

# X-L Gao

## List of Publications by Year in descending order

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146  
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147  
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147  
times ranked

3640  
citing authors

#	ARTICLE	IF	CITATIONS
1	Band gaps in a periodic electro-elastic composite beam structure incorporating microstructure and flexoelectric effects. <i>Archive of Applied Mechanics</i> , 2023, 93, 245-260.	1.2	15
2	A microstructure-dependent Kirchhoff plate model based on a reformulated strain gradient elasticity theory. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 2521-2530.	1.5	9
3	Critical velocities and displacements of anisotropic tubes under a moving pressure. <i>Mathematics and Mechanics of Solids</i> , 2022, 27, 2662-2688.	1.5	3
4	A non-classical couple stress based Mindlin plate finite element framework for tuning band gaps of periodic composite micro plates. <i>Journal of Sound and Vibration</i> , 2022, 529, 116889.	2.1	8
5	Ballistic helmets: Recent advances in materials, protection mechanisms, performance, and head injury mitigation. <i>Composites Part B: Engineering</i> , 2022, 238, 109890.	5.9	30
6	A new model for thermal buckling of an anisotropic elastic composite beam incorporating piezoelectric, flexoelectric and semiconducting effects. <i>Acta Mechanica</i> , 2022, 233, 1719-1738.	1.1	15
7	Global and local flexotronic effects induced by external magnetic fields in warping of a semiconducting composite fiber. <i>Composite Structures</i> , 2022, 295, 115711.	3.1	9
8	Two versions of the extended Hill's lemma for non-Cauchy continua based on the couple stress theory. <i>Mathematics and Mechanics of Solids</i> , 2021, 26, 244-262.	1.5	7
9	Topology and Shape Optimization of 2-D and 3-D Micro-Architected Thermoelastic Metamaterials Using a Parametric Level Set Method. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021, 127, 819-854.	0.8	3
10	A non-classical model for first-order shear deformation circular cylindrical thin shells incorporating microstructure and surface energy effects. <i>Mathematics and Mechanics of Solids</i> , 2021, 26, 1294-1319.	1.5	14
11	A non-classical model for circular cylindrical thin shells incorporating microstructure and surface energy effects. <i>Acta Mechanica</i> , 2021, 232, 2225-2248.	1.1	17
12	A non-classical theory of elastic dielectrics incorporating couple stress and quadrupole effects: part I – reconsideration of curvature-based flexoelectricity theory. <i>Mathematics and Mechanics of Solids</i> , 2021, 26, 1647-1659.	1.5	30
13	A strain energy-based homogenization method for 2-D and 3-D cellular materials using the micropolar elasticity theory. <i>Composite Structures</i> , 2021, 265, 113594.	3.1	12
14	Band gaps for elastic flexural wave propagation in periodic composite plate structures with star-shaped, transversely isotropic, magneto-electro-elastic inclusions. <i>Acta Mechanica</i> , 2021, 232, 4325-4346.	1.1	10
15	A non-classical Bernoulli-Euler beam model based on a simplified micromorphic elasticity theory. <i>Mechanics of Materials</i> , 2021, 161, 103967.	1.7	11
16	A Generalized Strain Energy-Based Homogenization Method for 2-D and 3-D Cellular Materials with and without Periodicity Constraints. <i>Symmetry</i> , 2021, 13, 1870.	1.1	1
17	A new constitutive model for ballistic Roma Plastilina no. 1 clay. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 2027-2034.	1.5	6
18	Band gaps for wave propagation in 2-D periodic three-phase composites with coated star-shaped inclusions and an orthotropic matrix. <i>Composites Part B: Engineering</i> , 2020, 182, 107319.	5.9	35

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19	Extended Hill's lemma for non-Cauchy continua based on a modified couple stress theory. <i>Acta Mechanica</i> , 2020, 231, 977-997.	1.1	10
20	A new Bernoulli-Euler beam model based on a reformulated strain gradient elasticity theory. <i>Mathematics and Mechanics of Solids</i> , 2020, 25, 630-643.	1.5	35
21	A microstructure-dependent anisotropic magneto-electro-elastic Mindlin plate model based on an extended modified couple stress theory. <i>Acta Mechanica</i> , 2020, 231, 4323-4350.	1.1	35
22	Shear-lag model for discontinuous fiber-reinforced composites with a membrane-type imperfect interface. <i>Acta Mechanica</i> , 2020, 231, 4717-4734.	1.1	1
23	Modeling of deformations of Roma Plastilina # 1 clay in column-drop tests by incorporating the coupled strain rate and temperature effects. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 1154-1166.	1.5	9
24	A transversely isotropic magneto-electro-elastic Timoshenko beam model incorporating microstructure and foundation effects. <i>Mechanics of Materials</i> , 2020, 149, 103412.	1.7	60
25	Topology optimization of 2-D mechanical metamaterials using a parametric level set method combined with a meshfree algorithm. <i>Composite Structures</i> , 2019, 229, 111318.	3.1	18
26	Elastic wave propagation in a periodic composite plate structure: band gaps incorporating microstructure, surface energy and foundation effects. <i>Journal of Mechanics of Materials and Structures</i> , 2019, 14, 219-236.	0.4	19
27	Constitutive modeling of viscoelastic fiber-reinforced composites at finite deformations. <i>Mechanics of Materials</i> , 2019, 131, 102-112.	1.7	9
28	Band gaps for flexural elastic wave propagation in periodic composite plate structures based on a non-classical Mindlin plate model incorporating microstructure and surface energy effects. <i>Continuum Mechanics and Thermodynamics</i> , 2019, 31, 1911-1930.	1.4	11
29	Constitutive Equations for Hyperelastic Materials Based on the Upper Triangular Decomposition of the Deformation Gradient. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 1785-1799.	1.5	4
30	A non-classical Kirchhoff rod model based on the modified couple stress theory. <i>Acta Mechanica</i> , 2019, 230, 243-264.	1.1	18
31	Two new penetration models for ballistic clay incorporating strain-hardening, strain-rate and temperature effects. <i>International Journal of Mechanical Sciences</i> , 2019, 151, 582-594.	3.6	16
32	Modeling of head injuries induced by golf ball impacts. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1751-1763.	1.5	3
33	Evaluation of effective elastic properties of 3D printable interpenetrating phase composites using the meshfree radial point interpolation method. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 1241-1251.	1.5	17
34	The upper triangular decomposition of the deformation gradient: possible decompositions of the distortion tensor. <i>Acta Mechanica</i> , 2018, 229, 1927-1948.	1.1	3
35	Three-dimensional metamaterials with a negative Poisson's ratio and a non-positive coefficient of thermal expansion. <i>International Journal of Mechanical Sciences</i> , 2018, 135, 101-113.	3.6	110
36	Band gaps for elastic wave propagation in a periodic composite beam structure incorporating microstructure and surface energy effects. <i>Composite Structures</i> , 2018, 189, 263-272.	3.1	44

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37	Elastic wave propagation in a periodic composite beam structure: A new model for band gaps incorporating surface energy, transverse shear and rotational inertia effects. <i>Journal of Micromechanics and Molecular Physics</i> , 2018, 03, 1840005.	0.7	13
38	An analytical model for star-shaped re-entrant lattice structures with the orthotropic symmetry and negative Poisson's ratios. <i>International Journal of Mechanical Sciences</i> , 2018, 145, 158-170.	3.6	82
39	Band gaps for wave propagation in 2-D periodic composite structures incorporating microstructure effects. <i>Acta Mechanica</i> , 2018, 229, 4199-4214.	1.1	38
40	Elastic wave propagation in 3-D periodic composites: Band gaps incorporating microstructure effects. <i>Composite Structures</i> , 2018, 204, 920-932.	3.1	31
41	Analytical models for the impact of a solid sphere on a fluid-filled spherical shell incorporating the stress wave propagation effect and their applications to blunt head impacts. <i>International Journal of Mechanical Sciences</i> , 2017, 130, 586-595.	3.6	5
42	A Non-Classical Model for Circular Mindlin Plates Incorporating Microstructure and Surface Energy Effects. <i>Procedia IUTAM</i> , 2017, 21, 48-55.	1.2	4
43	A non-classical model for an orthotropic Kirchhoff plate embedded in a viscoelastic medium. <i>Acta Mechanica</i> , 2017, 228, 3811-3825.	1.1	28
44	Autofrettage and shakedown analyses of an internally pressurized thick-walled spherical shell based on two strain gradient plasticity solutions. <i>Acta Mechanica</i> , 2017, 228, 89-105.	1.1	13
45	Metamaterials with negative Poisson's ratio and non-positive thermal expansion. <i>Composite Structures</i> , 2017, 162, 70-84.	3.1	154
46	A Micromechanics Model for Electrical Conductivity of Three-Dimensional Open-Cell Metallic Foams. , 2017, , .		0
47	Micromechanical modeling of 3D printable interpenetrating phase composites with tailorable effective elastic properties including negative Poisson's ratio. <i>Journal of Micromechanics and Molecular Physics</i> , 2017, 02, 1750015.	0.7	35
48	A transversely isotropic visco-hyperelastic constitutive model for soft tissues. <i>Mathematics and Mechanics of Solids</i> , 2016, 21, 747-770.	1.5	26
49	Fatigue of Coiled Tubing and its Influencing Factors: A Comparative Study. , 2016, , .		0
50	Effects of Stress Level and Stress State on Creep Ductility: Evaluation of Different Models. <i>Journal of Materials Science and Technology</i> , 2016, 32, 695-704.	5.6	73
51	A non-classical Mindlin plate model incorporating microstructure, surface energy and foundation effects. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160275.	1.0	21
52	Extended Hill's lemma for non-Cauchy continua based on the simplified strain gradient elasticity theory. <i>Journal of Micromechanics and Molecular Physics</i> , 2016, 01, 1640004.	0.7	7
53	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
54	Behind helmet blunt trauma induced by ballistic impact: A computational model. <i>International Journal of Impact Engineering</i> , 2016, 91, 56-67.	2.4	44

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55	Modeling of Advanced Combat Helmet Under Ballistic Impact. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2015, 82, .	1.1	44
56	Autofrettage and Shakedown Analyses of an Internally Pressurized Thick-Walled Cylinder Based on Strain Gradient Plasticity Solutions. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2015, 82, .	1.1	15
57	An analytical study on peeling of an adhesively bonded joint based on a viscoelastic Bernoulli-Euler beam model. <i>Acta Mechanica</i> , 2015, 226, 3059-3067.	1.1	3
58	A non-classical model for circular Kirchhoff plates incorporating microstructure and surface energy effects. <i>Acta Mechanica</i> , 2015, 226, 4073-4085.	1.1	34
59	A microstructure- and surface energy-dependent third-order shear deformation beam model. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 1871-1894.	0.7	53
60	A new Timoshenko beam model incorporating microstructure and surface energy effects. <i>Acta Mechanica</i> , 2015, 226, 457-474.	1.1	84
61	Solutions of the generalized half-plane and half-space Cerruti problems with surface effects. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 1125-1142.	0.7	13
62	A Nonclassical Model for Circular Mindlin Plates Based on a Modified Couple Stress Theory. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014, 81, .	1.1	33
63	A predictive study of effective properties and progressive failure of tri-axially woven SiCf-SiC composites. <i>International Journal of Automotive Composites</i> , 2014, 1, 39.	0.1	0
64	A new Bernoulli-Euler beam model incorporating microstructure and surface energy effects. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2014, 65, 393-404.	0.7	95
65	Analytical model for adhesively bonded composite panel-flange joints based on the Timoshenko beam theory. <i>Composite Structures</i> , 2014, 107, 112-118.	3.1	16
66	Solution of the Contact Problem of a Rigid Conical Frustum Indenting a Transversely Isotropic Elastic Half-Space. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014, 81, .	1.1	12
67	A new homogenization method based on a simplified strain gradient elasticity theory. <i>Acta Mechanica</i> , 2014, 225, 1075-1091.	1.1	40
68	Solution of the Eshelby-type anti-plane strain polygonal inclusion problem based on a simplified strain gradient elasticity theory. <i>Acta Mechanica</i> , 2014, 225, 809-823.	1.1	7
69	Size-dependent bending analysis of Kirchhoff nano-plates based on a modified couple-stress theory including surface effects. <i>International Journal of Mechanical Sciences</i> , 2014, 79, 31-37.	3.6	146
70	New model for creep damage analysis and its application to creep crack growth simulations. <i>Materials Science and Technology</i> , 2014, 30, 32-37.	0.8	24
71	Strain gradient solution for a finite-domain Eshelby-type anti-plane strain inclusion problem. <i>International Journal of Solids and Structures</i> , 2013, 50, 3793-3804.	1.3	10
72	Creep of a Twaron®/Natural Rubber Composite. <i>Mechanics of Advanced Materials and Structures</i> , 2013, 20, 464-477.	1.5	6

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73	Strain gradient solution for the Eshelby-type polygonal inclusion problem. International Journal of Solids and Structures, 2013, 50, 328-338.	1.3	20
74	Ballistic helmets – Their design, materials, and performance against traumatic brain injury. Composite Structures, 2013, 101, 313-331.	3.1	130
75	Solutions of half-space and half-plane contact problems based on surface elasticity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2013, 64, 145-166.	0.7	66
76	An Analytical Study on Peeling of an Adhesively Bonded Joint Based on the Timoshenko Beam Theory. Mechanics of Advanced Materials and Structures, 2013, 20, 454-463.	1.5	4
77	Simulations of creep crack growth in 316 stainless steel using a novel creep-damage model. Engineering Fracture Mechanics, 2013, 98, 169-184.	2.0	85
78	Strain gradient solutions of half-space and half-plane contact problems. Zeitschrift Fur Angewandte Mathematik Und Physik, 2013, 64, 1363-1386.	0.7	33
79	Stress Analysis and Structural Optimization of a Three-Layer Composite Cladding Tube Under Thermo-Mechanical Loads. Journal of Engineering Materials and Technology, Transactions of the ASME, 2012, 134, .	0.8	6
80	Mechanics of Heterogeneous Solids and Composite Materials. Journal of Engineering Materials and Technology, Transactions of the ASME, 2012, 134, .	0.8	0
81	Ballistic Helmets: Their Design, Materials, and Performance Against Traumatic Brain Injury. , 2012, , .		0
82	Strain gradient solution for the Eshelby-type polyhedral inclusion problem. Journal of the Mechanics and Physics of Solids, 2012, 60, 261-276.	2.3	31
83	Micromechanical Modeling of Three-dimensional Open-cell Foams. , 2012, , 213-258.		1
84	Preparation, Characterization, and Modeling of Carbon Nanofiber/Epoxy Nanocomposites. Journal of Nanomaterials, 2011, 2011, 1-8.	1.5	23
85	Strain gradient solution for a finite-domain Eshelby-type plane strain inclusion problem and Eshelby's tensor for a cylindrical inclusion in a finite elastic matrix. International Journal of Solids and Structures, 2011, 48, 44-55.	1.3	30
86	A unified treatment of axisymmetric adhesive contact problems using the harmonic potential function method. Journal of the Mechanics and Physics of Solids, 2011, 59, 145-159.	2.3	24
87	Stress Relaxation of a Twaron®/Natural Rubber Composite. Journal of Engineering Materials and Technology, Transactions of the ASME, 2011, 133, .	0.8	10
88	Strain gradient solution for Eshelby's ellipsoidal inclusion problem. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 2425-2446.	1.0	46
89	Solution of Eshelby's inclusion problem with a bounded domain and Eshelby's tensor for a spherical inclusion in a finite spherical matrix based on a simplified strain gradient elasticity theory. Journal of the Mechanics and Physics of Solids, 2010, 58, 779-797.	2.3	72
90	Monte Carlo modeling of the fiber curliness effect on percolation of conductive composites. Applied Physics Letters, 2010, 96, .	1.5	29

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91	Constitutive Behavior of a Twaron®/Natural Rubber Composite. <i>Mechanics of Advanced Materials and Structures</i> , 2010, 17, 246-259.	1.5	6
92	Creep Behavior of a Twaron®/Natural Rubber Composite. , 2010, , .		0
93	A Nonclassical Reddy-Levinson Beam Model Based on a Modified Couple Stress Theory. <i>International Journal for Multiscale Computational Engineering</i> , 2010, 8, 167-180.	0.8	154
94	Preface to Special Issue on Nonlinear Behaviors of Materials. <i>Mechanics of Advanced Materials and Structures</i> , 2009, 16, 503-503.	1.5	0
95	Molecular Dynamics Study on Mechanical Properties and Interfacial Morphology of an Aluminum Matrix Nanocomposite Reinforced by <math>SiC</math>-Silicon Carbide Nanoparticles. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009, 6, 61-72.	0.4	15
96	Green's function and Eshelby's tensor based on a simplified strain gradient elasticity theory. <i>Acta Mechanica</i> , 2009, 207, 163-181.	1.1	50
97	Analytical Solution for a Pressurized Thick-Walled Spherical Shell Based on a Simplified Strain Gradient Elasticity Theory. <i>Mathematics and Mechanics of Solids</i> , 2009, 14, 747-758.	1.5	40
98	Ballistic Resistant Body Armor: Contemporary and Prospective Materials and Related Protection Mechanisms. <i>Applied Mechanics Reviews</i> , 2009, 62, .	4.5	142
99	Modeling of Electrical Conductivity of Nickel Nanostrand Filled Polymer Matrix Composites. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009, 6, 494-504.	0.4	6
100	Modeling of Viscoelastic Behavior of Ballistic Fabrics at Low and High Strain Rates. <i>International Journal for Multiscale Computational Engineering</i> , 2009, 7, 295-308.	0.8	7
101	Variational formulation of a modified couple stress theory and its application to a simple shear problem. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2008, 59, 904-917.	0.7	214
102	A three-dimensional Monte Carlo model for electrically conductive polymer matrix composites filled with curved fibers. <i>Polymer</i> , 2008, 49, 4230-4238.	1.8	92
103	A microstructure-dependent Timoshenko beam model based on a modified couple stress theory. <i>Journal of the Mechanics and Physics of Solids</i> , 2008, 56, 3379-3391.	2.3	979
104	Micromechanical Modeling of Honeycomb Structures Based on a Modified Couple Stress Theory. <i>Mechanics of Advanced Materials and Structures</i> , 2008, 15, 574-593.	1.5	27
105	Three-Parameter Viscoelasticity Models for Ballistic Fabrics. , 2008, , .		3
106	Analytical Solution for the Stress Field around a Hard Spherical Particle in a Metal Matrix Composite Incorporating Size and Finite Volume Effects. <i>Mathematics and Mechanics of Solids</i> , 2008, 13, 357-372.	1.5	8
107	PREFACE to Scale Effects in Mechanics Special Issue. <i>Mathematics and Mechanics of Solids</i> , 2008, 13, 197-198.	1.5	0
108	Preface: Special Issue on "Micro- and Nanomechanics". <i>Mechanics of Advanced Materials and Structures</i> , 2008, 15, 549-549.	1.5	0

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109	Dynamic crushing behavior of honeycomb structures with irregular cell shapes and non-uniform cell wall thickness. <i>International Journal of Solids and Structures</i> , 2007, 44, 5003-5026.	1.3	136
110	Variational formulation of a simplified strain gradient elasticity theory and its application to a pressurized thick-walled cylinder problem. <i>International Journal of Solids and Structures</i> , 2007, 44, 7486-7499.	1.3	212
111	Dynamic Indentation Response of Fine-Grained Boron Carbide. <i>Journal of the American Ceramic Society</i> , 2007, 90, 1850-1857.	1.9	108
112	Bernoulli-Euler beam model based on a modified couple stress theory. <i>Journal of Micromechanics and Microengineering</i> , 2006, 16, 2355-2359.	1.5	953
113	A New Bernoulli-Euler Beam Model Based on a Modified Couple Stress Theory. , 2006, , 1.		5
114	Micromechanical Modeling of Viscoelastic Properties of Carbon Nanotube-Reinforced Polymer Composites. <i>Mechanics of Advanced Materials and Structures</i> , 2006, 13, 317-328.	1.5	78
115	New expanding cavity model for indentation hardness including strain-hardening and indentation size effects. <i>Journal of Materials Research</i> , 2006, 21, 1317-1326.	1.2	23
116	Two new expanding cavity models for indentation deformations of elastic strain-hardening materials. <i>International Journal of Solids and Structures</i> , 2006, 43, 2193-2208.	1.3	143
117	An expanding cavity model incorporating strain-hardening and indentation size effects. <i>International Journal of Solids and Structures</i> , 2006, 43, 6615-6629.	1.3	78
118	Effects of cell shape and strut cross-sectional area variations on the elastic properties of three-dimensional open-cell foams. <i>Journal of the Mechanics and Physics of Solids</i> , 2006, 54, 783-806.	2.3	135
119	Quasistatic and high strain rate uniaxial compressive response of polymeric structural foams. <i>International Journal of Impact Engineering</i> , 2006, 32, 1113-1126.	2.4	91
120	Anisotropic grain growth with pore drag under applied loads. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 412, 271-278.	2.6	8
121	Effects of cell shape and cell wall thickness variations on the elastic properties of two-dimensional cellular solids. <i>International Journal of Solids and Structures</i> , 2005, 42, 1777-1795.	1.3	160
122	A shear-lag model for carbon nanotube-reinforced polymer composites. <i>International Journal of Solids and Structures</i> , 2005, 42, 1649-1667.	1.3	227
123	Micromechanical modeling of three-dimensional open-cell foams using the matrix method for spatial frames. <i>Composites Part B: Engineering</i> , 2005, 36, 249-262.	5.9	36
124	A Parametric Study on Crushability of Open-Cell Structural Polymeric Foams. <i>Journal of Porous Materials</i> , 2005, 12, 233-248.	1.3	35
125	Analysis of the Linearly Viscoelastic Behavior of Nanotube-Reinforced Polymer Composites. , 2004, , 63.		0
126	On the complex variable displacement method in plane isotropic elasticity. <i>Mechanics Research Communications</i> , 2004, 31, 169-173.	1.0	1



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127	Negative strain rate sensitivity and compositional dependence of fracture strength in Zr/Hf based bulk metallic glasses. <i>Scripta Materialia</i> , 2003, 49, 1087-1092.	2.6	89
128	Finite deformation continuum model for single-walled carbon nanotubes. <i>International Journal of Solids and Structures</i> , 2003, 40, 7329-7337.	1.3	35
129	A mechanics-of-materials model for predicting Young's modulus of damaged woven fabric composites involving three damage modes. <i>International Journal of Solids and Structures</i> , 2003, 40, 981-999.	1.3	18
130	Elasto-plastic analysis of an internally pressurized thick-walled cylinder using a strain gradient plasticity theory. <i>International Journal of Solids and Structures</i> , 2003, 40, 6445-6455.	1.3	55
131	Strain gradient plasticity solution for an internally pressurized thick-walled spherical shell of an elastic-plastic material. <i>Mechanics Research Communications</i> , 2003, 30, 411-420.	1.0	41
132	Micromechanics model for three-dimensional open-cell foams using a tetrakaidecahedral unit cell and Castigliano's second theorem. <i>Composites Science and Technology</i> , 2003, 63, 1769-1781.	3.8	107
133	Analytical Solution of a Borehole Problem Using Strain Gradient Plasticity. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2002, 124, 365-370.	0.8	13
134	Modeling of metallic materials at high strain rates with continuum damage mechanics. <i>Applied Mechanics Reviews</i> , 2002, 55, 481-493.	4.5	27
135	Finite element simulation of the orthogonal metal cutting process for qualitative understanding of the effects of crater wear on the chip formation process. <i>Journal of Materials Processing Technology</i> , 2002, 127, 309-324.	3.1	78
136	Damaged mosaic laminate model of woven fabric composites with transverse yarn cracking and interface debonding. <i>Composites Science and Technology</i> , 2002, 62, 1821-1834.	3.8	11
137	Variational solution for a cracked mosaic model of woven fabric composites. <i>International Journal of Solids and Structures</i> , 2001, 38, 855-874.	1.3	62
138	On displacement methods in planar anisotropic elasticity. <i>Mechanics Research Communications</i> , 2000, 27, 553-560.	1.0	2
139	Alternative Derivation of Marguerre's Displacement Solution in Plane Isotropic Elasticity. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2000, 67, 419-421.	1.1	7
140	Analytical solution for the plane strain inclusion problem of an elastic power-law hardening matrix containing an elastic cylindrical inclusion. <i>International Journal of Pressure Vessels and Piping</i> , 1999, 76, 291-297.	1.2	8
141	A general solution of an infinite elastic plate with an elliptic hole under biaxial loading. <i>International Journal of Pressure Vessels and Piping</i> , 1996, 67, 95-104.	1.2	78
142	A mathematical analysis of the elastoplastic anti-plane shear problem of a power-law material and one class of closed-form solutions. <i>International Journal of Solids and Structures</i> , 1996, 33, 2213-2223.	1.3	5
143	An exact elasto-plastic solution for a thick-walled spherical shell of elastic linear-hardening material with finite deformations. <i>International Journal of Pressure Vessels and Piping</i> , 1994, 57, 45-56.	1.2	30
144	An exact elasto-plastic solution for a closed-end thick-walled cylinder of elastic linear-hardening material with large strains. <i>International Journal of Pressure Vessels and Piping</i> , 1993, 56, 331-350.	1.2	22

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145	An exact elasto-plastic solution for an open-ended thick-walled cylinder of a strain-hardening material. International Journal of Pressure Vessels and Piping, 1992, 52, 129-144.	1.2	55
146	A general analytical solution of a strain-hardening elasto-plastic plate containing a circular hole subjected to biaxial loadingâ€”With applications in pressure vessels. International Journal of Pressure Vessels and Piping, 1991, 47, 35-55.	1.2	7