

X-L Gao

List of Publications by Year in descending order

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146
papers

7,456
citations

71102

41
h-index

56724

83
g-index

147
all docs

147
docs citations

147
times ranked

3640
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.8	979
2	Bernoulliâ€Euler beam model based on a modified couple stress theory. <i>Journal of Micromechanics and Microengineering</i> , 2006, 16, 2355-2359.	2.6	953
3	A shear-lag model for carbon nanotube-reinforced polymer composites. <i>International Journal of Solids and Structures</i> , 2005, 42, 1649-1667.	2.7	227
4	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.	1.4	214
5	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.	2.7	212
6	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.	2.7	160
7	Metamaterials with negative Poissonâ€™s ratio and non-positive thermal expansion. <i>Composite Structures</i> , 2017, 162, 70-84.	5.8	154
8	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.	1.2	154
9	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.	6.7	146
10	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.	2.7	143
11	Ballistic Resistant Body Armor: Contemporary and Prospective Materials and Related Protection Mechanisms. <i>Applied Mechanics Reviews</i> , 2009, 62, .	10.1	142
12	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.	2.7	136
13	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.	4.8	135
14	Ballistic helmets â€“ Their design, materials, and performance against traumatic brain injury. <i>Composite Structures</i> , 2013, 101, 313-331.	5.8	130
15	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.	6.7	110
16	Dynamic Indentation Response of Fine-Grained Boron Carbide. <i>Journal of the American Ceramic Society</i> , 2007, 90, 1850-1857.	3.8	108
17	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.	7.8	107
18	A new Bernoulliâ€Euler beam model incorporating microstructure and surface energy effects. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2014, 65, 393-404.	1.4	95

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19	A three-dimensional Monte Carlo model for electrically conductive polymer matrix composites filled with curved fibers. <i>Polymer</i> , 2008, 49, 4230-4238.	3.8	92
20	Quasistatic and high strain rate uniaxial compressive response of polymeric structural foams. <i>International Journal of Impact Engineering</i> , 2006, 32, 1113-1126.	5.0	91
21	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.	5.2	89
22	Simulations of creep crack growth in 316 stainless steel using a novel creep-damage model. <i>Engineering Fracture Mechanics</i> , 2013, 98, 169-184.	4.3	85
23	A new Timoshenko beam model incorporating microstructure and surface energy effects. <i>Acta Mechanica</i> , 2015, 226, 457-474.	2.1	84
24	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.	6.7	82
25	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.	2.6	78
26	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.	6.3	78
27	Micromechanical Modeling of Viscoelastic Properties of Carbon Nanotube-Reinforced Polymer Composites. <i>Mechanics of Advanced Materials and Structures</i> , 2006, 13, 317-328.	2.6	78
28	An expanding cavity model incorporating strain-hardening and indentation size effects. <i>International Journal of Solids and Structures</i> , 2006, 43, 6615-6629.	2.7	78
29	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.	10.7	73
30	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. <i>Journal of the Mechanics and Physics of Solids</i> , 2010, 58, 779-797.	4.8	72
31	Solutions of half-space and half-plane contact problems based on surface elasticity. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2013, 64, 145-166.	1.4	66
32	Variational solution for a cracked mosaic model of woven fabric composites. <i>International Journal of Solids and Structures</i> , 2001, 38, 855-874.	2.7	62
33	A transversely isotropic magneto-electro-elastic Timoshenko beam model incorporating microstructure and foundation effects. <i>Mechanics of Materials</i> , 2020, 149, 103412.	3.2	60
34	An exact elasto-plastic solution for an open-ended thick-walled cylinder of a strain-hardening material. <i>International Journal of Pressure Vessels and Piping</i> , 1992, 52, 129-144.	2.6	55
35	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.	2.7	55
36	A non-classical Kirchhoff plate model incorporating microstructure, surface energy and foundation effects. <i>Continuum Mechanics and Thermodynamics</i> , 2016, 28, 195-213.	2.2	54

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37	A microstructure- and surface energy-dependent third-order shear deformation beam model. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 1871-1894.	1.4	53
38	Green's function and Eshelby's tensor based on a simplified strain gradient elasticity theory. <i>Acta Mechanica</i> , 2009, 207, 163-181.	2.1	50
39	Strain gradient solution for Eshelby's ellipsoidal inclusion problem. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010, 466, 2425-2446.	2.1	46
40	Modeling of Advanced Combat Helmet Under Ballistic Impact. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2015, 82, .	2.2	44
41	Behind helmet blunt trauma induced by ballistic impact: A computational model. <i>International Journal of Impact Engineering</i> , 2016, 91, 56-67.	5.0	44
42	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.	5.8	44
43	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.	1.8	41
44	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.	2.4	40
45	A new homogenization method based on a simplified strain gradient elasticity theory. <i>Acta Mechanica</i> , 2014, 225, 1075-1091.	2.1	40
46	Band gaps for wave propagation in 2-D periodic composite structures incorporating microstructure effects. <i>Acta Mechanica</i> , 2018, 229, 4199-4214.	2.1	38
47	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.	12.0	36
48	Finite deformation continuum model for single-walled carbon nanotubes. <i>International Journal of Solids and Structures</i> , 2003, 40, 7329-7337.	2.7	35
49	A Parametric Study on Crushability of Open-Cell Structural Polymeric Foams. <i>Journal of Porous Materials</i> , 2005, 12, 233-248.	2.6	35
50	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.	1.2	35
51	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.	12.0	35
52	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.	2.4	35
53	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.	2.1	35
54	A non-classical model for circular Kirchhoff plates incorporating microstructure and surface energy effects. <i>Acta Mechanica</i> , 2015, 226, 4073-4085.	2.1	34

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55	Strain gradient solutions of half-space and half-plane contact problems. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2013, 64, 1363-1386.	1.4	33
56	A Nonclassical Model for Circular Mindlin Plates Based on a Modified Couple Stress Theory. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014, 81, .	2.2	33
57	Strain gradient solution for the Eshelby-type polyhedral inclusion problem. <i>Journal of the Mechanics and Physics of Solids</i> , 2012, 60, 261-276.	4.8	31
58	Elastic wave propagation in 3-D periodic composites: Band gaps incorporating microstructure effects. <i>Composite Structures</i> , 2018, 204, 920-932.	5.8	31
59	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.	2.6	30
60	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. <i>International Journal of Solids and Structures</i> , 2011, 48, 44-55.	2.7	30
61	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.	2.4	30
62	Ballistic helmets: Recent advances in materials, protection mechanisms, performance, and head injury mitigation. <i>Composites Part B: Engineering</i> , 2022, 238, 109890.	12.0	30
63	Monte Carlo modeling of the fiber curliness effect on percolation of conductive composites. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	29
64	A non-classical model for an orthotropic Kirchhoff plate embedded in a viscoelastic medium. <i>Acta Mechanica</i> , 2017, 228, 3811-3825.	2.1	28
65	Modeling of metallic materials at high strain rates with continuum damage mechanics. <i>Applied Mechanics Reviews</i> , 2002, 55, 481-493.	10.1	27
66	Micromechanical Modeling of Honeycomb Structures Based on a Modified Couple Stress Theory. <i>Mechanics of Advanced Materials and Structures</i> , 2008, 15, 574-593.	2.6	27
67	A transversely isotropic visco-hyperelastic constitutive model for soft tissues. <i>Mathematics and Mechanics of Solids</i> , 2016, 21, 747-770.	2.4	26
68	A unified treatment of axisymmetric adhesive contact problems using the harmonic potential function method. <i>Journal of the Mechanics and Physics of Solids</i> , 2011, 59, 145-159.	4.8	24
69	New model for creep damage analysis and its application to creep crack growth simulations. <i>Materials Science and Technology</i> , 2014, 30, 32-37.	1.6	24
70	New expanding cavity model for indentation hardness including strain-hardening and indentation size effects. <i>Journal of Materials Research</i> , 2006, 21, 1317-1326.	2.6	23
71	Preparation, Characterization, and Modeling of Carbon Nanofiber/Epoxy Nanocomposites. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-8.	2.7	23
72	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.	2.6	22

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73	A non-classical Mindlin plate model incorporating microstructure, surface energy and foundation effects. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160275.	2.1	21
74	Strain gradient solution for the Eshelby-type polygonal inclusion problem. International Journal of Solids and Structures, 2013, 50, 328-338.	2.7	20
75	Elastic wave propagation in a periodic composite plate structure: band gaps incorporating microstructure, surface energy and foundation effects. Journal of Mechanics of Materials and Structures, 2019, 14, 219-236.	0.6	19
76	A mechanics-of-materials model for predicting Young's modulus of damaged woven fabric composites involving three damage modes. International Journal of Solids and Structures, 2003, 40, 981-999.	2.7	18
77	Topology optimization of 2-D mechanical metamaterials using a parametric level set method combined with a meshfree algorithm. Composite Structures, 2019, 229, 111318.	5.8	18
78	A non-classical Kirchhoff rod model based on the modified couple stress theory. Acta Mechanica, 2019, 230, 243-264.	2.1	18
79	Evaluation of effective elastic properties of 3D printable interpenetrating phase composites using the meshfree radial point interpolation method. Mechanics of Advanced Materials and Structures, 2018, 25, 1241-1251.	2.6	17
80	A non-classical model for circular cylindrical thin shells incorporating microstructure and surface energy effects. Acta Mechanica, 2021, 232, 2225-2248.	2.1	17
81	Analytical model for adhesively bonded composite panel-flange joints based on the Timoshenko beam theory. Composite Structures, 2014, 107, 112-118.	5.8	16
82	Two new penetration models for ballistic clay incorporating strain-hardening, strain-rate and temperature effects. International Journal of Mechanical Sciences, 2019, 151, 582-594.	6.7	16
83	Molecular Dynamics Study on Mechanical Properties and Interfacial Morphology of an Aluminum Matrix Nanocomposite Reinforced by SiC -Silicon Carbide Nanoparticles. Journal of Computational and Theoretical Nanoscience, 2009, 6, 61-72.	0.4	15
84	Autofrettage and Shakedown Analyses of an Internally Pressurized Thick-Walled Cylinder Based on Strain Gradient Plasticity Solutions. Journal of Applied Mechanics, Transactions ASME, 2015, 82, .	2.2	15
85	Band gaps in a periodic electro-elastic composite beam structure incorporating microstructure and flexoelectric effects. Archive of Applied Mechanics, 2023, 93, 245-260.	2.2	15
86	A new model for thermal buckling of an anisotropic elastic composite beam incorporating piezoelectric, flexoelectric and semiconducting effects. Acta Mechanica, 2022, 233, 1719-1738.	2.1	15
87	A non-classical model for first-order shear deformation circular cylindrical thin shells incorporating microstructure and surface energy effects. Mathematics and Mechanics of Solids, 2021, 26, 1294-1319.	2.4	14
88	Analytical Solution of a Borehole Problem Using Strain Gradient Plasticity. Journal of Engineering Materials and Technology, Transactions of the ASME, 2002, 124, 365-370.	1.4	13
89	Solutions of the generalized half-plane and half-space Cerruti problems with surface effects. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 1125-1142.	1.4	13
90	Autofrettage and shakedown analyses of an internally pressurized thick-walled spherical shell based on two strain gradient plasticity solutions. Acta Mechanica, 2017, 228, 89-105.	2.1	13

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91	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.	1.2	13
92	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, .	2.2	12
93	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.	5.8	12
94	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.	7.8	11
95	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.	2.2	11
96	A non-classical Bernoulli-Euler beam model based on a simplified micromorphic elasticity theory. <i>Mechanics of Materials</i> , 2021, 161, 103967.	3.2	11
97	Stress Relaxation of a Twaron®/Natural Rubber Composite. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2011, 133, .	1.4	10
98	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.	2.7	10
99	Extended Hill's lemma for non-Cauchy continua based on a modified couple stress theory. <i>Acta Mechanica</i> , 2020, 231, 977-997.	2.1	10
100	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.	2.1	10
101	Constitutive modeling of viscoelastic fiber-reinforced composites at finite deformations. <i>Mechanics of Materials</i> , 2019, 131, 102-112.	3.2	9
102	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.	2.6	9
103	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.	2.6	9
104	Global and local flexotronic effects induced by external magnetic fields in warping of a semiconducting composite fiber. <i>Composite Structures</i> , 2022, 295, 115711.	5.8	9
105	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.	2.6	8
106	Anisotropic grain growth with pore drag under applied loads. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 412, 271-278.	5.6	8
107	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.	2.4	8
108	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.	3.9	8

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109	A general analytical solution of a strain-hardening elasto-plastic plate containing a circular hole subjected to biaxial loading. With applications in pressure vessels. International Journal of Pressure Vessels and Piping, 1991, 47, 35-55.	2.6	7
110	Solution of the Eshelby-type anti-plane strain polygonal inclusion problem based on a simplified strain gradient elasticity theory. Acta Mechanica, 2014, 225, 809-823.	2.1	7
111	Extended Hill's lemma for non-Cauchy continua based on the simplified strain gradient elasticity theory. Journal of Micromechanics and Molecular Physics, 2016, 01, 1640004.	1.2	7
112	Two versions of the extended Hill's lemma for non-Cauchy continua based on the couple stress theory. Mathematics and Mechanics of Solids, 2021, 26, 244-262.	2.4	7
113	Alternative Derivation of Marguerre's Displacement Solution in Plane Isotropic Elasticity. Journal of Applied Mechanics, Transactions ASME, 2000, 67, 419-421.	2.2	7
114	Modeling of Viscoelastic Behavior of Ballistic Fabrics at Low and High Strain Rates. International Journal for Multiscale Computational Engineering, 2009, 7, 295-308.	1.2	7
115	Modeling of Electrical Conductivity of Nickel Nanostrand Filled Polymer Matrix Composites. Journal of Computational and Theoretical Nanoscience, 2009, 6, 494-504.	0.4	6
116	Constitutive Behavior of a Twaron®/Natural Rubber Composite. Mechanics of Advanced Materials and Structures, 2010, 17, 246-259.	2.6	6
117	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, .	1.4	6
118	Creep of a Twaron®/Natural Rubber Composite. Mechanics of Advanced Materials and Structures, 2013, 20, 464-477.	2.6	6
119	A new constitutive model for ballistic Roma Plastilina no. 1 clay. Mechanics of Advanced Materials and Structures, 2020, 27, 2027-2034.	2.6	6
120	A mathematical analysis of the elastoplastic anti-plane shear problem of a power-law material and one class of closed-form solutions. International Journal of Solids and Structures, 1996, 33, 2213-2223.	2.7	5
121	A New Bernoulli-Euler Beam Model Based on a Modified Couple Stress Theory. , 2006, , 1.		5
122	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. International Journal of Mechanical Sciences, 2017, 130, 586-595.	6.7	5
123	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.	2.6	4
124	A Non-Classical Model for Circular Mindlin Plates Incorporating Microstructure and Surface Energy Effects. Procedia IUTAM, 2017, 21, 48-55.	1.2	4
125	Constitutive Equations for Hyperelastic Materials Based on the Upper Triangular Decomposition of the Deformation Gradient. Mathematics and Mechanics of Solids, 2019, 24, 1785-1799.	2.4	4
126	Three-Parameter Viscoelasticity Models for Ballistic Fabrics. , 2008, , .		3

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127	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.	2.1	3
128	The upper triangular decomposition of the deformation gradient: possible decompositions of the distortion tensor. <i>Acta Mechanica</i> , 2018, 229, 1927-1948.	2.1	3
129	Modeling of head injuries induced by golf ball impacts. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1751-1763.	2.6	3
130	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.	1.1	3
131	Critical velocities and displacements of anisotropic tubes under a moving pressure. <i>Mathematics and Mechanics of Solids</i> , 2022, 27, 2662-2688.	2.4	3
132	On displacement methods in planar anisotropic elasticity. <i>Mechanics Research Communications</i> , 2000, 27, 553-560.	1.8	2
133	On the complex variable displacement method in plane isotropic elasticity. <i>Mechanics Research Communications</i> , 2004, 31, 169-173.	1.8	1
134	Shear-lag model for discontinuous fiber-reinforced composites with a membrane-type imperfect interface. <i>Acta Mechanica</i> , 2020, 231, 4717-4734.	2.1	1
135	Micromechanical Modeling of Three-dimensional Open-cell Foams. , 2012, , 213-258.		1
136	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.	2.2	1
137	Analysis of the Linearly Viscoelastic Behavior of Nanotube-Reinforced Polymer Composites. , 2004, , 63.		0
138	PREFACE to Scale Effects in Mechanics Special Issue. <i>Mathematics and Mechanics of Solids</i> , 2008, 13, 197-198.	2.4	0
139	Preface: Special Issue on "Micro- and Nanomechanics". <i>Mechanics of Advanced Materials and Structures</i> , 2008, 15, 549-549.	2.6	0
140	Preface to Special Issue on Nonlinear Behaviors of Materials. <i>Mechanics of Advanced Materials and Structures</i> , 2009, 16, 503-503.	2.6	0
141	Creep Behavior of a TWARON®/Natural Rubber Composite. , 2010, , .		0
142	Mechanics of Heterogeneous Solids and Composite Materials. <i>Journal of Engineering Materials and Technology</i> , <i>Transactions of the ASME</i> , 2012, 134, .	1.4	0
143	Ballistic Helmets: Their Design, Materials, and Performance Against Traumatic Brain Injury. , 2012, , .		0
144	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

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145	Fatigue of Coiled Tubing and its Influencing Factors: A Comparative Study. , 2016, , .		0
146	A Micromechanics Model for Electrical Conductivity of Three-Dimensional Open-Cell Metallic Foams. , 2017, , .		0