-nanoplate system subjected to an in-plane magnetic field. <i>Acta Mechanica</i> , 2017, 228, 2165-2185.	1.1	28
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1409	Effect of temperature on pull-in voltage and nonlinear vibration behavior of nanoplate-based NEMS under hydrostatic and electrostatic actuations. <i>Acta Mechanica Solida Sinica</i> , 2017, 30, 174-189.	1.0	18
1410	Size-dependent behavior of viscoelastic nanoplates incorporating surface energy and microstructure effects. <i>International Journal of Mechanical Sciences</i> , 2017, 123, 117-132.	3.6	26
1411	Nonlocal vibration and biaxial buckling of double-viscoelastic-FGM-nanoplate system with viscoelastic Pasternak medium in between. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1228-1235.	0.9	51
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1413	Investigating dynamic response of porous inhomogeneous nanobeams on hybrid Kerr foundation under hygro-thermal loading. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	25
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1425	Size-dependent free vibration analysis of functionally graded piezoelectric plate subjected to thermo-electro-mechanical loading. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 3039-3053.	1.4	31
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1436	Modeling the Size-Dependent Nanostructures: Incorporating the Bulk and Surface Effects. <i>Journal of Nanomechanics &amp; Micromechanics</i> , 2017, 7, 04016012.	1.4	7
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1438	Post-buckling analysis of functionally graded nanobeams incorporating nonlocal stress and microstructure-dependent strain gradient effects. <i>International Journal of Mechanical Sciences</i> , 2017, 120, 159-170.	3.6	159
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1455	Vibration analysis of defective graphene sheets using nonlocal elasticity theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 93, 257-264.	1.3	14
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1458	Nonlocal elasticity in plates using novel trial functions. <i>International Journal of Mechanical Sciences</i> , 2017, 130, 221-233.	3.6	10
1459	A general nonlocal theory and its approximations for slowly varying acoustic waves. <i>International Journal of Mechanical Sciences</i> , 2017, 130, 52-63.	3.6	35
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1463	Frequency spectra of nonlocal Timoshenko beams and an effective method of determining nonlocal effect. <i>International Journal of Mechanical Sciences</i> , 2017, 128-129, 572-582.	3.6	16
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1477	A size-dependent generalized thermoelastic diffusion theory and its application. <i>Journal of Thermal Stresses</i> , 2017, 40, 603-626.	1.1	27
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1504	Dynamic instability and bifurcation of electrically actuated circular nanoplate considering surface behavior and small scale effect. <i>International Journal of Mechanical Sciences</i> , 2017, 126, 12-23.	3.6	15
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1517	Dynamic Behavior of Multi-Layered Viscoelastic Nanobeam System Embedded in a Viscoelastic Medium with a Moving Nanoparticle. <i>Journal of Mechanics</i> , 2017, 33, 559-575.	0.7	36
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1531	Nonlinear thermal and flow-induced vibration analysis of fluid-conveying carbon nanotube resting on Winkler and Pasternak foundations. <i>Thermal Science and Engineering Progress</i> , 2017, 4, 133-149.	1.3	16
1532	Static stability analysis of embedded flexoelectric nanoplates considering surface effects. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	20
1533	Transverse Vibration of Tapered Single-Walled Carbon Nanotubes Embedded in Viscoelastic Medium. <i>Brazilian Journal of Physics</i> , 2017, 47, 657-671.	0.7	0
1534	Small-size effect on wrinkle and fracture of monolayer graphene subjected to in-plane shear. <i>Nanotechnology</i> , 2017, 28, 455702.	1.3	4
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1536	Nonlinear bending response of functionally graded nanobeams with material uncertainties. <i>International Journal of Mechanical Sciences</i> , 2017, 134, 123-135.	3.6	46
1537	Vibration analysis of multi-phase nanocrystalline material nanoshells using strain gradient elasticity. <i>Materials Research Express</i> , 2017, 4, 105021.	0.8	3
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1545	Magnetic field and surface elasticity effects on thermal vibration properties of nanoplates. <i>Composite Structures</i> , 2017, 180, 568-580.	3.1	14
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1696	Thermal and Small-Scale Effects on Vibration of Embedded Armchair Single-Walled Carbon Nanotubes. <i>Journal of Nano Research</i> , 0, 51, 24-38.	0.8	14
1697	Wave dispersion characteristics of embedded graphene platelets-reinforced composite microplates. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	14
1698	Stress-driven modeling of nonlocal thermoelastic behavior of nanobeams. <i>International Journal of Engineering Science</i> , 2018, 126, 53-67.	2.7	121
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1708	Vibration analysis of rotating nanobeam systems using Eringen's two-phase local/nonlocal model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 99, 310-319.	1.3	62
1709	Closed-form nonlinear frequency of flexoelectric nanobeams with surface and nonlocal effects under closed circuit electric field. <i>Materials Research Express</i> , 2018, 5, 025008.	0.8	11
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1714	Wave propagation analysis of magnetostrictive sandwich composite nanoplates via nonlocal strain gradient theory. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 4180-4192.	1.1	18
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1781	Vibration analysis of piezoelectrically actuated curved nanosize FG beams via a nonlocal strain-electric field gradient theory. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 350-359.	1.5	39
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1784	Analysis of nonlocal nonlinear behavior of graphene sheet circular nanoplate actuators subject to uniform hydrostatic pressure. <i>Microsystem Technologies</i> , 2018, 24, 919-928.	1.2	5
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1798	Vibration analysis of parabolic shear-deformable piezoelectrically actuated nanoscale beams incorporating thermal effects. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 917-929.	1.5	10
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1802	Wave propagation analysis of size-dependent rotating inhomogeneous nanobeams based on nonlocal elasticity theory. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 3809-3818.	1.5	30
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1810	Free vibration characteristics of nanoscaled beams based on nonlocal integral elasticity theory. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 3974-3988.	1.5	16
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1817	Size-dependent electro-elastic analysis of a sandwich microbeam based on higher-order sinusoidal shear deformation theory and strain gradient theory. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 1394-1406.	1.4	38
1818	Effects of neutral surface deviation on nonlinear resonance of embedded temperature-dependent functionally graded nanobeams. <i>Composite Structures</i> , 2018, 184, 969-979.	3.1	14
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1820	A novel mixed nonlocal elasticity theory for thermoelastic vibration of nanoplates. <i>Composite Structures</i> , 2018, 185, 821-833.	3.1	31
1821	Forced vibration of porous functionally graded nanoplates under uniform dynamic load using general nonlocal stress-strain gradient theory. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4700-4715.	1.5	11
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1823	Statics and dynamics of nanorods embedded in an elastic medium: Nonlocal elasticity and lattice formulations. <i>European Journal of Mechanics, A/Solids</i> , 2018, 67, 254-271.	2.1	29
1824	Vibration analysis of nonlocal strain gradient embedded single-layer graphene sheets under nonuniform in-plane loads. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4751-4763.	1.5	14
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1827	Size-dependent nonlinear vibration of beam-type porous materials with an initial geometrical curvature. <i>Composite Structures</i> , 2018, 184, 1177-1188.	3.1	94
1828	Closed-form solutions in stress-driven two-phase integral elasticity for bending of functionally graded nano-beams. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 97, 13-30.	1.3	93
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1835	The effect of bi-axial in-plane loads on the natural frequency of nano-plates. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4513-4528.	1.5	2
1836	Nonlocal piezo-hygrothermal analysis for vibration characteristics of a piezoelectric Kelvin-Voigt viscoelastic nanoplate embedded in a viscoelastic medium. <i>Acta Mechanica</i> , 2018, 229, 3-19.	1.1	57
1837	Damping vibration behavior of visco-elastically coupled double-layered graphene sheets based on nonlocal strain gradient theory. <i>Microsystem Technologies</i> , 2018, 24, 1643-1658.	1.2	12
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1997	Exact solutions for forced vibration of completely free orthotropic rectangular nanoplates resting on viscoelastic foundation. <i>European Journal of Mechanics, A/Solids</i> , 2019, 73, 22-33.	2.1	15
1998	Dynamic pull-in of thermal cantilever nanoswitches subjected to dispersion and axial forces using nonlocal elasticity theory. <i>Microsystem Technologies</i> , 2019, 25, 19-30.	1.2	17
1999	Thermo-mechanical wave dispersion analysis of nonlocal strain gradient single-layered graphene sheet rested on elastic medium. <i>Microsystem Technologies</i> , 2019, 25, 587-597.	1.2	5
2000	A nonlocal strain gradient theory for dynamic modeling of a rotary thermo piezo electrically actuated nano FG circular plate. <i>Mechanical Systems and Signal Processing</i> , 2019, 115, 323-337.	4.4	47
2001	A mechanism-based spatiotemporal non-local constitutive formulation for elastodynamics of composites. <i>Mechanics of Materials</i> , 2019, 128, 105-116.	1.7	15
2002	Analytical solution for strain gradient elastic Kirchhoff rectangular plates under transverse static loading. <i>European Journal of Mechanics, A/Solids</i> , 2019, 73, 101-111.	2.1	30
2003	A Variational Formulation to Find Finite Element Bending, Buckling and Vibration Equations of Nonlocal Timoshenko Beams. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 493-502.	0.8	7
2004	Dynamic modeling of embedded nanoplate systems incorporating flexoelectricity and surface effects. <i>Microsystem Technologies</i> , 2019, 25, 175-187.	1.2	22
2005	Frequency Domain Analysis of Nano-Objects Subject to Periodic External Excitation. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 559-565.	0.8	2
2006	Thermal Buckling of Carbon Nanocones Based on the Nonlocal Shell Model. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 723-732.	0.8	5
2007	Composite dynamic models for periodically heterogeneous media. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 2663-2693.	1.5	4
2008	Constitutive relations and formulation of theories incorporating material microstructure. , 2019, , 331-379.		1
2009	Viscoelastic free vibration behavior of nano-scaled beams via finite element nonlocal integral elasticity approach. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 445-459.	1.5	23
2010	Investigating Instability Regions of Harmonically Loaded Refined Shear Deformable Inhomogeneous Nanoplates. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 393-404.	0.8	1
2011	Nonlinear performance analysis of forced carbon nanotube-based bio-mass sensors. <i>International Journal of Mechanics and Materials in Design</i> , 2019, 15, 291-315.	1.7	16
2012	Nonlocal second-order strain gradient elasticity model and its application in wave propagating in carbon nanotubes. <i>Microsystem Technologies</i> , 2019, 25, 2215-2227.	1.2	8
2013	Nonlinear forced vibration analysis of higher order shear-deformable functionally graded microbeam resting on nonlinear elastic foundation based on modified couple stress theory. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019, 233, 1773-1790.	0.7	12
2014	Mass detection in nanobeams from bending resonant frequency shifts. <i>Mechanical Systems and Signal Processing</i> , 2019, 116, 261-276.	4.4	29



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2017	Static analysis of functionally graded anisotropic nanoplates using nonlocal strain gradient theory. <i>Composite Structures</i> , 2019, 227, 111249.	3.1	52
2018	Hygrothermal free vibration of multiple magneto-electro-elastic nanoplate system via higher-order nonlocal strain gradient theory. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	9
2019	Nonlinear vibration analysis of graphene sheets resting on Winkler–Pasternak elastic foundation using an atomistic-continuum multiscale model. <i>Acta Mechanica</i> , 2019, 230, 4157-4174.	1.1	7
2020	Thermal Effect on Vibration Responses of Double-Layered Graphene Sheet–Based Nanomechanical Resonators Based on Galerkin Strip Transfer Function Method. <i>Brazilian Journal of Physics</i> , 2019, 49, 667-677.	0.7	4
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2022	Buckling analysis of porous FGM sandwich nanoplates due to heat conduction via nonlocal strain gradient theory. <i>Engineering Research Express</i> , 2019, 1, 015022.	0.8	26
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2025	The inconsistency of nonlocal effect on carbon nanotube conveying fluid and a proposed solution based on local/nonlocal model. <i>European Journal of Mechanics, A/Solids</i> , 2019, 78, 103837.	2.1	7
2026	Nonlinear vibration of different types of functionally graded nanotubes using nonlocal strain gradient theory. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	10
2027	Nonlocal buckling analysis of laminated composite plates considering surface stress effects. <i>Composite Structures</i> , 2019, 226, 111216.	3.1	36
2028	Nonlinear vibration of magneto-electro-elastic nanoscale shells embedded in elastic media in thermoelectromagnetic fields. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2331-2347.	1.4	5
2029	Nonlinear bandgap properties in a nonlocal piezoelectric phononic crystal nanobeam. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 3101-3107.	0.9	16
2030	Flexural wave propagation analysis of single-walled carbon nanotubes using molecular structural mechanics approach. <i>Materials Research Express</i> , 2019, 6, 095048.	0.8	1
2031	Dynamic stability of viscoelastic porous FG nanoplate under longitudinal magnetic field via a nonlocal strain gradient quasi-3D theory. <i>Composites Part B: Engineering</i> , 2019, 175, 107164.	5.9	52
2032	Nonlinear Thermo-Electro-Mechanical Vibration of Functionally Graded Piezoelectric Nanoshells on Winkler–Pasternak Foundations Via Nonlocal Donnell’s Nonlinear Shell Theory. <i>International Journal of Structural Stability and Dynamics</i> , 2019, 19, 1950100.	1.5	19

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2034	Elastic guided waves in fully-clamped functionally graded carbon nanotube-reinforced composite plates. <i>Materials Research Express</i> , 2019, 6, 0950a9.	0.8	20
2035	Local and nonlocal buckling of Mooney-Rivlin rods. <i>European Journal of Mechanics, A/Solids</i> , 2019, 78, 103816.	2.1	4
2036	Investigation of thermal and magnetic field effects on the dynamic instability of FG Timoshenko nanobeam employing nonlocal strain gradient theory. <i>International Journal of Mechanical Sciences</i> , 2019, 161-162, 105043.	3.6	30
2037	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.	3.6	4
2038	Vibration suppression of a boron nitride nanotube under a moving nanoparticle using a classical optimal control procedure. <i>Continuum Mechanics and Thermodynamics</i> , 2019, 31, 1825-1842.	1.4	8
2039	Nonlocal Buckling Analysis of Composite Curved Beams Reinforced with Functionally Graded Carbon Nanotubes. <i>Molecules</i> , 2019, 24, 2750.	1.7	41
2040	Investigation of viscous fluid flow and dynamic stability of CNTs subjected to axial harmonic load coupled using Bolotin's method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 30, 3435-3462.	1.6	2
2041	Wave propagation in magneto-porosity FG bi-layer nanoplates based on a novel quasi-3D refined plate theory. <i>Waves in Random and Complex Media</i> , 2021, 31, 921-941.	1.6	30
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2046	Solving Post-Buckling Characteristic of Thermal-Resistance Films Attached to Glass Façade via an Optimization Method. <i>International Journal of Structural Stability and Dynamics</i> , 2019, 19, 1950068.	1.5	5
2047	A Novel Refined Plate Theory for Free Vibration Analyses of Single-Layered Graphene Sheets Lying on Winkler-Pasternak Elastic Foundations. <i>Journal of Nano Research</i> , 2019, 58, 151-164.	0.8	6
2048	Large elastic deformation of micromorphic shells. Part I: Variational formulation. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 3920-3956.	1.5	11
2049	On thermal snap-buckling of FG curved nanobeams. <i>Materials Research Express</i> , 2019, 6, 115008.	0.8	22
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2054	Interaction of a straight screw dislocation with a circular cylindrical inhomogeneity in the context of second strain gradient theory of elasticity. <i>Mechanics of Materials</i> , 2019, 139, 103208.	1.7	7
2055	Mechanical deformations of carbon nanorings: a study by molecular dynamics and nonlocal continuum mechanics. <i>Meccanica</i> , 2019, 54, 2281-2293.	1.2	3
2056	Hygrothermal effects on static stability of embedded single-layer graphene sheets based on nonlocal strain gradient elasticity theory. <i>Journal of Thermal Stresses</i> , 2019, 42, 1535-1550.	1.1	8
2057	On the dynamics of small-sized structures. <i>International Journal of Engineering Science</i> , 2019, 145, 103164.	2.7	25
2058	A well-posed Euler-Bernoulli beam model incorporating nonlocality and surface energy effect. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019, 40, 1561-1588.	1.9	44
2059	Nonlinear forced vibrations of sandwich smart nanobeams with two-phase piezo-magnetic face sheets. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	17
2060	Size-dependent random vibration analysis of AFM probe with tip mass considering surface viscoelastic effect. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	5
2061	Nonlocal heat conduction in suspended graphene. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 126017.	0.9	6
2062	A modulus gradient model for inhomogeneous materials with isotropic linear elastic constituents. <i>European Journal of Mechanics, A/Solids</i> , 2019, 78, 103846.	2.1	0
2064	Nonlinear Forced Vibration of Thermally Postbuckled Double-Layered Triangular Graphene Sheet with Clamped Boundary Conditions. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2021, 45, 581-595.	0.8	1
2067	Identification of general added mass distribution in nanorods from two-spectra finite data. <i>Mechanical Systems and Signal Processing</i> , 2019, 134, 106286.	4.4	6
2068	Magneto-mechanical stability of axially functionally graded supported nanotubes. <i>Materials Research Express</i> , 2019, 6, 1250c5.	0.8	30
2069	On nonlocal mechanics of curved elastic beams. <i>International Journal of Engineering Science</i> , 2019, 144, 103140.	2.7	53
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2071	DQEM analysis of free transverse vibration of rotating non-uniform nanobeams in the presence of cracks based on the nonlocal Timoshenko beam theory. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	1

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2074	Nonlocal Effect on the Pull-in Instability Analysis of Graphene Sheet Nanobeam Actuator. <i>Journal of Mechanics</i> , 2019, 35, 767-778.	0.7	8
2076	Impact Behaviors of Cantilevered Nano-beams Based on the Nonlocal Theory. <i>Journal of Vibration Engineering and Technologies</i> , 2019, 7, 533-542.	1.3	6
2077	Mono-scale and multi-scale formulations of gradient-enriched dynamic piezomagnetism. <i>Wave Motion</i> , 2019, 91, 102402.	1.0	2
2078	The Flexoelectric Effect of Nanobeam Based on a Reformulated Strain Gradient Elasticity. , 2019, , .		0
2079	A FINITE-ELEMENT METHOD OF FLEXOELECTRIC EFFECTS ON NANOSCALE BEAM. <i>International Journal for Multiscale Computational Engineering</i> , 2019, 17, 29-43.	0.8	1
2080	Nonlinear Analysis for Bending, Buckling and Post-buckling of Nano-Beams with Nonlocal and Surface Energy Effects. <i>International Journal of Structural Stability and Dynamics</i> , 2019, 19, 1950130.	1.5	20
2081	On using mesh-based and mesh-free methods in problems defined by Eringen's non-local integral model: issues and remedies. <i>Meccanica</i> , 2019, 54, 1801-1822.	1.2	9
2082	Impact Dynamics of Single-Layered Graphene Sheets in Multibody Framework Using Nonlocal-Based-ANCF Modeling. <i>International Journal of Structural Stability and Dynamics</i> , 2019, 19, 1950099.	1.5	0
2083	Nonlinear vibrations of single- and double-walled carbon nanotubes resting on two-parameter foundation in a magneto-thermal environment. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	2
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2085	Frank network of dislocations within Mindlin's second strain gradient theory of elasticity. <i>International Journal of Mechanical Sciences</i> , 2019, 164, 105150.	3.6	4
2086	Size-dependent vibration in two-directional functionally graded porous nanobeams under hygro-thermo-mechanical loading. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	17
2087	Fracture test of nanocomposite ceramics under ultrasonic vibration based on nonlocal theory. <i>Ceramics International</i> , 2019, 45, 20945-20953.	2.3	7
2088	Three-dimensional buckling of embedded multilayered magneto-electroelastic nanoplates/graphene sheets with nonlocal effect. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2870-2893.	1.4	12
2089	Stability and Nonlinear Vibration Analysis of an Axially Loaded Nanobeam Based on Nonlocal Strain Gradient Theory. <i>International Journal of Applied Mechanics</i> , 2019, 11, 1950069.	1.3	26
2090	Nonlinear free vibration of functionally graded viscoelastic piezoelectric doubly curved nanoshells with surface effects. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	14

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2092	Parametric Excitation of Pre-Stressed Graphene Sheets under Magnetic Field: Nonlinear Vibration and Dynamic Instability. <i>International Journal of Structural Stability and Dynamics</i> , 2019, 19, 1950135.	1.5	7
2093	Thermal dynamic buckling of temperature-dependent sandwich nanocomposite quadrilateral microplates using visco-higher order nonlocal strain gradient theory. <i>Journal of Thermal Stresses</i> , 2019, 42, 506-525.	1.1	5
2094	Love waves in a nonlocal elastic media with voids. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 1470-1483.	1.5	25
2095	Vibration of nonlocal strain gradient beams incorporating Poisson's ratio and thickness effects. <i>Thin-Walled Structures</i> , 2019, 137, 377-391.	2.7	74
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2098	Size-dependent vibration analysis of carbon nanotubes. <i>Journal of Materials Research</i> , 2019, 34, 2148-2160.	1.2	1
2099	Effect of nonlocal thermoelasticity on buckling of axially functionally graded nanobeams. <i>Journal of Thermal Stresses</i> , 2019, 42, 526-539.	1.1	17
2100	On a family of numerical models for couple stress based flexoelectricity for continua and beams. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 125, 613-652.	2.3	23
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2103	Scattering of a plane wave by shallow buried cylindrical lining in a poroelastic half-space. <i>Applied Mathematical Modelling</i> , 2019, 70, 171-189.	2.2	14
2104	Analytical treatment of nonlocal vibration of multilayer functionally graded piezoelectric nanoscale shells incorporating thermal and electrical effect. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	13
2105	Nonlinear free vibration of geometrically imperfect functionally graded sandwich nanobeams based on nonlocal strain gradient theory. <i>Composite Structures</i> , 2019, 214, 47-61.	3.1	74
2106	Transverse vibration analysis of a single-walled carbon nanotube under a random load action. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 109, 242-247.	1.3	7
2107	On the local and non-local plate models of single layer graphene. <i>International Journal of Solids and Structures</i> , 2019, 166, 57-67.	1.3	4
2108	On the piezopotential properties of two-dimensional materials. <i>Nano Energy</i> , 2019, 58, 568-578.	8.2	37

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2110	Dispersion curves, mode shapes, stresses and energies of SH and Lamb waves in layered elastic nanoplates with surface/interface effect. <i>International Journal of Engineering Science</i> , 2019, 142, 170-184.	2.7	31
2111	On dynamic instability of magnetically embedded viscoelastic porous FG nanobeam. <i>International Journal of Engineering Science</i> , 2019, 143, 14-32.	2.7	200
2112	Dynamical behavior of nanobeam embedded in constant, linear, parabolic, and sinusoidal types of Winkler elastic foundation using first-Order nonlocal strain gradient model. <i>Materials Research Express</i> , 2019, 6, 0850f2.	0.8	26
2113	Nonlinear vibration and instability of functionally graded nanopipes with initial imperfection conveying fluid. <i>Applied Mathematical Modelling</i> , 2019, 76, 133-150.	2.2	42
2114	Stability of Timoshenko beams with frequency and initial stress dependent nonlocal parameters. <i>Archives of Civil and Mechanical Engineering</i> , 2019, 19, 1116-1126.	1.9	12
2115	A simple gradient model for zonal disintegration of the surrounding rock around a deep circular tunnel. <i>Tunnelling and Underground Space Technology</i> , 2019, 91, 103006.	3.0	12
2116	On the dynamics of porous doubly-curved nanoshells. <i>International Journal of Engineering Science</i> , 2019, 143, 39-55.	2.7	56
2117	Variational nonlocal gradient elasticity for nano-beams. <i>International Journal of Engineering Science</i> , 2019, 143, 73-91.	2.7	84
2118	Transient responses of nanosandwich structure based on size-dependent generalized thermoelastic diffusion theory. <i>Journal of Thermal Stresses</i> , 2019, 42, 1171-1191.	1.1	15
2119	Free-field response of a transversely isotropic saturated half-space subjected to incident plane $qP_1$ - and $qSV$ -waves. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 125, 105702.	1.9	3
2120	Size-dependent thermo-electromechanical responses analysis of multi-layered piezoelectric nanoplates for vibration control. <i>Composite Structures</i> , 2019, 225, 111112.	3.1	47
2121	New observations on transverse dynamics of microtubules based on nonlocal strain gradient theory. <i>Composite Structures</i> , 2019, 225, 111036.	3.1	24
2122	Theoretical analysis for static bending of circular Euler-Bernoulli beam using local and Eringen's nonlocal integral mixed model. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2019, 99, e201800329.	0.9	31
2123	Parametric excitation of Euler-Bernoulli nanobeams under thermo-magneto-mechanical loads: Nonlinear vibration and dynamic instability. <i>Composites Part B: Engineering</i> , 2019, 173, 106928.	5.9	22
2124	Rate of surface energy changes on the wave propagation analysis of METE nanoplates based on couple stress small-scale and nonlocal strain gradient theories. <i>Materials Research Express</i> , 2019, 6, 085087.	0.8	9
2125	Solution for cross- and angle-ply laminated Kirchhoff nano plates in bending using strain gradient theory. <i>Composites Part B: Engineering</i> , 2019, 173, 107006.	5.9	36
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2130	Buckling and post-buckling responses of smart doubly curved composite shallow shells embedded in SMA fiber under hygro-thermal loading. <i>Composite Structures</i> , 2019, 223, 110988.	3.1	61
2131	Isogeometric analysis of in-plane functionally graded porous microplates using modified couple stress theory. <i>Aerospace Science and Technology</i> , 2019, 91, 508-524.	2.5	58
2132	Thermomechanical vibration of bi-directional functionally graded non-uniform timoshenko nanobeam using nonlocal elasticity theory. <i>Composites Part B: Engineering</i> , 2019, 172, 724-742.	5.9	39
2133	Nonlinear forced vibration of graphene/piezoelectric sandwich nanoplates subjected to a mechanical shock. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 956-987.	2.0	16
2134	Buckling and Free Vibrations of Nanoplates – Comparison of Nonlocal Strain and Stress Approaches. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1409.	1.3	12
2135	Nonlinear free vibration of nanobeams based on nonlocal strain gradient theory with the consideration of thickness-dependent size effect. <i>Journal of Mechanics of Materials and Structures</i> , 2019, 14, 119-137.	0.4	29
2136	Analytical solutions for buckling of size-dependent Timoshenko beams. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019, 40, 953-976.	1.9	12
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2139	Bifurcation analysis of the rotating axially compressed nano-rod with imperfections. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2019, 99, e201800284.	0.9	1
2140	Stability analysis of cantilever carbon nanotubes subjected to partially distributed tangential force and viscoelastic foundation. <i>Applied Mathematical Modelling</i> , 2019, 73, 190-209.	2.2	25
2141	Buckling analyses of three characteristic-lengths featured size-dependent gradient-beam with variational consistent higher order boundary conditions. <i>Applied Mathematical Modelling</i> , 2019, 74, 1-20.	2.2	22
2142	Analytical modeling for vibrating piezoelectric nanoplates in interaction with inviscid fluid using various modified plate theories. <i>Ocean Engineering</i> , 2019, 181, 267-280.	1.9	22
2143	Size-Dependent elastic response in functionally graded microbeams considering generalized first strain gradient elasticity. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2019, 72, 273-304.	0.5	3
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2146	Nonlocal FEM Formulation for Vibration Analysis of Nanowires on Elastic Matrix with Different Materials. <i>Mathematical and Computational Applications</i> , 2019, 24, 38.	0.7	17
2147	Flutter and Divergence Instability of Axially-Moving Nanoplates Resting on a Viscoelastic Foundation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1097.	1.3	3
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2446	Nonlocal strain gradient finite element analysis of nanobeams using two-variable trigonometric shear deformation theory. <i>Engineering With Computers</i> , 2022, 38, 647-665.	3.5	8
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2463	Postbuckling Analysis of a Nonlocal Nanorod Under Self-Weight. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050035.	1.3	3
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2485	Critical Buckling Load of Triple-Walled Carbon Nanotube Based on Nonlocal Elasticity Theory. <i>Journal of Nano Research</i> , 0, 62, 108-119.	0.8	15
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2498	Nonlocal nonlinear vibration of an embedded carbon nanotube conveying viscous fluid by introducing a modified variational iteration method. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	10
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2585	Free vibration analysis of rotating nano-beams for flap-wise, chord-wise and axial modes based on Eringen's nonlocal theory. <i>International Journal of Mechanical Sciences</i> , 2020, 179, 105655.	3.6	17
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2753	Nonlocal effect on the frequency analysis of chiral single-walled carbon nanotubes using wave propagation approach. Micro and Nano Letters, 2021, 16, 469-477.	0.6	2
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2756	Free vibration and buckling stability of FG nanobeams exposed to magnetic and thermal fields. Engineering With Computers, 2022, 38, 3463-3482.	3.5	36
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2760	Dynamics of Space-Fractional Euler-Bernoulli and Timoshenko Beams. Materials, 2021, 14, 1817.	1.3	5
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2764	A nonlinear geometric couple stress based strain gradient Kirchhoff-Love shell formulation for microscale thin-wall structures. <i>International Journal of Mechanical Sciences</i> , 2021, 196, 106272.	3.6	14
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2883	Two-phase nonlocal integral models with a bi-Helmholtz averaging kernel for nanorods. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 1379-1396.	1.9	10
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2890	Closed-form solutions for free vibration of rectangular nonlocal Mindlin plates with arbitrary homogeneous boundary conditions. <i>Composites Part C: Open Access</i> , 2021, 6, 100193.	1.5	3
2891	Nonlocal vibration analysis of spinning nanotubes conveying fluid in complex environments. <i>Waves in Random and Complex Media</i> , 0, , 1-33.	1.6	6
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