Cornelius Horgan

List of Publications by Year
in descending order

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217 papers	7,510 citations	57719 44 h-index	71651 76 g-index
221 all docs	221 docs citations	221 times ranked	1936 citing authors

#	Article	IF	Citations
1	Recent Developments Concerning Saint-Venantâ€™s Principle: An Update. Applied Mechanics Reviews, 1989, 42, 295-303.	4.5	388
2	Recent Developments Concerning Saint-Venant's Principle. Advances in Applied Mechanics, 1983, , 179-269.	1.4	274
3	Title is missing!. Journal of Elasticity, 1999, 55, 43-59.	0.9	229
4	Cavitation in Nonlinearly Elastic Solids: A Review. Applied Mechanics Reviews, 1995, 48, 471-485.	4.5	197
5	Recent Developments Concerning Saint-Venantâ€™s Principle: A Second Update. Applied Mechanics Reviews, 1996, 49, S101-S111.	4.5	183
6	Kornâ€™s Inequalities and Their Applications in Continuum Mechanics. SIAM Review, 1995, 37, 491-511.	4.2	178
7	A bifurcation problem for a compressible nonlinearly elastic medium: growth of a micro-void. Journal of Elasticity, 1986, 16, 189-200.	0.9	160
8	Anti-Plane Shear Deformations in Linear and Nonlinear Solid Mechanics. SIAM Review, 1995, 37, 53-81.	4.2	153
9	A Molecular-Statistical Basis for the Gent Constitutive Model of Rubber Elasticity. Journal of Elasticity, 2002, 68, 167-176.	0.9	143
10	A description of arterial wall mechanics using limiting chain extensibility constitutive models. Biomechanics and Modeling in Mechanobiology, 2003, 1, 251-266.	1.4	129
11	The remarkable Gent constitutive model for hyperelastic materials. International Journal of Non-Linear Mechanics, 2015, 68, 9-16.	1.4	127
12	Phenomenological Hyperelastic Strain-Stiffening Constitutive Models for Rubber. Rubber Chemistry and Technology, 2006, 79, 152-169.	0.6	116
13	A new constitutive theory for fiber-reinforced incompressible nonlinearly elastic solids. Journal of the Mechanics and Physics of Solids, 2005, 53, 1985-2015.	2.3	112
14	Spatial Decay Estimates for the Navierâ€“Stokes Equations with Application to the Problem of Entry Flow. SIAM Journal on Applied Mathematics, 1978, 35, 97-116.	0.8	104
15	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.	1.0	104
16	Spatial decay estimates in transient heat conduction. Quarterly of Applied Mathematics, 1984, 42, 119-127.	0.5	100
17	Saint-Venantâ€™s Principle and End Effects in Anisotropic Elasticity. Journal of Applied Mechanics, Transactions ASME, 1977, 44, 424-430.	1.1	96
18	Title is missing!. Journal of Elasticity, 1999, 56, 159-170.	0.9	95

#	Article	IF	Citations
19	The Stress Response of Functionally Graded Isotropic Linearly Elastic Rotating Disks. Journal of Elasticity, 1999, 55, 219-230.	0.9	95
20	On inequalities of Korn, Friedrichs and BabuÅ¡ka-Aziz. Archive for Rational Mechanics and Analysis, 1983, 82, 165-179.	1.1	89
21	Cavitation for incompressible anisotropic nonlinearly elastic spheres. Journal of Elasticity, 1993, 33, 27-65.	0.9	88
22	Elastic instabilities for strain-stiffening rubber-like spherical and cylindrical thin shells under inflation. International Journal of Non-Linear Mechanics, 2007, 42, 204-215.	1.4	81
23	Constitutive Modelling of Rubber-Like and Biological Materials with Limiting Chain Extensibility. Mathematics and Mechanics of Solids, 2002, 7, 353-371.	1.5	80
24	Constitutive Models for Compressible Nonlinearly Elastic Materials with Limiting Chain Extensibility. Journal of Elasticity, 2004, 77, 123-138.	0.9	80
25	The importance of the second strain invariant in the constitutive modeling of elastomers and soft biomaterials. Mechanics of Materials, 2012, 51, 43-52.	1.7	78
26	On Saint-Venant's principle in plane anisotropic elasticity. Journal of Elasticity, 1972, 2, 169-180.	0.9	74
27	Saint-Venant End Effects In Composites. Journal of Composite Materials, 1982, 16, 411-422.	1.2	72
28	Saint-Venant end effects in composite structures. Composites Part B: Engineering, 1994, 4, 279-286.	0.6	70
29	Finite thermoelasticity with limiting chain extensibility. Journal of the Mechanics and Physics of Solids, 2003, 51, 1127-1146.	2.3	70
30	The finite deformation of internally pressurized hollow cylinders and spheres for a class of compressible elastic materials. International Journal of Solids and Structures, 1986, 22, 1557-1570.	1.3	67
31	Torsin of Functionally Graded Isotropic Linearly Elastic Bars. Journal of Elasticity, 1998, 52, 181-199.	0.9	67
32	Antiplane Shear Deformations for Homogeneous and Inhomogeneous Anisotropic Linearly Elastic Solids. Journal of Applied Mechanics, Transactions ASME, 1994, 61, 23-29.	1.1	66
33	Spatial behaviour of solutions of the dual-phase-lag heat equation. Mathematical Methods in the Applied Sciences, 2005, 28, 43-57.	1.2	62
34	Remarks on ellipticity for the generalized Blatz-Ko constitutive model for a compressible nonlinearly elastic solid. Journal of Elasticity, 1996, 42, 165-176.	0.9	61
35	Some remarks on Saint-Venant's principle for transversely isotropic composites. Journal of Elasticity, 1972, 2, 335-339.	0.9	59
36	Finite strain solutions for a compressible elastic solid. Quarterly of Applied Mathematics, 1990, 48, 767-780.	0.5	58

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37	Saint-Venant end effects for plane deformation of sandwich strips. International Journal of Solids and Structures, 1978, 14, 187-195.	1.3	56
38	Void nucleation and growth for a class of incompressible nonlinearly elastic materials. International Journal of Solids and Structures, 1989, 25, 1239-1254.	1.3	53
39	Simple Shearing of Incompressible and Slightly Compressible Isotropic Nonlinearly Elastic Materials. Journal of Elasticity, 2010, 98, 205-221.	0.9	53
40	Spatial decay of transient end effects in functionally graded heat conducting materials. Quarterly of Applied Mathematics, 2001, 59, 529-542.	0.5	52
41	Void nucleation and growth for compressible non-linearly elastic materials: An example. International Journal of Solids and Structures, 1992, 29, 279-291.	1.3	51
42	The pressurized hollow sphere problem in finite elastostatics for a class of compressible materials. International Journal of Solids and Structures, 1984, 20, 715-723.	1.3	50
43	The axisymmetric end problem for transversely isotropic circular cylinders. International Journal of Solids and Structures, 1974, 10, 837-852.	1.3	47
44	Void nucleation in tensile dead-loading of a composite incompressible nonlinearly elastic sphere. Journal of Elasticity, 1989, 21, 61-82.	0.9	46
45	Effects of curvilinear anisotropy on radially symmetric stresses in anisotropic linearly elastic solids. Journal of Elasticity, 1996, 42, 31-48.	0.9	45
46	Decay estimates for second-order quasilinear partial differential equations. Advances in Applied Mathematics, 1984, 5, 309-332.	0.4	44
47	Pure torsion of compressible non-linearly elastic circular cylinders. Quarterly of Applied Mathematics, 1991, 49, 591-607.	0.5	44
48	On Extension and Torsion of Strain-Stiffening Rubber-Like Elastic Circular Cylinders. Journal of Elasticity, 2008, 93, 39-61.	0.9	44
49	Poynting and reverse Poynting effects in soft materials. Soft Matter, 2017, 13, 4916-4923.	1.2	44
50	Axisymmetric finite anti-plane shear of compressible nonlinearly elastic circular tubes. Quarterly of Applied Mathematics, 1992, 50, 323-341.	0.5	42
51	On the volumetric part of strain-energy functions used in the constitutive modeling of slightly compressible solid rubbers. International Journal of Solids and Structures, 2009, 46, 3078-3085.	1.3	42
52	The effect of nonlinearity on a principle of Saint-Venant type. Journal of Elasticity, 1981, 11, 271-291.	0.9	41
53	VIBRATION OF INHOMOGENEOUS STRINGS, RODS AND MEMBRANES. Journal of Sound and Vibration, 1999, 225, 503-513.	2.1	41
54	Simple shearing of soft biological tissues. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 760-777.	1.0	41

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55	Plane entry flows and energy estimates for the navier-stokes equations. Archive for Rational Mechanics and Analysis, 1978, 68, 359-381.	1.1	40
56	Strain energy density bounds for linear anisotropic elastic materials. Journal of Elasticity, 1993, 30, 191-196.	0.9	39
57	Cavitation in nonlinear elastodynamics for neo-Hookean materials. International Journal of Engineering Science, 1989, 27, 967-973.	2.7	38
58	Dominant negative Poynting effect in simple shearing of soft tissues. Journal of Engineering Mathematics, 2015, 95, 87-98.	0.6	38
59	On the exponential decay of stresses in circular elastic cylinders subject to axisymmetric self-equilibrated end loads. International Journal of Solids and Structures, 1969, 5, 33-50.	1.3	37
60	On the asymptotic behavior of solutions of linear second-order boundary-value problems on a semi-infinite strip. Archive for Rational Mechanics and Analysis, 1993, 124, 277-303.	1.1	37
61	Pure azimuthal shear of compressible non-linearly elastic circular tubes. Quarterly of Applied Mathematics, 1994, 52, 113-131.	0.5	37
62	Saint-Venant's Principle for Antiplane Shear Deformations of Linear Piezoelectric Materials. SIAM Journal on Applied Mathematics, 2002, 62, 2027-2044.	0.8	37
63	Cavity Formation at the Center of a Composite Incompressible Nonlinearly Elastic Sphere. Journal of Applied Mechanics, Transactions ASME, 1989, 56, 302-308.	1.1	36
64	Initiation of localized plane deformations at a circular cavity in an infinite compressible nonlinearly elastic medium. Journal of Elasticity, 1985, 15, 243-256.	0.9	35
65	Asymptotic analysis of an end-loaded, transversely isotropic, elastic, semi-infinite strip weak in shear. International Journal of Solids and Structures, 1991, 27, 1895-1914.	1.3	35
66	Limiting Chain Extensibility Constitutive Models of Valanisâ€“Landel Type. Journal of Elasticity, 2007, 86, 101-111.	0.9	34
67	A generalization of Henckyâ€™s strain-energy density to model the large deformations of slightly compressible solid rubbers. Mechanics of Materials, 2009, 41, 943-950.	1.7	34
68	Plane strain bending of strain-stiffening rubber-like rectangular beams. International Journal of Solids and Structures, 2008, 45, 1713-1729.	1.3	33
69	A note on a bifurcation problem in finite plasticity related to void nucleation. International Journal of Solids and Structures, 1987, 23, 983-988.	1.3	32
70	Decay Estimates for a Class of Nonlinear Boundary Value Problems in Two Dimensions. SIAM Journal on Mathematical Analysis, 1989, 20, 782-788.	0.9	31
71	Phragmï¿½n-lindelï¿½f type results for harmonic functions with nonlinear boundary conditions. Archive for Rational Mechanics and Analysis, 1993, 122, 123-144.	1.1	31
72	Anti-plane shear deformations for non-Gaussian isotropic, incompressible hyperelastic materials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2001, 457, 1999-2017.	1.0	31

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73	The Stress Response of Radially Polarized Rotating Piezoelectric Cylinders. Journal of Applied Mechanics, Transactions ASME, 2003, 70, 426-435.	1.1	31
74	Compression tests and constitutive models for the slight compressibility of elastic rubber-like materials. International Journal of Engineering Science, 2009, 47, 1232-1239.	2.7	31
75	Decay estimates for the biharmonic equation with applications to Saint-Venant principles in plane elasticity and Stokes flows. Quarterly of Applied Mathematics, 1989, 47, 147-157.	0.5	31
76	Equilibrium Solutions for Compressible Nonlinearly Elastic Materials. , 2001, , 135-159.		30
77	Pure azimuthal shear of isotropic, incompressible hyperelastic materials with limiting chain extensibility. International Journal of Non-Linear Mechanics, 2001, 36, 465-475.	1.4	30
78	Constitutive modeling and the trousers test for fracture of rubber-like materials. Journal of the Mechanics and Physics of Solids, 2005, 53, 545-564.	2.3	29
79	Exponential decay of end effects in anti-plane shear for functionally graded piezoelectric materials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2004, 460, 1193-1212.	1.0	28
80	A note on a class of generalized neo-Hookean models for isotropic incompressible hyperelastic materials. International Journal of Non-Linear Mechanics, 2021, 129, 103665.	1.4	28
81	Eigenvalue problems associated with Korn's inequalities. Archive for Rational Mechanics and Analysis, 1971, 40, 384-402.	1.1	27
82	Bounds on natural frequencies of composite circular membranes: Integral equation methods. Journal of Sound and Vibration, 1983, 87, 71-81.	2.1	27
83	The finite deformation of a pressurized circular tube for a class of compressible materials. Zeitschrift Fur Angewandte Mathematik Und Physik, 1984, 35, 227-246.	0.7	27
84	Decay estimates for a class of second-order quasilinear equations in three dimensions. Archive for Rational Mechanics and Analysis, 1984, 86, 279-289.	1.1	27
85	End effects for plane deformations of an elastic anisotropic semi-infinite strip. Journal of Elasticity, 1995, 38, 261-316.	0.9	27
86	End Effects in Anti-plane Shear for an Inhomogeneous Isotropic Linearly Elastic Semi-infinite Strip. Journal of Elasticity, 1998, 51, 227-242.	0.9	27
87	Mechanical restrictions on biological responses by adherent cells within collagen gels. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 14, 216-226.	1.5	27
88	Reverse Poynting Effects in the Torsion of Soft Biomaterials. Journal of Elasticity, 2015, 118, 127-140.	0.9	27
89	Saint-Venant Decay Rates for an Isotropic Inhomogeneous Linearly Elastic Solid in Anti-Plane Shear. Journal of Elasticity, 1997, 48, 145-166.	0.9	26
90	Saint-Venant End Effects in Antiplane Shear for Functionally Graded Linearly Elastic Materials. Mathematics and Mechanics of Solids, 2001, 6, 115-132.	1.5	26

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91	On the torsion of functionally graded anisotropic linearly elastic bars. IMA Journal of Applied Mathematics, 2007, 72, 556-562.	0.8	24
92	Constitutive Models for Almost Incompressible Isotropic Elastic Rubber-like Materials. Journal of Elasticity, 2007, 87, 133-146.	0.9	24
93	Torsion of Incompressible Fiber-Reinforced Nonlinearly Elastic Circular Cylinders. Journal of Elasticity, 2011, 103, 235-246.	0.9	24
94	On the Modeling of Extension-Torsion Experimental Data for Transversely Isotropic Biological Soft Tissues. Journal of Elasticity, 2012, 108, 179-191.	0.9	24
95	Finite extension and torsion of fiber-reinforced non-linearly elastic circular cylinders. International Journal of Non-Linear Mechanics, 2012, 47, 97-104.	1.4	24
96	Further analysis of end effects for plane deformations of sandwich strips. International Journal of Solids and Structures, 1996, 33, 4327-4336.	1.3	23
97	Title is missing!. Journal of Elasticity, 1999, 57, 307-319.	0.9	23
98	Large Deformations of a Rotating Solid Cylinder for Non-Gaussian Isotropic, Incompressible Hyperelastic Materials. Journal of Applied Mechanics, Transactions ASME, 2001, 68, 115-117.	1.1	23
99	Eigenvalue estimates and the Trace Theorem. Journal of Mathematical Analysis and Applications, 1979, 69, 231-242.	0.5	22
100	End effects for anti-plane shear deformations of sandwich structures. Journal of Elasticity, 1995, 40, 123-164.	0.9	22
101	Extension and torsion of rubber-like hollow and solid circular cylinders for incompressible isotropic hyperelastic materials with limiting chain extensibility. European Journal of Mechanics, A/Solids, 2022, 92, 104443.	2.1	22
102	Exponential decay estimates for second-order quasi-linear elliptic equations. Journal of Mathematical Analysis and Applications, 1977, 59, 267-277.	0.5	21
103	Exponential decay estimates for solutions of the von kï¿½rmï¿½n equations on a semi-infinite strip. Archive for Rational Mechanics and Analysis, 1988, 104, 1-25.	1.1	21
104	End effects in multilayered orthotropic strips with imperfect bonding. Mechanics of Materials, 1997, 26, 23-34.	1.7	21
105	Saint-Venant end effects for plane deformations of linear piezoelectric solids. International Journal of Solids and Structures, 2006, 43, 943-956.	1.3	21
106	Spatial decay estimates for the heat equation via the maximum principle. Zeitschrift Fur Angewandte Mathematik Und Physik, 1976, 27, 371-376.	0.7	20
107	Integral bounds for solutions of nonlinear reaction-diffusion equations. Zeitschrift Fur Angewandte Mathematik Und Physik, 1977, 28, 197-204.	0.7	20
108	SAINT-VENANTEND EFFECTS FOR PLANE DEFORMATIONS OF ELASTIC COMPOSITES. Mechanics of Advanced Materials and Structures, 1995, 2, 203-214.	0.4	20

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109	Constitutive modeling for moderate deformations of slightly compressible rubber. Journal of Rheology, 2009, 53, 153-168.	1.3	20
110	On the Normal Stresses in Simple Shearing ofÂFiber-Reinforced Nonlinearly Elastic Materials. Journal of Elasticity, 2011, 104, 343-355.	0.9	20
111	On the domain of attraction for steady states in heat conduction. International Journal of Engineering Science, 1976, 14, 143-148.	2.7	19
112	The Eigenvalues for a Self-Equilibrated, Semi-Infinite, Anisotropic Elastic Strip. Journal of Applied Mechanics, Transactions ASME, 1993, 60, 276-281.	1.1	19
113	A note on the pure torsion of a circular cylinder for a compressible nonlinearly elastic material with nonconvex strain-energy. Journal of Elasticity, 1995, 37, 167-178.	0.9	19
114	A Two-Point Boundary-Value Problem for the Axial Shear of Hardening Isotropic Incompressible Nonlinearly Elastic Materials. SIAM Journal on Applied Mathematics, 2002, 62, 1712-1727.	0.8	19
115	Bounds on eigenvalues of Sturm-Liouville problems with discontinuous coefficients. Zeitschrift Fur Angewandte Mathematik Und Physik, 1979, 30, 77-86.	0.7	18
116	On Saint-Venant's principle in finite anti-plane shear: An energy approach. Archive for Rational Mechanics and Analysis, 1990, 109, 107-137.	1.1	18
117	DECAY ESTIMATES FOR BOUNDARY-VALUE PROBLEMS IN LINEAR AND NONLINEAR CONTINUUM MECHANICS. Series on Advances in Mathematics for Applied Sciences, 1996, , 47-89.	0.0	18
118	Internally Pressurized Radially Polarized Piezoelectric Cylinders. Journal of Elasticity, 2002, 66, 257-272.	0.9	18
119	A three-parameter structurally motivated robust constitutive model for isotropic incompressible unfilled and filled rubber-like materials. European Journal of Mechanics, A/Solids, 2022, 95, 104605.	2.1	18
120	Exponential decay estimates for a class of nonlinear Dirichlet problems. Archive for Rational Mechanics and Analysis, 1979, 71, 221-235.	1.1	17
121	Superposition of Generalized Plane Strain on Anti-Plane Shear Deformations in Isotropic Incompressible Hyperelastic Materials. Journal of Elasticity, 2003, 73, 221-235.	0.9	17
122	Fiber orientation effects in simple shearing of fibrous soft tissues. Journal of Biomechanics, 2017, 64, 131-135.	0.9	17
123	On Modelling Simple Shear for Isotropic Incompressible Rubber-Like Materials. Journal of Elasticity, 2021, 147, 83-111.	0.9	17
124	Inequalities of Korn and Friedrichs in elasticity and potential theory. Zeitschrift Fur Angewandte Mathematik Und Physik, 1975, 26, 155-164.	0.7	16
125	On Kornâ€™s Inequality for Incompressible Media. SIAM Journal on Applied Mathematics, 1975, 28, 419-430.	0.8	15
126	On the asymptotic behavior of solutions of inhomogeneous second-order quasilinear partial differential equations. Quarterly of Applied Mathematics, 1989, 47, 753-771.	0.5	15

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127	On the Dirichlet problem for incompressible elastic materials. Journal of Elasticity, 1974, 4, 17-25.	0.9	14
128	Stability and uniqueness for a turbulence model of Burgers. Quarterly of Applied Mathematics, 1978, 36, 121-127.	0.5	14
129	Anti-plane shear deformations of anisotropic sandwich structures: End effects. International Journal of Solids and Structures, 1997, 34, 79-98.	1.3	14
130	Some unexpected behaviour in shear for elasticity models of arterial tissue that only use the I1, I4, I6 invariants. IMA Journal of Applied Mathematics, 2014, 79, 820-829.	0.8	14
131	A note on the spatial decay of a three-dimensional minimal surface over a semi-infinite cylinder. Journal of Mathematical Analysis and Applications, 1985, 107, 285-290.	0.5	13
132	On the asymptotic behavior of a minimal surface over a semi-infinite strip. Journal of Mathematical Analysis and Applications, 1990, 153, 397-406.	0.5	13
133	Title is missing!. Journal of Elasticity, 1997, 46, 43-52.	0.9	13
134	ASSESSMENT OF A NEW ISOTROPIC HYPERELASTIC CONSTITUTIVE MODEL FOR A RANGE OF RUBBERLIKE MATERIALS AND DEFORMATIONS. Rubber Chemistry and Technology, 2022, 95, 200-217.	0.6	13
135	Saint-Venant End Effects in Anti-plane Shear for Classes of Linear Piezoelectric Materials. Journal of Elasticity, 2001, 64, 217-236.	0.9	12
136	End effects for pre-stressed and pre-polarized piezoelectric solids in anti-plane shear. Zeitschrift Fur Angewandte Mathematik Und Physik, 2003, 54, 797-806.	0.7	12
137	A Lie Group Analysis of the Axisymmetric Equations of Finite Elastostatics for Compressible Materials. Mathematics and Mechanics of Solids, 2005, 10, 311-333.	1.5	12
138	The trousers test for tearing of soft biomaterials. International Journal of Solids and Structures, 2012, 49, 161-169.	1.3	12
139	The counterintuitive out-of-plane strength of some incompressible orthotropic hyperelastic materials. International Journal of Solids and Structures, 2017, 115-116, 170-179.	1.3	12
140	A two-dimensional Saint-Venant principle for second-order linear elliptic equations. Quarterly of Applied Mathematics, 1976, 34, 257-270.	0.5	12
141	Finite anti-plane shear of a semi-infinite strip subject to a self-equilibrated end traction. Quarterly of Applied Mathematics, 1983, 40, 407-417.	0.5	11
142	A saint-venant principle for the gradient in the Neumann problem. Zeitschrift Fur Angewandte Mathematik Und Physik, 1975, 26, 141-153.	0.7	10
143	Upper and lower bounds for the shear stress in the Saint-Venant theory of flexure. Journal of Elasticity, 1976, 6, 383-403.	0.9	10
144	Lower bounds for eigenvalues of Sturm-Liouville problems with discontinuous coefficients: integral equation methods. Quarterly of Applied Mathematics, 1982, 39, 455-465.	0.5	10

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145	Bounds on stress concentration factors in finite anti-plane shear. Journal of Elasticity, 1983, 13, 49-61.	0.9	10
146	The Effects of Compressibility on Inhomogeneous Deformations for a Class of Almost Incompressible Isotropic Nonlinearly Elastic Materials. Journal of Elasticity, 2007, 88, 207-221.	0.9	10
147	Extension or Compression Induced Twisting in Fiber-Reinforced Nonlinearly Elastic Circular Cylinders. Journal of Elasticity, 2016, 125, 73-85.	0.9	10
148	A Saint-Venant principle for a theory of nonlinear plane elasticity. Quarterly of Applied Mathematics, 1992, 50, 641-675.	0.5	10
149	ON THE DISPLACEMENT BOUNDARY-VALUE PROBLEM FOR INEXTENSIBLE ELASTIC MATERIALS. Quarterly Journal of Mechanics and Applied Mathematics, 1974, 27, 287-297.	0.5	9
150	Maximum principles and pointwise error estimates for torsion of shells of revolution. Journal of Elasticity, 1977, 7, 387-410.	0.9	9
151	Inhomogeneous shearing of strain-stiffening rubber-like hollow circular cylinders. International Journal of Solids and Structures, 2008, 45, 5464-5482.	1.3	9
152	A note on a class of integral inequalities. Mathematical Proceedings of the Cambridge Philosophical Society, 1973, 74, 127-131.	0.3	8
153	Isoperimetric Bounds on the Lowest Nonzero Stekloff Eigenvalue for Plane Strip Domains. SIAM Journal on Applied Mathematics, 1976, 31, 385-391.	0.8	8
154	Saint-Venant End Effects for Incremental Plane Deformations of Incompressible Nonlinearly Elastic Materials. Journal of Applied Mechanics, Transactions ASME, 1985, 52, 847-852.	1.1	8
155	Title is missing!. Journal of Elasticity, 1998, 50, 227-244.	0.9	8
156	Magic angles and fibre stretch in arterial tissue: Insights from the linear theory. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 88, 470-477.	1.5	8
157	On the tension-compression switch hypothesis in arterial mechanics. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 103, 103558.	1.5	8
158	Incompressible Transversely Isotropic Hyperelastic Materials and Their Linearized Counterparts. Journal of Elasticity, 2021, 143, 187-194.	0.9	8
159	The effect of fiber-matrix interaction on the Poynting effect for torsion of fibrous soft biomaterials. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 118, 104410.	1.5	8
160	On the strain-energy density in linear elasticity. Journal of Engineering Mathematics, 1973, 7, 231-234.	0.6	7
161	On mixed boundary-value problems for inextensible elastic materials. Zeitschrift Fur Angewandte Mathematik Und Physik, 1975, 26, 261-272.	0.7	7
162	Harmonic Waves in Layered Composites: New Bounds on Eigenfrequencies. Journal of Applied Mechanics, Transactions ASME, 1978, 45, 829-833.	1.1	7

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163	Spatial Decay Estimates for a Class of Second-Order Quasilinear Elliptic Partial Differential Equations Arising in Anisotropic Nonlinear Elasticity. Mathematics and Mechanics of Solids, 1996, 1, 411-423.	1.5	7
164	Saint-Venant End Effects for Anisotropic Materials. , 2000, , 5-21.		7
165	Lie group analysis and plane strain bending of cylindrical sectors for compressible nonlinearly elastic materials. IMA Journal of Applied Mathematics, 2004, 70, 80-91.	0.8	7
166	Plane Strain Bending of Cylindrical Sectors of Admissible Compressible Hyperelastic Materials. Journal of Elasticity, 2005, 81, 129-151.	0.9	7
167	A BOUNDARY-LAYER APPROACH TO STRESS ANALYSIS IN THE SIMPLE SHEARING OF RUBBER BLOCKS. Rubber Chemistry and Technology, 2012, 85, 108-119.	0.6	7
168	Magic angles for fibrous incompressible elastic materials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170728.	1.0	7
169	On the Fiber Stretch in Shearing Deformations of Fibrous Soft Materials. Journal of Elasticity, 2018, 133, 253-259.	0.9	7
170	7.3 Saint-Venant End Effects for Anisotropic Materials. , 2018, , 38-55.		7
171	The complex mechanical response of anisotropic materials in simple experiments. International Journal of Non-Linear Mechanics, 2018, 106, 274-279.	1.4	7
172	The effect of constitutive law perturbations on finite antiplane shear deformations of a semi-infinite strip. Quarterly of Applied Mathematics, 1993, 51, 441-465.	0.5	7
173	A note on the displacement boundary-value problem of linearized elastodynamics. Journal of Elasticity, 1972, 2, 357-360.	0.9	6
174	Conservation properties for plane deformations of isotropic and anisotropic linearly elastic strips. Journal of Elasticity, 1993, 33, 311-318.	0.9	6
175	Spatial decay of transient end effects for nonstandard linear diffusion problems. IMA Journal of Applied Mathematics, 2004, 70, 119-128.	0.8	6
176	New constitutive models for the finite deformation of isotropic compressible elastomers. Mechanics of Materials, 2022, 172, 104403.	1.7	6
177	Maximum principles and bounds on stress concentration factors in the torsion of grooved shafts of revolution. Journal of Elasticity, 1982, 12, 281-291.	0.9	5
178	Stress concentration factors in finite anti-plane shear: numerical calculations and analytical estimates. Journal of Elasticity, 1987, 18, 83-91.	0.9	5
179	A semi-inverse shape optimization problem in linear anti-plane shear. Journal of Elasticity, 1996, 45, 53-60.	0.9	5
180	Kinking Instability in the Torsion of Stretched Anisotropic Elastomeric Filaments. Journal of Elasticity, 2016, 122, 197-209.	0.9	5

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181	Some unexpected predictions from strongly anisotropic hyperelastic constitutive models of soft tissue. Mechanics of Soft Materials, 2020, 2, 1.	0.4	5
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