Ray W Ogden

List of Publications by Year
in descending order

179	14,436	28274	20358
papers	citations	55 h-index	116 g-index

188	188	188	5961
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Hyperelastic modelling of arterial layers with distributed collagen fibre orientations. Journal of the Royal Society Interface, 2006, 3, 15-35.	3.4	1,828
3	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
4	Fitting hyperelastic models to experimental data. Computational Mechanics, 2004, 34, 484-502.	4.0	579
5	Nonlinear electroelasticity. Acta Mechanica, 2005, 174, 167-183.	2.1	485
6	Constitutive modelling of arteries. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 1551-1597.	2.1	381
7	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
8	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
9	Mechanical response of fiber-reinforced incompressible non-linearly elastic solids. International Journal of Non-Linear Mechanics, 2005, 40, 213-227.	2.6	220
10	Magnetoelastic modelling of elastomers. European Journal of Mechanics, A/Solids, 2003, 22, 497-507.	3.7	217
11	Modelling non-symmetric collagen fibre dispersion in arterial walls. Journal of the Royal Society Interface, 2015, 12, 20150188.	3.4	200
12	Layer-Specific 3D Residual Deformations of Human Aortas with Non-Atherosclerotic Intimal Thickening. Annals of Biomedical Engineering, 2007, 35, 530-545.	2.5	192
13	Nonlinear Electroelastic Deformations. Journal of Elasticity, 2006, 82, 99-127.	1.9	181
14	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
15	Nonlinear magnetoelastic deformations. Quarterly Journal of Mechanics and Applied Mathematics, 2004, 57, 599-622.	1.3	162
16	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
17	On Surface Waves and Deformations in a Pre-stressed Incompressible Elastic Solid. IMA Journal of Applied Mathematics, 1990, 44, 261-284.	1.6	160
18	Nonlinear magnetoelastic deformations of elastomers. Acta Mechanica, 2004, 167, 13-28.	2.1	158

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19	Bifurcation of inflated circular cylinders of elastic material under axial loadingâ€”II. Exact theory for thick-walled tubes. Journal of the Mechanics and Physics of Solids, 1979, 27, 489-512.	4.8	155
20	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
21	Recent Advances in the Phenomenological Theory of Rubber Elasticity. Rubber Chemistry and Technology, 1986, 59, 361-383.	1.2	148
22	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
23	Initial stresses in elastic solids: Constitutive laws and acoustoelasticity. Wave Motion, 2011, 48, 552-567.	2.0	129
24	Nearly isochoric elastic deformations: Application to rubberlike solids. Journal of the Mechanics and Physics of Solids, 1978, 26, 37-57.	4.8	122
25	Nonlinear electroelastostatics: Incremental equations and stability. International Journal of Engineering Science, 2010, 48, 1-14.	5.0	117
26	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
27	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
28	Nonlinear electroelastostatics: a variational framework. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 154-177.	1.4	107
29	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
30	On the incremental equations in non-linear elasticity â€" II. Bifurcation of pressurized spherical shells. Journal of the Mechanics and Physics of Solids, 1978, 26, 111-138.	4.8	97
31	Structureâ€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
32	On the tensionâ€“compression switch in soft fibrous solids. European Journal of Mechanics, A/Solids, 2015, 49, 561-569.	3.7	95
33	Nonlinear Theory of Electroelastic and Magnetoelastic Interactions. , 2014, , .		95
34	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
35	On Variational Formulations in Nonlinear Magnetoelastostatics. Mathematics and Mechanics of Solids, 2008, 13, 725-745.	2.4	94
36	Nonlinear stability analysis of pre-stressed elastic bodies. Continuum Mechanics and Thermodynamics, 1999, 11, 141-172.	2.2	93

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37	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
38	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
39	On electric body forces and Maxwell stresses in nonlinearly electroelastic solids. International Journal of Engineering Science, 2009, 47, 1131-1141.	5.0	82
40	Extremum principles in non-linear elasticity and their application to compositesâ€"I. International Journal of Solids and Structures, 1978, 14, 265-282.	2.7	81
41	Some problems in nonlinear magnetoelasticity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2005, 56, 718-745.	1.4	80
42	Electroelastic waves in a finitely deformed electroactive material. IMA Journal of Applied Mathematics, 2010, 75, 603-636.	1.6	79
43	Extension, inflation and torsion of a residually stressed circular cylindrical tube. Continuum Mechanics and Thermodynamics, 2016, 28, 157-174.	2.2	75
44	The influence of residual stress on finite deformation elastic response. International Journal of Non-Linear Mechanics, 2013, 56, 43-49.	2.6	73
45	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
46	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
47	A new Constitutive Framework for Arterial Wall Mechanics and a Comparative Study of Material Models. , 2001, , 1-48.		66
48	On formulas for the Rayleigh wave speed. Wave Motion, 2004, 39, 191-197.	2.0	66
49	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
50	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
51	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
52	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
53	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
54	Instabilities of an electroelastic plate. International Journal of Engineering Science, 2014, 77, 79-101.	5.0	60

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55	Incremental Magnetoelastic Deformations, with Application to Surface Instability. Journal of Elasticity, 2008, 90, 19-42.	1.9	59
56	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
57	Introducing mesoscopic information into constitutive equations for arterial walls. Biomechanics and Modeling in Mechanobiology, 2007, 6, 333-344.	2.8	57
58	Numerical solution of finite geometry boundary-value problems in nonlinear magnetoelasticity. International Journal of Solids and Structures, 2011, 48, 874-883.	2.7	56
59	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
60	Stability and vibration of pre-stressed compressible elastic plates. International Journal of Engineering Science, 1994, 32, 427-454.	5.0	53
61	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
62	On Rayleigh waves in incompressible orthotropic elastic solids. Journal of the Acoustical Society of America, 2004, 115, 530-533.	1.1	52
63	On the incremental equations in non-linear elasticity â€" I. Membrane theory. Journal of the Mechanics and Physics of Solids, 1978, 26, 93-110.	4.8	49
64	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
65	Third- and fourth-order elasticities of biological soft tissues. Journal of the Acoustical Society of America, 2010, 127, 2103-2106.	1.1	49
66	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
67	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
68	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
69	Large acoustoelastic effect. Wave Motion, 2012, 49, 364-374.	2.0	46
70	On anisotropic elasticity and questions concerning its Finite Element implementation. Computational Mechanics, 2013, 52, 1185-1197.	4.0	45
71	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
72	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

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73	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
74	Instabilities of soft dielectrics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180077.	3.4	44
75	On tensile instabilities and ellipticity loss in fiber-reinforced incompressible non-linearly elastic solids. Mechanics Research Communications, 2005, 32, 290-299.	1.8	43
76	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
77	On Fiber Dispersion Models: Exclusion of Compressed Fibers and Spurious Model Comparisons. Journal of Elasticity, 2017, 129, 49-68.	1.9	43
78	ON THE THERMOELASTIC MODELING OF RUBBERLIKE SOLIDS. Journal of Thermal Stresses, 1992, 15, 533-557.	2.0	39
79	Universal relations in isotropic nonlinear magnetoelasticity. Quarterly Journal of Mechanics and Applied Mathematics, 2006, 59, 435-450.	1.3	39
80	On stress-dependent elastic moduli and wave speeds. IMA Journal of Applied Mathematics, 2013, 78, 965-997.	1.6	38
81	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
82	Azimuthal Shear of a Transversely Isotropic Elastic Solid. Mathematics and Mechanics of Solids, 2008, 13, 690-724.	2.4	37
83	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
84	Tensile instabilities and ellipticity in fiber-reinforced compressible non-linearly elastic solids. International Journal of Engineering Science, 2005, 43, 697-706.	5.0	36
85	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
86	On the Rayleigh Wave Speed in Orthotropic Elastic Solids. Meccanica, 2005, 40, 147-161.	2.0	34
87	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
88	Finite deformations of an electroelastic circular cylindrical tube. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	1.4	34
89	Universal relations for non-linear magnetoelastic solids. International Journal of Non-Linear Mechanics, 2004, 39, 1699-1708.	2.6	32
90	On the Bending and Stretching Elasticity of Biopolymer Filaments. Journal of Elasticity, 2011, 104, 319-342.	1.9	32

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91	Nonlinear axisymmetric deformations of an elastic tube under external pressure. European Journal of Mechanics, A/Solids, 2010, 29, 216-229.	3.7	31
92	Incremental Statics and Dynamics of Pre-Stressed Elastic Materials. , 2007, , 1-26.		30
93	On Rayleigh-type surface waves in an initially stressed incompressible elastic solid. IMA Journal of Applied Mathematics, 2014, 79, 360-376.	1.6	30
94	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
95	Surface waves supported by thin-film/substrate interactions. IMA Journal of Applied Mathematics, 2007, 72, 730-747.	1.6	29
96	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
97	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
98	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
99	Finite elastic deformations of transversely isotropic circular cylindrical tubes. International Journal of Solids and Structures, 2014, 51, 1188-1196.	2.7	27
100	Surface waves in a stretched and sheared incompressible elastic material. International Journal of Non-Linear Mechanics, 2005, 40, 241-253.	2.6	26
101	Universal relations for nonlinear electroelastic solids. Acta Mechanica, 2006, 182, 125-140.	2.1	26
102	Anisotropy and Nonlinear Elasticity in Arterial Wall Mechanics. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2009, , 179-258.	0.6	26
103	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
104	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
105	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
106	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
107	A generalised structure tensor model for the mixed invariant <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml59" display="inline" overflow="scroll" altimg="si59.gif"><mml:msub><mml:mrow><mml:mi>I</mml:mi></mml:mrow><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:msub></mml:math>. International Journal of Non-Linear Mechanics, 2018, 107, 137-148.	2.6	25
108	Small amplitude waves and stability for a pre-stressed viscoelastic solid. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 511-528.	1.4	22

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109	Nonlinear response of an electroelastic spherical shell. International Journal of Engineering Science, 2014, 85, 163-174.	5.0	22
110	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
111	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
112	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
113	Straightening wrinkles. Journal of the Mechanics and Physics of Solids, 2014, 65, 1-11.	4.8	18
114	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
115	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
116	ON SURFACE WAVES IN A FINITELY DEFORMED MAGNETOELASTIC HALF-SPACE. International Journal of Applied Mechanics, 2011, 03, 633-665.	2.2	17
117	Phenomenological and Structural Aspects of the Mechanical Response of Arteries. , 2000, , .		17
118	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
119	Anisotropic behaviour of human gallbladder walls. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 20, 363-375.	3.1	16
120	Straightening: existence, uniqueness and stability. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20130709.	2.1	16
121	Computational aspects of Worm-Like-Chain interpolation formulas. Computers and Mathematics With Applications, 2007, 53, 276-286.	2.7	15
122	Elasticity of biopolymer filaments. Acta Biomaterialia, 2013, 9, 7320-7325.	8.3	15
123	Two-dimensional wave propagation in a rotating elastic solid with voids. Journal of Sound and Vibration, 2014, 333, 1945-1952.	3.9	15
124	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
125	Bifurcation analysis of elastic residually-stressed circular cylindrical tubes. International Journal of Solids and Structures, 2021, 226-227, 111062.	2.7	14
126	Non-smooth solutions in the azimuthal shear of an anisotropic nonlinearly elastic material. Journal of Engineering Mathematics, 2010, 68, 27-36.	1.2	13

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127	Reflection and transmission of plane waves at a shear-twin interface. International Journal of Engineering Science, 2000, 38, 1789-1810.	5.0	12
128	A Mechanical Model for CCK-Induced Acalculous Gallbladder Pain. Annals of Biomedical Engineering, 2011, 39, 786-800.	2.5	12
129	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
130	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
131	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
132	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
133	The effect of residual stress on the stability of a circular cylindrical tube. Journal of Engineering Mathematics, 2021, 127, 1.	1.2	11
134	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
135	Deformation induced loss of ellipticity in an anisotropic circular cylindrical tube. Journal of Engineering Mathematics, 2018, 109, 31-45.	1.2	10
136	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
137	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
138	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
139	Vibration of a Surface-Coated Elastic Block Subject to Bending. Mathematics and Mechanics of Solids, 2002, 7, 607-628.	2.4	9
140	Some solutions for a compressible isotropic elastic material. Zeitschrift Fur Angewandte Mathematik Und Physik, 2004, 55, 136-158.	1.4	9
141	Nonlinear magnetoelastostatics: Energy functionals and their second variations. Mathematics and Mechanics of Solids, 2013, 18, 760-772.	2.4	9
142	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
143	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
144	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

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145	Stability analysis of charge-controlled soft dielectric plates. International Journal of Engineering Science, 2020, 151, 103280.	5.0	7
146	Mathematical Modelling of Residual-Stress Based Volumetric Growth in Soft Matter. Journal of Elasticity, 2021, 145, 223-241.	1.9	7
147	Spherically-symmetric solutions for a spherical shell in finite pseudo-elasticity. European Journal of Mechanics, A/Solids, 1999, 18, 617-632.	3.7	6
148	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
149	A Quasi-Nonlinear Analysis of the Anisotropic Behaviour of Human Gallbladder Wall. Journal of Biomechanical Engineering, 2012, 134, 101009.	1.3	6
150	Nonlinear Elasticity with Application to Soft Fibre-reinforced Materials. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2015, , 1-48.	0.6	6
151	Counter-intuitive results in acousto-elasticity. Wave Motion, 2013, 50, 1218-1228.	2.0	5
152	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
153	Heat Conduction and Controlled Deformations in Incompressible Isotropic Elasticity. Mathematics and Mechanics of Solids, 2005, 10, 487-502.	2.4	4
154	On nonlinear universal relations in nonlinear elasticity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2006, 57, 708-721.	1.4	4
155	Cross-bridge apparent rate constants of human gallbladder smooth muscle. Journal of Muscle Research and Cell Motility, 2011, 32, 209-220.	2.0	4
156	A Note on Residual Stress, Lattice Orientation and Dislocation Density in Crystalline Solids. Journal of Elasticity, 2012, 109, 275-283.	1.9	4
157	Bending control and stability of functionally graded dielectric elastomers. Extreme Mechanics Letters, 2021, 43, 101162.	4.1	4
158	Phenomenological Modeling of DNA Overstretching. Journal of Nonlinear Mathematical Physics, 2011, 18, 411.	1.3	3
159	Electroelastic plate instabilities based on the Stroh method in terms of the energy function Î©*(F, DL). Mechanics Research Communications, 2019, 96, 67-74.	1.8	2
160	Mechanics of Rubberlike Solids. , 2005, , 263-274.		2
161	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
162	Non-affine strain measures for continuum models of network materials. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 435-436.	0.2	1

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163	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
164	A para-universal relation for orthotropic materials. Mechanics Research Communications, 2019, 97, 46-51.	1.8	1
165	Nonlinear Elasticity Background. , 2014, , 47-90.		1
166	On the Bending and Stretching Elasticity of Biopolymer Filaments. , 2010, , 319-342.		1
167	Title is missing!. , 2018, , .		1
168	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
169	Equivalent governing equilibrium equations for nonlinear magnetoelastic solids. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1100201-1100202.	0.2	0
170	Foreword to the BMMB special issue on mathematical modeling. Biomechanics and Modeling in Mechanobiology, 2007, 6, 287-288.	2.8	0
171	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
172	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
173	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
174	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
175	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
176	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
177	Magnetoelastic Wave Propagation. , 2014, , 261-297.		0
178	Nonlinear Magnetoelastic Interactions. , 2014, , 137-155.		0
179	Title is missing!. , 2018, , .		0