

Xian-Fang Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

236
papers

4,855
citations

36
h-index

56
g-index

247
ext. papers

5,323
ext. citations

3
avg, IF

6.45
L-index

#	Paper	IF	Citations
236	Flamant problem of a cubic quasicrystal half-plane. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2022 , 73, 1	1.6	0
235	Effect of surface elasticity on transient elastic field around a mode-III crack-tip under impact loads. <i>Engineering Fracture Mechanics</i> , 2021 , 258, 108062	4.2	1
234	Synergistic effect of memory-size-microstructure on thermoelastic damping of a micro-plate. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 181, 122031	4.9	0
233	Antiplane shear crack in a functionally graded material strip with surface elasticity. <i>Archive of Applied Mechanics</i> , 2021 , 91, 3035-3052	2.2	0
232	Singular elastic field induced by a rigid line inclusion in a thin nanoplate with surface elasticity. <i>International Journal of Mechanical Sciences</i> , 2021 , 198, 106386	5.5	10
231	Effect of warping shape on buckling of circular and rectangular columns under axial compression. <i>Applied Mathematical Modelling</i> , 2021 , 89, 1475-1490	4.5	3
230	Free vibration of radially graded hollow cylinders subject to axial force via a higher-order shear deformation beam theory. <i>Composite Structures</i> , 2021 , 255, 112957	5.3	4
229	Transient response of the hygro-thermo-elastic field in hollow cylinders under heat-moisture shock via hyperbolic non-Fourier heat conduction and non-Fick diffusion. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021 , 235, 2795-2809	1.3	
228	Bending fracture of ultra-thin plates with surface elasticity containing a thickness-through crack. <i>International Journal of Solids and Structures</i> , 2021 , 226-227, 111093	3.1	2
227	Axisymmetric bending and vibration of circular nanoplates with surface stresses. <i>Thin-Walled Structures</i> , 2021 , 166, 108086	4.7	1
226	Hygrothermoelastic damping of beam resonators with non-Fourier and non-Fick effects. <i>Thin-Walled Structures</i> , 2021 , 168, 108283	4.7	2
225	Flexoelectric effects on the natural frequencies for free vibration of piezoelectric nanoplates. <i>Journal of Applied Physics</i> , 2021 , 129, 034102	2.5	6
224	Cracked elastic layer with surface elasticity under antiplane shear loading. <i>Acta Mechanica</i> , 2020 , 231, 3085-3098	2.1	2
223	Stability of cantilever on elastic foundation under a subtangential follower force via shear deformation beam theories. <i>Thin-Walled Structures</i> , 2020 , 154, 106853	4.7	7
222	Transient response of hygrothermoelastic field in an elastic plate with an edge crack. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2020 , 100, e202000005	1	
221	Third-order shear deformation beam model for flexural waves and free vibration of pipes. <i>Journal of the Acoustical Society of America</i> , 2020 , 147, 1634	2.2	5
220	Full incremental elastic field induced by a mode-I crack in a prestressed orthotropic material. <i>Engineering Fracture Mechanics</i> , 2020 , 235, 107070	4.2	2

219	Exact solution of the nonlinear fin problem with exponentially temperature-dependent thermal conductivity and heat transfer coefficient 2020 , 94, 1		7
218	Generalization of Plane Stress and Plane Strain States to Elastic Plates of Finite Thickness. <i>Journal of Elasticity</i> , 2020 , 140, 243-256	1.5	2
217	A refined beam theory for bending and vibration of functionally graded tube-beams. <i>Composite Structures</i> , 2020 , 236, 111878	5.3	7
216	Trapped modes in an infinite tube with inhomogeneity. <i>Modern Physics Letters B</i> , 2020 , 34, 2050060	1.6	
215	Exact and approximate solutions of convective-radiative fins with temperature-dependent thermal conductivity using integral equation method. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 150, 119303	4.9	11
214	Smooth interface crack between two bonded dissimilar orthotropic elastic media under shear loading. <i>European Journal of Mechanics, A/Solids</i> , 2020 , 81, 103935	3.7	0
213	Nanoscale mode-III interface crack in a bimaterial with surface elasticity. <i>Mechanics of Materials</i> , 2020 , 140, 103246	3.3	10
212	Elasticity solution of functionally graded beams with consideration of the flexoelectric effect. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 105301	3	5
211	Exact solution of a nonlinear fin problem of temperature-dependent thermal conductivity and heat transfer coefficient. <i>Canadian Journal of Physics</i> , 2020 , 98, 700-712	1.1	8
210	Effect of the gradient on the deflection of functionally graded microcantilever beams with surface stress. <i>Acta Mechanica</i> , 2020 , 231, 4185-4198	2.1	4
209	Temperature distribution of conductive-convective-radiative fins with temperature-dependent thermal conductivity. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 117, 104799	5.8	4
208	Transient hygrothermoelastic response in a porous cylinder subjected to ramp-type heat-moisture loading. <i>Journal of Thermal Stresses</i> , 2019 , 42, 1499-1514	2.2	6
207	Transient thermoelastic response in a cracked strip of functionally graded materials via generalized fractional heat conduction. <i>Applied Mathematical Modelling</i> , 2019 , 70, 328-349	4.5	19
206	Initial value method for free vibration of axially loaded functionally graded Timoshenko beams with nonuniform cross section. <i>Mechanics Based Design of Structures and Machines</i> , 2019 , 47, 102-120	1.7	22
205	Bending and free vibration of a circular magneto-electroelastic plate with surface effects. <i>International Journal of Mechanical Sciences</i> , 2019 , 157-158, 858-871	5.5	16
204	Fracture analysis of an infinite 1D hexagonal piezoelectric quasicrystal plate with a penny-shaped dielectric crack. <i>European Journal of Mechanics, A/Solids</i> , 2019 , 76, 224-234	3.7	10
203	Effect of surface elasticity on stress intensity factors near mode-III crack tips. <i>Journal of Mechanics of Materials and Structures</i> , 2019 , 14, 43-60	1.2	9
202	Generalized Fractional Heat Conduction in a One-Dimensional Functionally Graded Material Layer. <i>Journal of Thermophysics and Heat Transfer</i> , 2019 , 33, 946-956	1.3	4

201	Non-Fourier fractional heat conduction in two bonded dissimilar materials with a penny-shaped interface crack. <i>International Journal of Thermal Sciences</i> , 2019 , 140, 319-328	4.1	4
200	Transient response of a functionally graded thermoelastic plate with a crack via fractional heat conduction. <i>Theoretical and Applied Fracture Mechanics</i> , 2019 , 104, 102318	3.7	4
199	Nonclassical axisymmetric bending of circular Mindlin plates with radial force. <i>Meccanica</i> , 2019 , 54, 1623-1645	3	3
198	Exact solution of buckling load of axially exponentially graded columns and its approximation. <i>Mechanics Research Communications</i> , 2019 , 101, 103414	2.2	6
197	A Yoffe-type moving crack in one-dimensional hexagonal piezoelectric quasicrystals. <i>Applied Mathematical Modelling</i> , 2019 , 65, 148-163	4.5	18
196	Flutter and vibration of elastically restrained nanowires under a nonconservative force. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2019 , 99, e201700325	1	2
195	Hygrothermoelastic response of a hollow cylinder based on a coupled time-fractional heat and moisture transfer model. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2019 , 70, 1	1.6	7
194	Interfacial debonding of an orthotropic half-plane bonded to a rigid foundation. <i>International Journal of Solids and Structures</i> , 2019 , 161, 1-10	3.1	1
193	Exact solution of two collinear cracks normal to the boundaries of a 1D layered hexagonal piezoelectric quasicrystal. <i>Philosophical Magazine</i> , 2018 , 98, 1780-1798	1.6	10
192	Effect of the Casimir Force on Buckling of a Double-Nanowire System with Surface Effects. <i>International Journal of Structural Stability and Dynamics</i> , 2018 , 18, 1850118	1.9	4
191	Size-dependent resonance frequencies of cantilevered and bridged nanosensors. <i>Modern Physics Letters B</i> , 2018 , 32, 1850095	1.6	3
190	Surface effects on delamination of a thin film bonded to an elastic substrate. <i>International Journal of Fracture</i> , 2018 , 210, 81-94	2.3	12
189	Surface effect on dynamic stability of microcantilevers on an elastic foundation under a subtangential follower force. <i>International Journal of Mechanics and Materials in Design</i> , 2018 , 14, 91-104	2.5	7
188	Asymmetric trapped modes in a tube waveguide with a bulge. <i>Acta Mechanica</i> , 2018 , 229, 1123-1136	2.1	3
187	Bending of circular nanoplates with consideration of surface effects. <i>Meccanica</i> , 2018 , 53, 985-999	2.1	12
186	A rigid line inclusion in an elastic film with surface elasticity. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2018 , 69, 1	1.6	15
185	Crack in an elastic thin-film with surface effect. <i>International Journal of Engineering Science</i> , 2018 , 123, 158-173	5.7	16
184	Two collinear mode-III cracks in one-dimensional hexagonal piezoelectric quasicrystal strip. <i>Engineering Fracture Mechanics</i> , 2018 , 189, 133-147	4.2	18

183	Effects of Engesser's and Haringx's Hypotheses on Buckling of Timoshenko and Higher-Order Shear-Deformable Columns. <i>Journal of Engineering Mechanics - ASCE</i> , 2018 , 144, 04017150	2.4	11
182	Effects of the Casimir Force and Surface Elasticity on the Natural Frequencies of Cantilever AFM Probes. <i>Acta Acustica United With Acustica</i> , 2018 , 104, 87-93	1.5	1
181	Time-Fractional Hygrothermoelastic Problem for a Sphere Subjected to Heat and Moisture Flux. <i>Journal of Heat Transfer</i> , 2018 , 140,	1.8	8
180	Elasto-hydrodynamics of quasicrystals with a crack under sudden impacts. <i>Philosophical Magazine Letters</i> , 2018 , 98, 419-436	1	4
179	Thermal shock fracture of an elastic half-space with a subsurface penny-shaped crack via fractional thermoelasticity. <i>Acta Mechanica</i> , 2018 , 229, 4875-4893	2.1	11
178	Flutter and divergence instability of rectangular plates under nonconservative forces considering surface elasticity. <i>International Journal of Mechanical Sciences</i> , 2018 , 149, 254-261	5.5	12
177	Bending of piezoelectric beams with the flexoelectric effect under applied load at any position. <i>Modern Physics Letters B</i> , 2018 , 32, 1850372	1.6	5
176	Elasticity solution of the bending of beams with the flexoelectric and piezoelectric effects. <i>Smart Materials and Structures</i> , 2018 , 27, 105023	3.4	10
175	Transient hygrothermoelastic response in a cylinder considering non-Fourier hyperbolic heat-moisture coupling. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 126, 1094-1103	4.9	17
174	Free and forced transverse vibration of nanowires with surface effects. <i>JVC/Journal of Vibration and Control</i> , 2017 , 23, 2064-2077	2	18
173	Size-dependent resonance frequencies of longitudinal vibration of a nonlocal Love nanobar with a tip nanoparticle. <i>Mathematics and Mechanics of Solids</i> , 2017 , 22, 1529-1542	2.3	15
172	Mechanical performance of piezoelectric fiber composites and electroelastic field concentration near the electrode edges. <i>Materials and Design</i> , 2017 , 128, 71-79	8.1	4
171	Reply to Comments on Large deflection and rotation of Timoshenko beams with frictional end supports under three-point bending [C. R. Mecanique 345 (2017), doi:10.1016/j.crme.2017.01.004]. <i>Comptes Rendus - Mecanique</i> , 2017 , 345, 298-300	2.1	
170	Thermal shock fracture of a cracked thermoelastic plate based on time-fractional heat conduction. <i>Engineering Fracture Mechanics</i> , 2017 , 171, 22-34	4.2	22
169	Axial wave propagation and vibration of nonlocal nanorods with radial deformation and inertia. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2017 , 97, 602-616	1	28
168	Transient thermal stress intensity factors for a circumferential crack in a hollow cylinder based on generalized fractional heat conduction. <i>International Journal of Thermal Sciences</i> , 2017 , 121, 336-347	4.1	37
167	Transient response of a hygrothermoelastic cylinder based on fractional diffusion wave theory. <i>Journal of Thermal Stresses</i> , 2017 , 40, 1575-1594	2.2	15
166	Buckling of Standing Tapered Timoshenko Columns with Varying Flexural Rigidity Under Combined Loadings. <i>International Journal of Structural Stability and Dynamics</i> , 2016 , 16, 1550017	1.9	8

165	Frequency equation and resonant frequencies of free-free Timoshenko beams with unequal end masses. <i>International Journal of Mechanical Sciences</i> , 2016 , 115-116, 406-415	5.5	12
164	Effect of radial reaction force on the bending of circular plates resting on a ring support. <i>International Journal of Mechanical Sciences</i> , 2016 , 119, 197-207	5.5	5
163	Large deflection and rotation of Timoshenko beams with frictional end supports under three-point bending. <i>Comptes Rendus - Mecanique</i> , 2016 , 344, 556-568	2.1	15
162	Fracture of a thin power-law nonlinear material with a crack using the DCB model. <i>International Journal of Fracture</i> , 2016 , 201, 119-125	2.3	3
161	Resonant frequency and flutter instability of a nanocantilever with the surface effects. <i>Composite Structures</i> , 2016 , 153, 645-653	5.3	15
160	Trapped modes in an infinite or semi-infinite tube with a local enlargement. <i>Ultrasonics</i> , 2016 , 71, 59-68	3.5	3
159	Bending of a rectangular plate with rotationally restrained edges under a concentrated force. <i>Applied Mathematics and Computation</i> , 2016 , 286, 265-278	2.7	4
158	Effect of heat conduction of penny-shaped crack interior on thermal stress intensity factors. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 91, 127-134	4.9	21
157	Axisymmetric problems of a penny-shaped crack at the interface of a bi-material under shear and compression. <i>International Journal of Solids and Structures</i> , 2015 , 69-70, 403-414	3.1	9
156	Stress intensity factors for an external circular crack at the interface of a bi-material in shear-compression. <i>International Journal of Solids and Structures</i> , 2015 , 64-65, 221-231	3.1	7
155	Interface crack embedded in a bi-material plane under shear and compression. <i>Mechanics of Materials</i> , 2015 , 85, 80-93	3.3	14
154	Effect of an elastic substrate on buckling of free-standing nanocolumns. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2015 , 95, 396-405	1	4
153	Effects of nonhomogeneity on singular electroelastic field near electrodes for a functionally graded piezoelectric material. <i>European Journal of Mechanics, A/Solids</i> , 2015 , 51, 21-28	3.7	10
152	Transverse vibration of free-free beams carrying two unequal end masses. <i>International Journal of Mechanical Sciences</i> , 2015 , 90, 251-257	5.5	13
151	Resonance frequency and mass identification of zeptogram-scale nanosensor based on the nonlocal beam theory. <i>Ultrasonics</i> , 2015 , 55, 75-84	3.5	46
150	Flapwise bending vibration of rotating tapered Rayleigh cantilever beams. <i>Journal of Constructional Steel Research</i> , 2015 , 112, 1-9	3.8	26
149	Effect of horizontal reaction force on the deflection of short simply supported beams under transverse loadings. <i>International Journal of Mechanical Sciences</i> , 2015 , 99, 121-129	5.5	14
148	Effect of initial T-stress on stress intensity factor for a crack in a thin pre-stressed layer. <i>Engineering Fracture Mechanics</i> , 2015 , 150, 19-27	4.2	2

147	Double cantilever beam model for functionally graded materials based on two-dimensional theory of elasticity. <i>Engineering Fracture Mechanics</i> , 2015 , 135, 232-244	4.2	5
146	Two-dimensional elasticity solution of elastic strips and beams made of functionally graded materials under tension and bending. <i>Acta Mechanica</i> , 2015 , 226, 2235-2253	2.1	26
145	Effect of scale parameter on the deflection of a nonlocal beam and application to energy release rate of a crack. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2015 , 95, 1428-1438	1	15
144	Dependence of Young's modulus of nanowires on surface effect. <i>International Journal of Mechanical Sciences</i> , 2014 , 81, 120-125	5.5	37
143	Effect of T-stress on branch angle of moving cracks. <i>Mechanics Research Communications</i> , 2014 , 56, 26-30.	2	3
142	Exact frequency equations of free vibration of exponentially non-uniform functionally graded Timoshenko beams. <i>International Journal of Mechanical Sciences</i> , 2014 , 89, 1-11	5.5	73
141	The stress field and energy of screw dislocation in smectic A liquid crystals and the mistakes of the classical solution. <i>Chinese Physics B</i> , 2014 , 23, 046102	1.2	5
140	Elasticity and dislocations in quasicrystals with 18-fold symmetry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 2810-2814	2.3	6
139	Stress field around a strike-slip fault in orthotropic elastic layers via a hypersingular integral equation. <i>Computers and Mathematics With Applications</i> , 2013 , 66, 2317-2326	2.7	17
138	Free vibration of standing and hanging gravity-loaded Rayleigh cantilevers. <i>International Journal of Mechanical Sciences</i> , 2013 , 66, 233-238	5.5	21
137	Buckling load and critical length of nanowires on an elastic substrate. <i>Comptes Rendus - Mecanique</i> , 2013 , 341, 636-645	2.1	3
136	Higher-order theory for bending and vibration of beams with circular cross section. <i>Journal of Engineering Mathematics</i> , 2013 , 80, 91-104	1.2	18
135	Analytical closed-form solutions for size-dependent static pull-in behavior in electrostatic micro-actuators via Fredholm integral equation. <i>Sensors and Actuators A: Physical</i> , 2013 , 190, 32-43	3.9	67
134	Stress intensity factors of double cantilever nanobeams via gradient elasticity theory. <i>Engineering Fracture Mechanics</i> , 2013 , 105, 58-64	4.2	19
133	Stability and vibration analysis of axially-loaded shear beam-columns carrying elastically restrained mass. <i>Applied Mathematical Modelling</i> , 2013 , 37, 8237-8250	4.5	10
132	Transverse waves propagating in carbon nanotubes via a higher-order nonlocal beam model. <i>Composite Structures</i> , 2013 , 95, 328-336	5.3	36
131	Exact frequency equations of free vibration of exponentially functionally graded beams. <i>Applied Acoustics</i> , 2013 , 74, 413-420	3.1	98
130	Flexural waves in multi-walled carbon nanotubes using gradient elasticity beam theory. <i>Computational Materials Science</i> , 2013 , 67, 188-195	3.2	32

129	Effect of surface stress on stress intensity factors of a nanoscale crack via double cantilever beam model. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 477-82	1.3	15
128	Elastohydrodynamic problems in quasicrystal elasticity theory and wave propagation. <i>Philosophical Magazine</i> , 2013 , 93, 1500-1519	1.6	14
127	Elastic analysis of rotating functionally graded polar orthotropic disks. <i>International Journal of Mechanical Sciences</i> , 2012 , 60, 84-91	5.5	42
126	Kink angle and fracture load for an angled crack subjected to far-field compressive loading. <i>Engineering Fracture Mechanics</i> , 2012 , 82, 172-184	4.2	19
125	Bending wave propagation of carbon nanotubes in a bi-parameter elastic matrix. <i>Physica B: Condensed Matter</i> , 2012 , 407, 684-688	2.8	16
124	Nonlocal Timoshenko beam theory for vibration of carbon nanotube-based biosensor. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1169-1175	3	53
123	Transverse vibration of nanotube-based micro-mass sensor via nonlocal Timoshenko beam theory. <i>Computational Materials Science</i> , 2012 , 53, 340-346	3.2	56
122	Vibration of double-walled carbon nanotube based nanomechanical sensor with initial axial stress. <i>Computational Materials Science</i> , 2012 , 58, 51-58	3.2	36
121	A note on stress intensity factors for a crack emanating from a sharp V-notch. <i>Engineering Fracture Mechanics</i> , 2012 , 90, 180-187	4.2	7
120	Flexural waves of carbon nanotubes based on generalized gradient elasticity. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 50-57	1.3	21
119	Vibration of nonclassical shear beams with Winkler-Pasternak-type restraint. <i>Acta Mechanica</i> , 2012 , 223, 953-966	2.1	10
118	Effects of gradient on stress distribution in rotating functionally graded solid disks. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 1483-1492	1.6	22
117	AN ANALYTIC APPROACH FOR EXACTLY DETERMINING CRITICAL LOADS OF BUCKLING OF NONUNIFORM COLUMNS. <i>International Journal of Structural Stability and Dynamics</i> , 2012 , 12, 1250027	1.9	11
116	Buckling Analysis of Nonuniform and Axially Graded Columns with Varying Flexural Rigidity. <i>Journal of Engineering Mechanics - ASCE</i> , 2011 , 137, 73-81	2.4	62
115	Interfacial waves in dissimilar piezoelectric cubic crystals with an imperfect bonding. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011 , 58, 1261-5	3.2	7
114	Size effect in transverse mechanical behavior of one-dimensional nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011 , 44, 207-214	3	10
113	Analysis of complete plasticity assumption for solid circular shaft under pure torsion and calculation of shear stress. <i>Central South University</i> , 2011 , 18, 1018-1023		
112	Bending Vibration of Rotating Tapered Cantilevers by Integral Equation Method. <i>AIAA Journal</i> , 2011 , 49, 872-876	2.1	8

111	A general solution of elasto-hydrodynamics of two-dimensional quasicrystals. <i>Philosophical Magazine Letters</i> , 2011 , 91, 313-320	1	19
110	Approximate solution of fractional integro-differential equations by Taylor expansion method. <i>Computers and Mathematics With Applications</i> , 2011 , 62, 1127-1134	2.7	58
109	Stability analysis of composite columns and parameter optimization against buckling. <i>Composites Part B: Engineering</i> , 2011 , 42, 1337-1345	10	24
108	Free vibration of shear beams with finite rotational inertia. <i>Journal of Constructional Steel Research</i> , 2011 , 67, 1677-1683	3.8	20
107	Vibration of Double-Walled Carbon Nanotube-Based Mass Sensor via Nonlocal Timoshenko Beam Theory. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2011 , 2,		12
106	Transient Response of Temperature and Thermal Stresses in a Functionally Graded Hollow Cylinder. <i>Journal of Thermal Stresses</i> , 2010 , 33, 485-500	2.2	16
105	The static response of functionally graded radially polarized piezoelectric spherical shells as sensors and actuators. <i>Smart Materials and Structures</i> , 2010 , 19, 035010	3.4	11
104	Large Deflections of a Non-linear Cantilever Functionally Graded Beam. <i>Journal of Reinforced Plastics and Composites</i> , 2010 , 29, 1761-1774	2.9	45
103	Diffraction of SH-waves by an Interfacial Crack Between a Magnetoelastoelectric Solid and an Elastic Material. <i>Mechanics of Advanced Materials and Structures</i> , 2010 , 17, 134-144	1.8	5
102	Critical load for buckling of non-prismatic columns under self-weight and tip force. <i>Mechanics Research Communications</i> , 2010 , 37, 554-558	2.2	35
101	A higher-order theory for static and dynamic analyses of functionally graded beams. <i>Archive of Applied Mechanics</i> , 2010 , 80, 1197-1212	2.2	76
100	A new approach for free vibration of axially functionally graded beams with non-uniform cross-section. <i>Journal of Sound and Vibration</i> , 2010 , 329, 2291-2303	3.9	247
99	Buckling of functionally graded circular columns including shear deformation. <i>Materials & Design</i> , 2010 , 31, 3159-3166		48
98	Bending and vibration of circular cylindrical beams with arbitrary radial nonhomogeneity. <i>International Journal of Mechanical Sciences</i> , 2010 , 52, 595-601	5.5	58
97	Radially polarized functionally graded piezoelectric hollow cylinders as sensors and actuators. <i>European Journal of Mechanics, A/Solids</i> , 2010 , 29, 704-713	3.7	28
96	Thermal stress in rotating functionally graded hollow circular disks. <i>Composite Structures</i> , 2010 , 92, 1896-1904	5.9	67
95	Pressurized Hollow Spherical Vessels with Arbitrary Radial Nonhomogeneity. <i>AIAA Journal</i> , 2009 , 47, 2262-2266	2.1	19
94	Size effects of the bending stiffness of nanowires. <i>Journal of Applied Physics</i> , 2009 , 105, 074306	2.5	42

93	Magnetoelastic field induced by a crack terminating at the interface of a bi-magnetoelastic material. <i>Philosophical Magazine</i> , 2009 , 89, 449-463	1.6	13
92	Transient response of the crack-tip field in a magnetoelastic half-space with a functionally graded coating under impacts. <i>Archive of Applied Mechanics</i> , 2009 , 79, 1099-1113	2.2	15
91	Interface crack problem of functionally graded piezoelectric materials: effects of the position of electromechanical impact and gradient. <i>Acta Mechanica</i> , 2009 , 207, 69-82	2.1	5
90	Thermoelastic analysis of functionally graded annulus with arbitrary gradient. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2009 , 30, 1211-1220	3.2	23
89	A Pressurized Functionally Graded Hollow Cylinder with Arbitrarily Varying Material Properties. <i>Journal of Elasticity</i> , 2009 , 96, 81-95	1.5	61
88	Effects of T-stresses on fracture initiation for a closed crack in compression with frictional crack faces. <i>International Journal of Fracture</i> , 2009 , 160, 19-30	2.3	26
87	Closed-form solution for an orthotropic elastic strip with a crack perpendicular to the edges under arbitrary anti-plane shear. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2009 , 89, 370-382	2.1	28
86	Bending of functionally graded cantilever beam with power-law non-linearity subjected to an end force. <i>International Journal of Non-Linear Mechanics</i> , 2009 , 44, 696-703	2.8	75
85	Analysis of a mode-I crack perpendicular to an imperfect interface. <i>International Journal of Solids and Structures</i> , 2009 , 46, 1456-1463	3.1	23
84	Transient response of a magnetoelastic solid with two collinear dielectric cracks under impacts. <i>International Journal of Solids and Structures</i> , 2009 , 46, 2950-2958	3.1	48
83	Interfacial shear horizontal (SH) waves propagating in a two-phase piezoelectric/piezomagnetic structure with an imperfect interface. <i>Philosophical Magazine Letters</i> , 2009 , 89, 95-103	1	54
82	Transient response of a cracked magnetoelastic material under the action of in-plane sudden impacts. <i>Computational Materials Science</i> , 2009 , 45, 905-911	3.2	21
81	Approximate solution of a system of linear integral equations by the Taylor expansion method. <i>International Journal of Computer Mathematics</i> , 2009 , 86, 924-937	1.2	3
80	Vibrational modes of Timoshenko beams at small scales. <i>Applied Physics Letters</i> , 2009 , 94, 101903	3.4	67
79	ENERGY RELEASE RATE OF INTERFACE DELAMINATION BETWEEN A THIN COATING AND AN ELASTIC SUBSTRATE. <i>International Journal of Modern Physics B</i> , 2008 , 22, 407-416	1.1	1
78	Effects of a surrounding elastic medium on flexural waves propagating in carbon nanotubes via nonlocal elasticity. <i>Journal of Applied Physics</i> , 2008 , 103, 074309	2.5	41
77	Theoretical analysis of surface stress for a microcantilever with varying widths. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 065301	3	13
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