Ray W Ogden

List of Publications by Year
in descending order

179 papers	14,436 citations	28274 55 h-index	20358 116 g-index
188 all docs	188 docs citations	188 times ranked	5961 citing authors

#	Article	IF	Citations
1	Bending control and stability of functionally graded dielectric elastomers. Extreme Mechanics Letters, 2021, 43, 101162.	4.1	4
2	The effect of residual stress on the stability of a circular cylindrical tube. Journal of Engineering Mathematics, 2021, 127, 1.	1.2	11
3	Mathematical Modelling of Residual-Stress Based Volumetric Growth in Soft Matter. Journal of Elasticity, 2021, 145, 223-241.	1.9	7
4	Bifurcation analysis of elastic residually-stressed circular cylindrical tubes. International Journal of Solids and Structures, 2021, 226-227, 111062.	2.7	14
5	An arterial constitutive model accounting for collagen content and cross-linking. Journal of the Mechanics and Physics of Solids, 2020, 136, 103682.	4.8	29
6	Preface to a special feature dedicated to the memory of Prof. Peter Chadwick FRS. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200615.	2.1	0
7	Bifurcation of finitely deformed thick-walled electroelastic spherical shells subject to a radial electric field. International Journal of Non-Linear Mechanics, 2020, 121, 103429.	2.6	7
8	Waves and vibrations in a finitely deformed electroelastic circular cylindrical tube. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190701.	2.1	12
9	A damage model for collagen fibres with an application to collagenous soft tissues. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190821.	2.1	10
10	Stability analysis of charge-controlled soft dielectric plates. International Journal of Engineering Science, 2020, 151, 103280.	5.0	7
11	Failure properties and microstructure of healthy and aneurysmatic human thoracic aortas subjected to uniaxial extension with a focus on the media. Acta Biomaterialia, 2019, 99, 443-456.	8.3	26
12	On fibre dispersion modelling of soft biological tissues: a review. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20180736.	2.1	61
13	Instabilities of soft dielectrics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180077.	3.4	44
14	Electroelastic plate instabilities based on the Stroh method in terms of the energy function $\Omega^*(F, DL)$. Mechanics Research Communications, 2019, 96, 67-74.	1.8	2
15	A para-universal relation for orthotropic materials. Mechanics Research Communications, 2019, 97, 46-51.	1.8	1
16	Coupled agentâ€based and hyperelastic modelling of the left ventricle postâ€myocardial infarction. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3155.	2.1	15
17	A discrete fibre dispersion method for excluding fibres under compression in the modelling of fibrous tissues. Journal of the Royal Society Interface, 2018, 15, 20170766.	3.4	53
18	Bifurcation of finitely deformed thick-walled electroelastic cylindrical tubes subject to a radial electric field. Zeitschrift Fur Angewandte Mathematik Und Physik, 2018, 69, 1.	1.4	20

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19	Preface to the special issue on â€œMechanics of Fibre-Reinforced Materials: Theory and Applications, Part IIIâ€• Journal of Engineering Mathematics, 2018, 109, 1-1.	1.2	0
20	An exponential constitutive model excluding fibres under compression: Application to extensionâ€"inflation of a residually stressed carotid artery. Mathematics and Mechanics of Solids, 2018, 23, 1206-1224.	2.4	18
21	Deformation induced loss of ellipticity in an anisotropic circular cylindrical tube. Journal of Engineering Mathematics, 2018, 109, 31-45.	1.2	10
22	Modeling fibrous biological tissues with a general invariant that excludes compressed fibers. Journal of the Mechanics and Physics of Solids, 2018, 110, 38-53.	4.8	29
23	The effect of deformation dependent permittivity on the elastic response of a finitely deformed dielectric tube. Mechanics Research Communications, 2018, 93, 47-57.	1.8	12
24	Reflection of plane waves from the boundary of an incompressible finitely deformed electroactive half-space. Zeitschrift Fur Angewandte Mathematik Und Physik, 2018, 69, 1.	1.4	0
25	A generalised structure tensor model for the mixed invariant I_8. International Journal of Non-Linear Mechanics, 2018, 107, 137-148.	2.6	25
26	Biomechanical relevance of the microstructure in artery walls with a focus on passive and active components. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H540-H549.	3.2	45
27	Title is missing!. , 2018, , .		1
28	Title is missing!. , 2018, , .		0
29	Nonlinear electroelasticity: material properties, continuum theory and applications. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170311.	2.1	61
30	Comparison of two model frameworks for fiber dispersion in the elasticity of soft biological tissues. European Journal of Mechanics, A/Solids, 2017, 66, 193-200.	3.7	26
31	On Fiber Dispersion Models: Exclusion of Compressed Fibers and Spurious Model Comparisons. Journal of Elasticity, 2017, 129, 49-68.	1.9	43
32	Finite deformations of an electroelastic circular cylindrical tube. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	1.4	34
33	Computational method for excluding fibers under compression in modeling soft fibrous solids. European Journal of Mechanics, A/Solids, 2016, 57, 178-193.	3.7	48
34	Extension, inflation and torsion of a residually stressed circular cylindrical tube. Continuum Mechanics and Thermodynamics, 2016, 28, 157-174.	2.2	75
35	Loss of ellipticity in the combined helical, axial and radial elastic deformations of a fibre-reinforced circular cylindrical tube. International Journal of Solids and Structures, 2015, 63, 99-108.	2.7	9
36	Investigation of the optimal collagen fibre orientation in human iliac arteries. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 52, 108-119.	3.1	37

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37	Nonlinear Elasticity with Application to Soft Fibre-reinforced Materials. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2015, , 1-48.	0.6	6
38	Preface to the special issue on â€œMechanics of Fibre-Reinforced Materials: Theory and Applications, Part IIâ€. Journal of Engineering Mathematics, 2015, 95, 1-4.	1.2	1
39	Modelling non-symmetric collagen fibre dispersion in arterial walls. Journal of the Royal Society Interface, 2015, 12, 20150188.	3.4	200
40	Foreword to the special issue Mechanics of Rubber: In Memory of Alan Gent. International Journal of Non-Linear Mechanics, 2015, 68, 1-8.	2.6	0
41	On the tensionâ€“compression switch in soft fibrous solids. European Journal of Mechanics, A/Solids, 2015, 49, 561-569.	3.7	95
42	Straightening: existence, uniqueness and stability. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20130709.	2.1	16
43	Non-affine strain measures for continuum models of network materials. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 435-436.	0.2	1
44	Re â€˜How Should We Measure and Report Elasticity of Aortic Tissue?â€™. European Journal of Vascular and Endovascular Surgery, 2014, 47, 110-111.	1.5	0
45	Straightening wrinkles. Journal of the Mechanics and Physics of Solids, 2014, 65, 1-11.	4.8	18
46	A modified Holzapfel-Ogden law for a residually stressed finite strain model of the human left ventricle in diastole. Biomechanics and Modeling in Mechanobiology, 2014, 13, 99-113.	2.8	62
47	Finite elastic deformations of transversely isotropic circular cylindrical tubes. International Journal of Solids and Structures, 2014, 51, 1188-1196.	2.7	27
48	Classical plate buckling theory as the smallâ€thickness limit of threeâ€dimensional incremental elasticity. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2014, 94, 7-20.	1.6	11
49	Instabilities of an electroelastic plate. International Journal of Engineering Science, 2014, 77, 79-101.	5.0	60
50	Two-dimensional wave propagation in a rotating elastic solid with voids. Journal of Sound and Vibration, 2014, 333, 1945-1952.	3.9	15
51	Letter to the Editor Re â€œMeasurement of the uniaxial mechanical properties of healthy and atherosclerotic human coronary arteriesâ€. Materials Science and Engineering C, 2014, 34, 491-492.	7.3	0
52	A robust anisotropic hyperelastic formulation for the modelling of soft tissue. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 39, 48-60.	3.1	162
53	Nonlinear response of an electroelastic spherical shell. International Journal of Engineering Science, 2014, 85, 163-174.	5.0	22
54	On Rayleigh-type surface waves in an initially stressed incompressible elastic solid. IMA Journal of Applied Mathematics, 2014, 79, 360-376.	1.6	30

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55	The effect of rotation and initial stress on the propagation of waves in a transversely isotropic elastic solid. Wave Motion, 2014, 51, 1108-1126.	2.0	30
56	An affine continuum mechanical model for cross-linked F-actin networks with compliant linker proteins. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 38, 78-90.	3.1	35
57	Nonlinear Theory of Electroelastic and Magnetoelastic Interactions. , 2014, , .		95
58	Nonlinear Elasticity Background. , 2014, , 47-90.		1
59	Magnetoelastic Wave Propagation. , 2014, , 261-297.		0
60	Nonlinear Magnetoelastic Interactions. , 2014, , 137-155.		0
61	Structure–based finite strain modelling of the human left ventricle in diastole. International Journal for Numerical Methods in Biomedical Engineering, 2013, 29, 83-103.	2.1	95
62	On anisotropic elasticity and questions concerning its Finite Element implementation. Computational Mechanics, 2013, 52, 1185-1197.	4.0	45
63	On stress-dependent elastic moduli and wave speeds. IMA Journal of Applied Mathematics, 2013, 78, 965-997.	1.6	38
64	Elasticity of biopolymer filaments. Acta Biomaterialia, 2013, 9, 7320-7325.	8.3	15
65	Anisotropic behaviour of human gallbladder walls. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 20, 363-375.	3.1	16
66	Counter-intuitive results in acousto-elasticity. Wave Motion, 2013, 50, 1218-1228.	2.0	5
67	Three-dimensional non-linear buckling of thick-walled elastic tubes under pressure. International Journal of Non-Linear Mechanics, 2013, 48, 1-14.	2.6	28
68	The influence of residual stress on finite deformation elastic response. International Journal of Non-Linear Mechanics, 2013, 56, 43-49.	2.6	73
69	Nonlinear magnetoelastostatics: Energy functionals and their second variations. Mathematics and Mechanics of Solids, 2013, 18, 760-772.	2.4	9
70	A Quasi-Nonlinear Analysis of the Anisotropic Behaviour of Human Gallbladder Wall. Journal of Biomechanical Engineering, 2012, 134, 101009.	1.3	6
71	A Note on Residual Stress, Lattice Orientation and Dislocation Density in Crystalline Solids. Journal of Elasticity, 2012, 109, 275-283.	1.9	4
72	On Love-type waves in a finitely deformed magnetoelastic layered half-space. Zeitschrift Fur Angewandte Mathematik Und Physik, 2012, 63, 1177-1200.	1.4	12

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73	Large acoustoelastic effect. Wave Motion, 2012, 49, 364-374.	2.0	46
74	Phenomenological Modeling of DNA Overstretching. Journal of Nonlinear Mathematical Physics, 2011, 18, 411.	1.3	3
75	ON SURFACE WAVES IN A FINITELY DEFORMED MAGNETOELASTIC HALF-SPACE. International Journal of Applied Mechanics, 2011, 03, 633-665.	2.2	17
76	Propagation of waves in an incompressible transversely isotropic elastic solid with initial stress: Biot revisited. Journal of Mechanics of Materials and Structures, 2011, 6, 453-477.	0.6	71
77	Initial stresses in elastic solids: Constitutive laws and acoustoelasticity. Wave Motion, 2011, 48, 552-567.	2.0	129
78	On the Bending and Stretching Elasticity of Biopolymer Filaments. Journal of Elasticity, 2011, 104, 319-342.	1.9	32
79	Cross-bridge apparent rate constants of human gallbladder smooth muscle. Journal of Muscle Research and Cell Motility, 2011, 32, 209-220.	2.0	4
80	A Mechanical Model for CCK-Induced Acalculous Gallbladder Pain. Annals of Biomedical Engineering, 2011, 39, 786-800.	2.5	12
81	Numerical solution of finite geometry boundary-value problems in nonlinear magnetoelasticity. International Journal of Solids and Structures, 2011, 48, 874-883.	2.7	56
82	Magnetostatics: from Basic Principles to Nonlinear Interactions in Deformable Media. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2011, , 107-152.	0.6	5
83	Non-smooth solutions in the azimuthal shear of an anisotropic nonlinearly elastic material. Journal of Engineering Mathematics, 2010, 68, 27-36.	1.2	13
84	Nonlinear electroelastostatics: Incremental equations and stability. International Journal of Engineering Science, 2010, 48, 1-14.	5.0	117
85	On deforming a sector of a circular cylindrical tube into an intact tube: Existence, uniqueness, and stability. International Journal of Engineering Science, 2010, 48, 1212-1224.	5.0	25
86	Nonlinear axisymmetric deformations of an elastic tube under external pressure. European Journal of Mechanics, A/Solids, 2010, 29, 216-229.	3.7	31
87	Modelling the layer-specific three-dimensional residual stresses in arteries, with an application to the human aorta. Journal of the Royal Society Interface, 2010, 7, 787-799.	3.4	170
88	Electroelastic waves in a finitely deformed electroactive material. IMA Journal of Applied Mathematics, 2010, 75, 603-636.	1.6	79
89	On the third- and fourth-order constants of incompressible isotropic elasticity. Journal of the Acoustical Society of America, 2010, 128, 3334-3343.	1.1	86
90	Third- and fourth-order elasticities of biological soft tissues. Journal of the Acoustical Society of America, 2010, 127, 2103-2106.	1.1	49

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91	Constitutive modelling of arteries. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 1551-1597.	2.1	381
92	On the Bending and Stretching Elasticity of Biopolymer Filaments. , 2010, , 319-342.		1
93	On planar biaxial tests for anisotropic nonlinearly elastic solids. A continuum mechanical framework. Mathematics and Mechanics of Solids, 2009, 14, 474-489.	2.4	154
94	Anisotropy and Nonlinear Elasticity in Arterial Wall Mechanics. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2009, , 179-258.	0.6	26
95	Nonlinear electroelastostatics: a variational framework. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 154-177.	1.4	107
96	Small amplitude waves and stability for a pre-stressed viscoelastic solid. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 511-528.	1.4	22
97	Incremental elastic motions superimposed on a finite deformation in the presence of an electromagnetic field. International Journal of Non-Linear Mechanics, 2009, 44, 570-580.	2.6	25
98	Incremental elastic motions superimposed on a finite deformation in the presence of an electromagnetic field [International Journal of Non-Linear Mechanics Vol. 44, Issue 2, pages 218â€"228]. International Journal of Non-Linear Mechanics, 2009, 44, 123.	2.6	8
99	On electric body forces and Maxwell stresses in nonlinearly electroelastic solids. International Journal of Engineering Science, 2009, 47, 1131-1141.	5.0	82
100	Constitutive modelling of passive myocardium: a structurally based framework for material characterization. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3445-3475.	3.4	588
101	Incremental Magnetoelastic Deformations, with Application to Surface Instability. Journal of Elasticity, 2008, 90, 19-42.	1.9	59
102	Closed-form solutions, extremality and nonsmoothness criteria in a large deformation elasticity problem. Zeitschrift Fur Angewandte Mathematik Und Physik, 2008, 59, 498-517.	1.4	43
103	Asymmetric bifurcations of thick-walled circular cylindrical elastic tubes under axial loading and external pressure. International Journal of Solids and Structures, 2008, 45, 3410-3429.	2.7	44
104	Azimuthal Shear of a Transversely Isotropic Elastic Solid. Mathematics and Mechanics of Solids, 2008, 13, 690-724.	2.4	37
105	Multiple solutions to non-convex variational problems with implications for phase transitions and numerical computation. Quarterly Journal of Mechanics and Applied Mathematics, 2008, 61, 497-522.	1.3	34
106	On Variational Formulations in Nonlinear Magnetoelastostatics. Mathematics and Mechanics of Solids, 2008, 13, 725-745.	2.4	94
107	Surface waves supported by thin-film/substrate interactions. IMA Journal of Applied Mathematics, 2007, 72, 730-747.	1.6	29
108	Computational aspects of Worm-Like-Chain interpolation formulas. Computers and Mathematics With Applications, 2007, 53, 276-286.	2.7	15

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109	Acoustic waves at the interface of a pre-stressed incompressible elastic solid and a viscous fluid. International Journal of Non-Linear Mechanics, 2007, 42, 310-320.	2.6	37
110	A three-dimensional non-linear constitutive law for magnetorheological fluids, with applications. International Journal of Non-Linear Mechanics, 2007, 42, 381-390.	2.6	17
111	A variational formulation for magnetoâ€active elastomers based on a total energy function. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1090703-1090704.	0.2	0
112	Equivalent governing equilibrium equations for nonlinear magnetoelastic solids. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1100201-1100202.	0.2	0
113	Incremental Statics and Dynamics of Pre-Stressed Elastic Materials. , 2007, , 1-26.		30
114	A nonlinear magnetoelastic tube under extension and inflation in an axial magnetic field: numerical solution. Journal of Engineering Mathematics, 2007, 59, 139-153.	1.2	59
115	Foreword to the BMMB special issue on mathematical modeling. Biomechanics and Modeling in Mechanobiology, 2007, 6, 287-288.	2.8	0
116	Introducing mesoscopic information into constitutive equations for arterial walls. Biomechanics and Modeling in Mechanobiology, 2007, 6, 333-344.	2.8	57
117	Layer-Specific 3D Residual Deformations of Human Aortas with Non-Atherosclerotic Intimal Thickening. Annals of Biomedical Engineering, 2007, 35, 530-545.	2.5	192
118	Universal relations in isotropic nonlinear magnetoelasticity. Quarterly Journal of Mechanics and Applied Mathematics, 2006, 59, 435-450.	1.3	39
119	Hyperelastic modelling of arterial layers with distributed collagen fibre orientations. Journal of the Royal Society Interface, 2006, 3, 15-35.	3.4	1,828
120	On worm-like chain models within the three-dimensional continuum mechanics framework. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 749-768.	2.1	60
121	The influence of the invariant on the stressâ€"deformation and ellipticity characteristics of doubly fiber-reinforced non-linearly elastic solids. International Journal of Non-Linear Mechanics, 2006, 41, 556-563.	2.6	65
122	Nonlinear Electroelastic Deformations. Journal of Elasticity, 2006, 82, 99-127.	1.9	181
123	Universal relations for nonlinear electroelastic solids. Acta Mechanica, 2006, 182, 125-140.	2.1	26
124	On nonlinear universal relations in nonlinear elasticity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2006, 57, 708-721.	1.4	4
125	On the equivalence of strong ellipticity in the material and spatial settings of finite elasticity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2006, 57, 1096-1101.	1.4	1
126	Tensile instabilities and ellipticity in fiber-reinforced compressible non-linearly elastic solids. International Journal of Engineering Science, 2005, 43, 697-706.	5.0	36

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127	Mechanical response of fiber-reinforced incompressible non-linearly elastic solids. International Journal of Non-Linear Mechanics, 2005, 40, 213-227.	2.6	220
128	Surface waves in a stretched and sheared incompressible elastic material. International Journal of Non-Linear Mechanics, 2005, 40, 241-253.	2.6	26
129	The effect of rotation on the nonlinear magnetoelastic response of a circular cylindrical tube. International Journal of Solids and Structures, 2005, 42, 3700-3715.	2.7	10
130	Reply to A. Zhong â€œDiscussions on â€˜A constitutive model for the Mullins effect with permanent set in a particle-reinforced rubberâ€™ by A. Dorfmann and R.W. Ogdenâ€. International Journal of Solids and Structures, 2005, 42, 4909-4910.	2.7	6
131	Some problems in nonlinear magnetoelasticity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2005, 56, 718-745.	1.4	80
132	On tensile instabilities and ellipticity loss in fiber-reinforced incompressible non-linearly elastic solids. Mechanics Research Communications, 2005, 32, 290-299.	1.8	43
133	Nonlinear electroelasticity. Acta Mechanica, 2005, 174, 167-183.	2.1	485
134	On the Rayleigh Wave Speed in Orthotropic Elastic Solids. Meccanica, 2005, 40, 147-161.	2.0	34
135	Heat Conduction and Controlled Deformations in Incompressible Isotropic Elasticity. Mathematics and Mechanics of Solids, 2005, 10, 487-502.	2.4	4
136	Mechanics of Rubberlike Solids. , 2005, , 263-274.		2
137	On Rayleigh waves in incompressible orthotropic elastic solids. Journal of the Acoustical Society of America, 2004, 115, 530-533.	1.1	52
138	Comparison of a Multi-Layer Structural Model for Arterial Walls With a Fung-Type Model, and Issues of Material Stability. Journal of Biomechanical Engineering, 2004, 126, 264-275.	1.3	224
139	Universal relations for non-linear magnetoelastic solids. International Journal of Non-Linear Mechanics, 2004, 39, 1699-1708.	2.6	32
140	Fitting hyperelastic models to experimental data. Computational Mechanics, 2004, 34, 484-502.	4.0	579
141	Nonlinear magnetoelastic deformations of elastomers. Acta Mechanica, 2004, 167, 13-28.	2.1	158
142	Some solutions for a compressible isotropic elastic material. Zeitschrift Fur Angewandte Mathematik Und Physik, 2004, 55, 136-158.	1.4	9
143	On formulas for the Rayleigh wave speed. Wave Motion, 2004, 39, 191-197.	2.0	66
144	A constitutive model for the Mullins effect with permanent set in particle-reinforced rubber. International Journal of Solids and Structures, 2004, 41, 1855-1878.	2.7	371

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145	Nonlinear magnetoelastic deformations. Quarterly Journal of Mechanics and Applied Mathematics, 2004, 57, 599-622.	1.3	162
146	A theory of stress softening of elastomers based on finite chain extensibility. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2004, 460, 1737-1754.	2.1	104
147	A pseudo-elastic model for loading, partial unloading and reloading of particle-reinforced rubber. International Journal of Solids and Structures, 2003, 40, 2699-2714.	2.7	115
148	Instabilities and loss of ellipticity in fiber-reinforced compressible non-linearly elastic solids under plane deformation. International Journal of Solids and Structures, 2003, 40, 4707-4727.	2.7	144
149	Magnetoelastic modelling of elastomers. European Journal of Mechanics, A/Solids, 2003, 22, 497-507.	3.7	217
150	A Note on Strong Ellipticity for Transversely Isotropic Linearly Elastic Solids. Quarterly Journal of Mechanics and Applied Mathematics, 2003, 56, 589-591.	1.3	47
151	On the Thermodynamic Stability of Elastic Heat-Conducting Solids Subject to a Deformationâ€"Temperature Constraint. Mathematics and Mechanics of Solids, 2002, 7, 285-306.	2.4	9
152	Vibration of a Surface-Coated Elastic Block Subject to Bending. Mathematics and Mechanics of Solids, 2002, 7, 607-628.	2.4	9
153	Shear, compressive and dilatational response of rubberlike solids subject to cavitation damage. International Journal of Solids and Structures, 2002, 39, 1845-1861.	2.7	49
154	Stress softening and residual strain in the azimuthal shear of a pseudo-elastic circular cylindrical tube. International Journal of Non-Linear Mechanics, 2001, 36, 477-487.	2.6	9
155	A new Constitutive Framework for Arterial Wall Mechanics and a Comparative Study of Material Models. , 2001, , 1-48.		66
156	Reflection and transmission of plane waves at a shear-twin interface. International Journal of Engineering Science, 2000, 38, 1789-1810.	5.0	12
157	Some new solutions for the axial shear of a circular cylindrical tube of compressible elastic material. International Journal of Non-Linear Mechanics, 2000, 35, 361-369.	2.6	21
158	A New Constitutive Framework for Arterial Wall Mechanics and a Comparative Study of Material Models. Journal of Elasticity, 2000, 61, 1-48.	1.9	2,105
159	Phenomenological and Structural Aspects of the Mechanical Response of Arteries. , 2000, , .		17
160	Spherically-symmetric solutions for a spherical shell in finite pseudo-elasticity. European Journal of Mechanics, A/Solids, 1999, 18, 617-632.	3.7	6
161	Bifurcation of an elastic surface-coated incompressible isotropic elastic block subject to bending. Zeitschrift Fur Angewandte Mathematik Und Physik, 1999, 50, 822.	1.4	16
162	Nonlinear stability analysis of pre-stressed elastic bodies. Continuum Mechanics and Thermodynamics, 1999, 11, 141-172.	2.2	93

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163	Reflection of plane waves from the boundary of a pre-stressed compressible elastic half-space. IMA Journal of Applied Mathematics, 1998, 61, 61-90.	1.6	44
164	On azimuthal shear of a circular cylindrical tube of compressible elastic material. Quarterly Journal of Mechanics and Applied Mathematics, 1998, 51, 143-158.	1.3	48
165	A Necessary Condition for Energy-Minimizing Plane Deformations of Elastic Solids with Intrinsic Boundary Elasticity. Mathematics and Mechanics of Solids, 1997, 2, 3-16.	2.4	19
166	Stability and vibration of pre-stressed compressible elastic plates. International Journal of Engineering Science, 1994, 32, 427-454.	5.0	53
167	The effect of pre-stress on the vibration and stability of elastic plates. International Journal of Engineering Science, 1993, 31, 1611-1639.	5.0	94
168	ON THE THERMOELASTIC MODELING OF RUBBERLIKE SOLIDS. Journal of Thermal Stresses, 1992, 15, 533-557.	2.0	39
169	On Surface Waves and Deformations in a Pre-stressed Incompressible Elastic Solid. IMA Journal of Applied Mathematics, 1990, 44, 261-284.	1.6	160
170	Recent Advances in the Phenomenological Theory of Rubber Elasticity. Rubber Chemistry and Technology, 1986, 59, 361-383.	1.2	148
171	Bifurcation of inflated circular cylinders of elastic material under axial loading—II. Exact theory for thick-walled tubes. Journal of the Mechanics and Physics of Solids, 1979, 27, 489-512.	4.8	155
172	Nearly isochoric elastic deformations: Application to rubberlike solids. Journal of the Mechanics and Physics of Solids, 1978, 26, 37-57.	4.8	122
173	On the incremental equations in non-linear elasticity — I. Membrane theory. Journal of the Mechanics and Physics of Solids, 1978, 26, 93-110.	4.8	49
174	On the incremental equations in non-linear elasticity — II. Bifurcation of pressurized spherical shells. Journal of the Mechanics and Physics of Solids, 1978, 26, 111-138.	4.8	97
175	Extremum principles in non-linear elasticity and their application to composites—I. International Journal of Solids and Structures, 1978, 14, 265-282.	2.7	81
176	SOLUTION OF SOME FINITE PLANE-STRAIN PROBLEMS FOR COMPRESSIBLE ELASTIC SOLIDS. Quarterly Journal of Mechanics and Applied Mathematics, 1978, 31, 219-249.	1.3	53
177	Inequalities associated with the inversion of elastic stress-deformation relations and their implications. Mathematical Proceedings of the Cambridge Philosophical Society, 1977, 81, 313-324.	0.4	68
178	Volume changes associated with the deformation of rubber-like solids. Journal of the Mechanics and Physics of Solids, 1976, 24, 323-338.	4.8	109
179	On the overall moduli of non-linear elastic composite materials. Journal of the Mechanics and Physics of Solids, 1974, 22, 541-553.	4.8	91