

Andrew N Norris

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1233939/publications.pdf>

Version: 2024-02-01

221
papers

7,637
citations

61984

43
h-index

64796

79
g-index

234
all docs

234
docs citations

234
times ranked

3822
citing authors

#	ARTICLE	IF	CITATIONS
1	A differential scheme for the effective moduli of composites. <i>Mechanics of Materials</i> , 1985, 4, 1-16.	3.2	666
2	Acoustic cloaking theory. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008, 464, 2411-2434.	2.1	492
3	Nonreciprocity in acoustic and elastic materials. <i>Nature Reviews Materials</i> , 2020, 5, 667-685.	48.7	243
4	Low-frequency dispersion and attenuation in partially saturated rocks. <i>Journal of the Acoustical Society of America</i> , 1993, 94, 359-370.	1.1	229
5	Elastic cloaking theory. <i>Wave Motion</i> , 2011, 48, 525-538.	2.0	200
6	The Closest Elastic Tensor of Arbitrary Symmetry to an Elasticity Tensor of Lower Symmetry. <i>Journal of Elasticity</i> , 2006, 85, 215-263.	1.9	193
7	Modulated phononic crystals: Non-reciprocal wave propagation and Willis materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 101, 10-29.	4.8	192
8	Acoustic metafluids. <i>Journal of the Acoustical Society of America</i> , 2009, 125, 839-849.	1.1	173
9	Radiation from a point source and scattering theory in a fluid-saturated porous solid. <i>Journal of the Acoustical Society of America</i> , 1985, 77, 2012-2023.	1.1	159
10	Particle granular temperature in gas fluidized beds. <i>Powder Technology</i> , 1996, 87, 211-232.	4.2	151
11	Scattering of flexural waves on thin plates. <i>Journal of Sound and Vibration</i> , 1995, 181, 115-125.	3.9	144
12	A generalized differential effective medium theory. <i>Journal of the Mechanics and Physics of Solids</i> , 1985, 33, 525-543.	4.8	123
13	Effective-medium theories for two-phase dielectric media. <i>Journal of Applied Physics</i> , 1985, 57, 1990-1996.	2.5	118
14	Borehole flexural modes in anisotropic formations. <i>Geophysics</i> , 1994, 59, 1037-1052.	2.6	105
15	On the correspondence between poroelasticity and thermoelasticity. <i>Journal of Applied Physics</i> , 1992, 71, 1138-1141.	2.5	102
16	Analytical formulation of three-dimensional dynamic homogenization for periodic elastic systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012, 468, 1629-1651.	2.1	98
17	Elastic metasurfaces for splitting SV- and P-waves in elastic solids. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	98
18	Nonreciprocal Wave Propagation in a Continuum-Based Metamaterial with Space-Time Modulated Resonators. <i>Physical Review Applied</i> , 2019, 11, .	3.8	97

#	ARTICLE	IF	CITATIONS
19	Acoustic radiation from a circular pipe with an infinite flange. <i>Journal of Sound and Vibration</i> , 1989, 135, 85-93.	3.9	93
20	Poisson's ratio in cubic materials. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 3385-3405.	2.1	93
21	Negative refraction of acoustic waves using a foam-like metallic structure. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	92
22	Broadband focusing of underwater sound using a transparent pentamode lens. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 4408-4417.	1.1	85
23	Approximation formulae for the acoustic radiation impedance of a cylindrical pipe. <i>Journal of Sound and Vibration</i> , 2009, 322, 255-263.	3.9	78
24	Acoustoelasticity of solid/fluid composite systems. <i>Geophysical Journal International</i> , 1994, 118, 439-446.	2.4	76
25	Weak elastic anisotropy and the tube wave. <i>Geophysics</i> , 1993, 58, 1091-1098.	2.6	75
26	Flexural wave propagation and scattering on thin plates using Mindlin theory. <i>Wave Motion</i> , 1997, 26, 1-12.	2.0	75
27	The Malyuzhinets theory for scattering from wedge boundaries: a review. <i>Wave Motion</i> , 1999, 29, 313-340.	2.0	71
28	Special transformations for pentamode acoustic cloaking. <i>Journal of the Acoustical Society of America</i> , 2012, 132, 2932-2941.	1.1	71
29	Stoneley wave attenuation and dispersion in permeable formations. <i>Geophysics</i> , 1989, 54, 330-341.	2.6	70
30	The isotropic material closest to a given anisotropic material. <i>Journal of Mechanics of Materials and Structures</i> , 2006, 1, 223-238.	0.6	69
31	Hyperelastic cloaking theory: transformation elasticity with pre-stressed solids. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012, 468, 2881-2903.	2.1	67
32	Employing pre-stress to generate finite cloaks for antiplane elastic waves. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	63
33	A theory of pulse propagation in anisotropic elastic solids. <i>Wave Motion</i> , 1987, 9, 509-532.	2.0	62
34	Focusing, refraction, and asymmetric transmission of elastic waves in solid metamaterials with aligned parallel gaps. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 3386-3394.	1.1	57
35	Shear wave scattering from a debonded fibre. <i>Journal of the Mechanics and Physics of Solids</i> , 1991, 39, 273-294.	4.8	54
36	Flexural Edge Waves. <i>Journal of Sound and Vibration</i> , 1994, 171, 571-573.	3.9	54

#	ARTICLE	IF	CITATIONS
37	Flexural edge waves and Comments on "A new bending wave solution for the classical plate equation" [J. Acoust. Soc. Am.104, 2220-2222 (1998)]. Journal of the Acoustical Society of America, 2000, 107, 1781-1784.	1.1	53
38	Comment on "Method to analyze electromechanical stability of dielectric elastomers" [Appl. Phys. Lett. 91, 061921 (2007)]. Applied Physics Letters, 2008, 92, .	3.3	51
39	Effective wavenumbers and reflection coefficients for an elastic medium containing random configurations of cylindrical scatterers. Wave Motion, 2010, 47, 183-197.	2.0	49
40	ON THE ACOUSTIC DETERMINATION OF THE ELASTIC MODULI OF ANISOTROPIC SOLIDS AND ACOUSTIC CONDITIONS FOR THE EXISTENCE OF SYMMETRY PLANES. Quarterly Journal of Mechanics and Applied Mathematics, 1989, 42, 413-426.	1.3	47
41	Physical Observation of a Robust Acoustic Pumping in Waveguides with Dynamic Boundary. Physical Review Letters, 2020, 125, 253901.	7.8	47
42	Effective Willis constitutive equations for periodically stratified anisotropic elastic media. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 1749-1769.	2.1	44
43	Effective wave numbers for thermo-viscoelastic media containing random configurations of spherical scatterers. Journal of the Acoustical Society of America, 2012, 131, 1113-1120.	1.1	44
44	Third-order elastic constants for an inviscid fluid. Journal of the Acoustical Society of America, 1993, 94, 3014-3017.	1.1	43
45	Cytotoxic Sesquiterpene Lactones from Vernonia pachyclada from the Madagascar Rainforest 1. Journal of Natural Products, 2005, 68, 1371-1374.	3.0	43
46	Elastic moduli approximation of higher symmetry for the acoustical properties of an anisotropic material. Journal of the Acoustical Society of America, 2006, 119, 2114-2121.	1.1	43
47	Observation of bending wave localization and quasi mobility edge in two dimensions. Physical Review Letters, 1992, 69, 3080-3083.	7.8	42
48	ELASTIC WAVE DIFFRACTION BY A SEMI-INFINITE CRACK IN A TRANSVERSELY ISOTROPIC MATERIAL. Quarterly Journal of Mechanics and Applied Mathematics, 1984, 37, 565-580.	1.3	41
49	The speed of a wave along a fluid/solid interface in the presence of anisotropy and prestress. Journal of the Acoustical Society of America, 1995, 98, 1147-1154.	1.1	40
50	Mechanics of elastic networks. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20140522.	2.1	40
51	Propagation of plane waves in a prestressed elastic medium. Journal of the Acoustical Society of America, 1983, 74, 1642-1643.	1.1	37
52	Acoustic coupling to membrane waves on elastic shells. Journal of the Acoustical Society of America, 1994, 95, 1809-1829.	1.1	37
53	Non-reciprocal flexural wave propagation in a modulated metabeam. Extreme Mechanics Letters, 2017, 15, 97-102.	4.1	37
54	Exact complex source representations of time-harmonic radiation. Wave Motion, 1997, 25, 127-141.	2.0	36

#	ARTICLE	IF	CITATIONS
55	Symmetry conditions for third order elastic moduli and implications in nonlinear wave theory. Journal of Elasticity, 1991, 25, 247-257.	1.9	35
56	Wave Impedance Matrices for Cylindrically Anisotropic Radially Inhomogeneous Elastic Solids. Quarterly Journal of Mechanics and Applied Mathematics, 2010, 63, 401-435.	1.3	35
57	On the existence of flexural edge waves on thin orthotropic plates. Journal of the Acoustical Society of America, 2002, 112, 1756-1765.	1.1	34
58	Inverse Grating Problem: Efficient Design of Anomalous Flexural Wave Reflectors and Refractors. Physical Review Applied, 2019, 11, .	3.8	33
59	Waves in Periodically Layered Media: A Comparison of Two Theories. SIAM Journal on Applied Mathematics, 1993, 53, 1195-1209.	1.8	32
60	Cytotoxic Diterpenes from <i>Cassipourea madagascariensis</i> from the Madagascar Rainforest 1. Journal of Natural Products, 2006, 69, 287-289.	3.0	31
61	Nonlinear shear wave interaction at a frictional interface: Energy dissipation and generation of harmonics. Journal of the Acoustical Society of America, 2011, 130, 1820-1828.	1.1	30
62	ATTENUATION OF WAVES IN PLATES AND BARS USING A GRADED IMPEDANCE INTERFACE AT EDGES. Journal of Sound and Vibration, 1996, 196, 107-127.	3.9	29
63	Far-field analysis of the Malyuzhinets solution for plane and surface waves diffraction by an impedance wedge. Wave Motion, 1999, 30, 69-89.	2.0	29
64	Flexural waves on narrow plates. Journal of the Acoustical Society of America, 2003, 113, 2647-2658.	1.1	29
65	Source amplitudes for active exterior cloaking. Inverse Problems, 2012, 28, 105002.	2.0	29
66	A direct inverse scattering method for imaging obstacles with unknown surface conditions. IMA Journal of Applied Mathematics, 1998, 61, 267-290.	1.6	28
67	Cytotoxic Flavanones of <i>Schizolaena hystrix</i> from the Madagascar Rainforest. Journal of Natural Products, 2005, 68, 417-419.	3.0	28
68	Extreme values of Poisson's ratio and other engineering moduli in anisotropic materials. Journal of Mechanics of Materials and Structures, 2006, 1, 793-812.	0.6	28
69	Back reflection of ultrasonic waves from a liquid-solid interface. Journal of the Acoustical Society of America, 1983, 73, 427-434.	1.1	27
70	The mechanical properties of platelet reinforced composites. International Journal of Solids and Structures, 1990, 26, 663-674.	2.7	27
71	Acoustoelasticity theory and applications for fluid-saturated porous media. Journal of the Acoustical Society of America, 1996, 100, 1368-1374.	1.1	27
72	Thermoelastic relaxation in elastic structures, with applications to thin plates. Quarterly Journal of Mechanics and Applied Mathematics, 2005, 58, 143-163.	1.3	27

#	ARTICLE	IF	CITATIONS
73	Dynamics of thermoelastic Thin Plates: A Comparison of Four Theories. Journal of Thermal Stresses, 2006, 29, 169-195.	2.0	27
74	Active elastodynamic cloaking. Mathematics and Mechanics of Solids, 2014, 19, 603-625.	2.4	27
75	Stoneley and flexural modes in pressurized boreholes. Journal of Geophysical Research, 1995, 100, 22375-22381.	3.3	26
76	Optimal orientation of anisotropic solids. Quarterly Journal of Mechanics and Applied Mathematics, 2006, 59, 29-53.	1.3	26
77	Acoustic metafluids made from three acoustic fluids. Journal of the Acoustical Society of America, 2010, 128, 1606-1616.	1.1	26
78	Analytical extension of Finite Element solution for computing the nonlinear far field of ultrasonic waves scattered by a closed crack. Wave Motion, 2016, 66, 132-146.	2.0	26
79	Acoustic scattering by baffled membranes. Journal of the Acoustical Society of America, 1984, 75, 685-694.	1.1	25
80	Elastic Helmholtz resonators. Journal of the Acoustical Society of America, 1993, 93, 617-630.	1.1	25
81	Active cloaking of flexural waves in thin plates. Journal of Sound and Vibration, 2015, 356, 1-19.	3.9	25
82	Exact complex source representations of transient radiation. Wave Motion, 1997, 26, 101-115.	2.0	24
83	Acoustic axes in elasticity. Wave Motion, 2004, 40, 315-328.	2.0	24
84	Multiple scattering by cylinders immersed in fluid: High order approximations for the effective wavenumbers. Journal of the Acoustical Society of America, 2011, 129, 104-113.	1.1	24
85	Elastic wave scattering by rectangular cracks. International Journal of Solids and Structures, 1992, 29, 1549-1565.	2.7	23
86	Waves in stratified viscoelastic media with microstructure. Journal of the Acoustical Society of America, 1993, 94, 2884-2894.	1.1	23
87	The energy of a growing elastic surface. International Journal of Solids and Structures, 1998, 35, 5237-5252.	2.7	23
88	Loss compensation in time-dependent elastic metamaterials. Physical Review B, 2018, 97, .	3.2	23
89	Scattering of elastic waves by spherical inclusions with applications to low frequency wave propagation in composites. International Journal of Engineering Science, 1986, 24, 1271-1282.	5.0	22
90	Elastodynamics of radially inhomogeneous spherically anisotropic elastic materials in the Stroh formalism. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 467-484.	2.1	22

#	ARTICLE	IF	CITATIONS
91	Retrieval method for the bianisotropic polarizability tensor of Willis acoustic scatterers. <i>Physical Review B</i> , 2018, 98, .	3.2	22
92	On the existence of flexural edge waves on submerged elastic plates. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2000, 456, 1559-1582.	2.1	21
93	Introduction to the Special Issue on Acoustic Metamaterials. <i>Journal of the Acoustical Society of America</i> , 2012, 132, 2783-2783.	1.1	20
94	Experimental Realization of Acoustic Bianisotropic Gratings. <i>Physical Review Applied</i> , 2019, 11, .	3.8	20
95	Resonant acoustic scattering from solid targets. <i>Journal of the Acoustical Society of America</i> , 1990, 88, 505-514.	1.1	19
96	CONDITIONS UNDER WHICH THE SLOWNESS SURFACE OF AN ANISOTROPIC ELASTIC MATERIAL IS THE UNION OF ALIGNED ELLIPSOIDS. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 1990, 43, 589-603.	1.3	19
97	Longitudinal wave scattering from a partially bonded fiber. <i>Wave Motion</i> , 1992, 15, 43-59.	2.0	19
98	Euler-Rodrigues and Cayley Formulae for Rotation of Elasticity Tensors. <i>Mathematics and Mechanics of Solids</i> , 2008, 13, 465-498.	2.4	19
99	Acoustic pulse scattering by baffled membranes. <i>Journal of the Acoustical Society of America</i> , 1986, 79, 1-8.	1.1	18
100	Non-Reciprocal Wave Transmission in a Bilinear Spring-Mass System. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2020, 142, .	1.6	18
101	Nonlinear tube waves. <i>Journal of the Acoustical Society of America</i> , 1994, 96, 1829-1843.	1.1	17
102	The tube wave as a Biot slow wave. <i>Geophysics</i> , 1987, 52, 694-696.	2.6	16
103	Acoustic integrated extinction. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150008.	2.1	16
104	A high transmission broadband gradient index lens using elastic shell acoustic metamaterial elements. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 3357-3364.	1.1	16
105	Cytotoxic and Other Compounds from <i>Didymochlaena truncatula</i> from the Madagascar Rain Forest 1. <i>Journal of Natural Products</i> , 2006, 69, 284-286.	3.0	15
106	FaxÅ©n relations in solidsâ€”a generalized approach to particle motion in elasticity and viscoelasticity. <i>Journal of the Acoustical Society of America</i> , 2008, 123, 99-108.	1.1	15
107	Acoustic scattering from an infinitely long cylindrical shell with an internal mass attached by multiple axisymmetrically distributed stiffeners. <i>Journal of Sound and Vibration</i> , 2015, 338, 134-153.	3.9	15
108	Design and characterization of a three-dimensional anisotropic additively manufactured pentamode material. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 168-179.	1.1	15

#	ARTICLE	IF	CITATIONS
109	Dynamic Stress on a Partially Bonded Fiber. Journal of Applied Mechanics, Transactions ASME, 1991, 58, 404-409.	2.2	14
110	Quadratic invariants of elastic moduli. Quarterly Journal of Mechanics and Applied Mathematics, 2007, 60, 367-389.	1.3	14
111	Tunable cylindrical shell as an element in acoustic metamaterial. Journal of the Acoustical Society of America, 2014, 136, 1601-1609.	1.1	14
112	An inequality for longitudinal and transverse wave attenuation coefficients. Journal of the Acoustical Society of America, 2017, 141, 475-479.	1.1	14
113	An "œoptical" theorem for acoustic scattering by baffled flexible surfaces. Journal of Sound and Vibration, 1985, 99, 301-307.	3.9	13
114	Acoustic wave scattering from thin shell structures. Journal of the Acoustical Society of America, 1992, 92, 3320-3336.	1.1	13
115	BENDING-WAVE DIFFRACTION FROM STRIPS AND CRACKS ON THIN PLATES. Quarterly Journal of Mechanics and Applied Mathematics, 1994, 47, 607-627.	1.3	13
116	Impedance of a sphere oscillating in an elastic medium with and without slip. Journal of the Acoustical Society of America, 2006, 119, 2062-2066.	1.1	13
117	The matrix sign function for solving surface wave problems in homogeneous and laterally periodic elastic half-spaces. Wave Motion, 2013, 50, 1239-1250.	2.0	13
118	Non-symmetric flexural wave scattering and one-way extreme absorption. Journal of the Acoustical Society of America, 2019, 146, 873-883.	1.1	13
119	Metaclusters for the Full Control of Mechanical Waves. Physical Review Applied, 2021, 15, .	3.8	13
120	Rays, beams and quasimodes on thin shell structures. Wave Motion, 1995, 21, 127-147.	2.0	12
121	Acoustic and flexural wave scattering from a three-member junction. Journal of the Acoustical Society of America, 1995, 98, 3309-3319.	1.1	12
122	Acoustic multiple scattering using recursive algorithms. Journal of Computational Physics, 2015, 299, 787-803.	3.8	12
123	Nonlinear poroelasticity for a layered medium. Journal of the Acoustical Society of America, 1995, 98, 1138-1146.	1.1	11
124	Rough elastic spheres in contact: Memory effects and the transverse force. Journal of the Mechanics and Physics of Solids, 1997, 45, 1025-1036.	4.8	11
125	Cytotoxic Compounds of Schizolaena hystrix from the Madagascar Rainforest. Planta Medica, 2006, 72, 1235-1238.	1.3	11
126	Evaluation of the effective speed of sound in phononic crystals by the monodromy matrix method (L). Journal of the Acoustical Society of America, 2011, 130, 3553-3557.	1.1	11

#	ARTICLE	IF	CITATIONS
127	Integral identities for reflection, transmission, and scattering coefficients. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 2109-2115.	1.1	11
128	The Gradient of Total Multiple Scattering Cross-Section and Its Application to Acoustic Cloaking. <i>Journal of Theoretical and Computational Acoustics</i> , 2020, 28, 1950016.	1.1	11
129	One-component surface waves in materials with symmetry. <i>Journal of the Mechanics and Physics of Solids</i> , 1992, 40, 1569-1582.	4.8	10
130	Eulerian conjugate stress and strain. <i>Journal of Mechanics of Materials and Structures</i> , 2008, 3, 243-260.	0.6	10
131	Stable methods to solve the impedance matrix for radially inhomogeneous cylindrically anisotropic structures. <i>Journal of Sound and Vibration</i> , 2013, 332, 2520-2531.	3.9	10
132	Acoustic Poisson-like effect in periodic structures. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 3353-3356.	1.1	10
133	The electromomentum effect in piezoelectric Willis scatterers. <i>Wave Motion</i> , 2021, 106, 102797.	2.0	10
134	Elastic Gaussian wave packets in isotropic media. <i>Acta Mechanica</i> , 1988, 71, 95-114.	2.1	9
135	Shear wave propagation in a periodically layered medium - an asymptotic theory. <i>Wave Motion</i> , 1992, 16, 33-55.	2.0	9
136	Pure shear axes and elastic strain energy. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2006, 59, 551-561.	1.3	9
137	On the quasistatic effective elastic moduli for elastic waves in three-dimensional phononic crystals. <i>Journal of the Mechanics and Physics of Solids</i> , 2013, 61, 2260-2272.	4.8	9
138	Bounds on the longitudinal and shear wave attenuation ratio of polycrystalline materials. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 2633-2636.	1.1	9
139	Unilateral and nonreciprocal transmission through bilinear spring systems. <i>Extreme Mechanics Letters</i> , 2021, 42, 101087.	4.1	9
140	The influence of beam type on the back reflection of ultrasonic beams from a liquid–solid interface. <i>Journal of the Acoustical Society of America</i> , 1984, 76, 629-631.	1.1	8
141	Scattering by penetrable acoustic targets. <i>Wave Motion</i> , 1984, 6, 501-516.	2.0	8
142	Acoustic reciprocity for fluid–structure problems. <i>Journal of the Acoustical Society of America</i> , 1993, 94, 1714-1715.	1.1	8
143	Waves in cylindrical shells with circumferential submembers: a matrix approach. <i>Journal of Sound and Vibration</i> , 1995, 181, 457-484.	3.9	8
144	Acoustic scattering from fluid-loaded elastic shells: A Gaussian beam approach. <i>Journal of the Acoustical Society of America</i> , 1995, 98, 611-622.	1.1	8

#	ARTICLE	IF	CITATIONS
145	Ray tracing over smooth elastic shells of arbitrary shape. Journal of the Acoustical Society of America, 1996, 99, 55-64.	1.1	8
146	Effective shear speed in two-dimensional phononic crystals. Physical Review B, 2011, 84, .	3.2	8
147	Scattering of flexural waves from a hole in a thin plate with an internal beam. Journal of the Acoustical Society of America, 2015, 137, 293-302.	1.1	8
148	Introduction to the special issue on acoustic metamaterials. Journal of the Acoustical Society of America, 2016, 139, 3239-3239.	1.1	8
149	Acoustic scattering from a fluid cylinder with Willis constitutive properties. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20180571.	2.1	8
150	Static and dynamic non-reciprocity in bi-linear structures. Proceedings of Meetings on Acoustics, 2018, , .	0.3	8
151	Introduction to the special issue on non-reciprocal and topological wave phenomena in acoustics. Journal of the Acoustical Society of America, 2019, 146, 719-720.	1.1	8
152	Benchmarking an acoustic coupling theory for elastic shells of arbitrary shape. Journal of the Acoustical Society of America, 1995, 98, 2368-2371.	1.1	7
153	Structural and acoustical wave interaction at a wedge-shaped junction of fluid-loaded plates. Journal of the Acoustical Society of America, 1997, 101, 867-876.	1.1	7
154	Elastic waves in inhomogeneously oriented anisotropic materials. Wave Motion, 2001, 33, 97-107.	2.0	7
155	Higher derivatives and the inverse derivative of a tensor-valued function of a tensor. Quarterly of Applied Mathematics, 2008, 66, 725-741.	0.7	7
156	Divergence of logarithm of a unimodular monodromy matrix near the edges of the Brillouin zone. Wave Motion, 2010, 47, 370-382.	2.0	7
157	Effective antiplane shear wave speed in 2D periodic piezoelectric crystals. International Journal of Engineering Science, 2015, 88, 29-39.	5.0	7
158	Nonlinear multiple scattering of flexural waves in elastic beams: Frequency conversion and non-reciprocal effects. Journal of Sound and Vibration, 2022, 527, 116859.	3.9	7
159	Anisotropy-induced coupling in borehole acoustic modes. Journal of Geophysical Research, 1996, 101, 15945-15952.	3.3	6
160	Degenerate weakly non-linear elastic plane waves. International Journal of Non-Linear Mechanics, 2009, 44, 486-493.	2.6	6
161	Comment on "Design of acoustic devices with isotropic material via conformal transformation" [Appl. Phys. Lett. 97, 044101 (2010)]. Applied Physics Letters, 2012, 100, 066101.	3.3	6
162	Converging Bounds for the Effective Shear Speed in 2D Phononic Crystals. Journal of Elasticity, 2013, 113, 179-191.	1.9	6

#	ARTICLE	IF	CITATIONS
163	Small-on-Large Theory with Applications to Granular Materials and Fluid/Solid Systems. , 2007, , 27-62.		6
164	Acoustic radiation generated by local excitation of submerged beams and strings. Journal of Sound and Vibration, 1985, 100, 107-121.	3.9	5
165	Acoustic and membrane wave interaction at plate junctions. Journal of the Acoustical Society of America, 1995, 97, 2063-2073.	1.1	5
166	Far-field acoustic holography onto cylindrical surfaces using pressure measured on semicircles. Journal of the Acoustical Society of America, 1997, 102, 2098-2107.	1.1	5
167	Hamiltonian and onsageristic approaches in the nonlinear theory of fluid-permeable elastic continua. International Journal of Engineering Science, 1997, 35, 75-87.	5.0	5
168	Tambouranolide, a new cytotoxic hydroxybutanolide from aTambourissasp. (Monimiaceae). Natural Product Research, 2007, 21, 37-41.	1.8	5
169	Invariants of $C^{sup}1\hat{\cdot}2^{sup}$ in terms of the invariants of C. Journal of Mechanics of Materials and Structures, 2007, 2, 1805-1812.	0.6	5
170	Wavefront singularities associated with the conical point in elastic solids with cubic symmetry. Wave Motion, 2007, 44, 513-527.	2.0	5
171	Spectral properties of a 2D scalar wave equation with 1D periodic coefficients: Application to shear horizontal elastic waves. Mathematics and Mechanics of Solids, 2013, 18, 677-700.	2.4	5
172	Focusing capability of a phononic crystal based on a hollow metallic structure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 1314-1321.	3.0	5
173	Enhanced acoustic transmission through a slanted grating. Comptes Rendus - Mecanique, 2015, 343, 622-634.	2.1	5
174	Static elastic cloaking, low-frequency elastic wave transparency and neutral inclusions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190725.	2.1	5
175	Rayleigh waves excited by the discontinuous advance of a rupture front. Journal of Geophysical Research, 1983, 88, 2233-2239.	3.3	4
176	Static and dynamic axial loading of a partially debonded fiber. Mechanics of Materials, 1991, 11, 163-175.	3.2	4
177	STATIC IMPLICATIONS OF THE EXISTENCE OF A PLANE OF SYMMETRY IN AN ANISOTROPIC ELASTIC SOLID. Quarterly Journal of Mechanics and Applied Mathematics, 1992, 45, 141-147.	1.3	4
178	LINE ADMITTANCE AT THE JUNCTION OF TWO PLATES WITH AND WITHOUT FLUID LOADING. Journal of Sound and Vibration, 1996, 191, 29-51.	3.9	4
179	Stress invariance and redundant moduli in three-dimensional elasticity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1999, 455, 4097-4116.	2.1	4
180	Green's function for symmetric loading of an elastic sphere with application to contact problems. Journal of Mechanics of Materials and Structures, 2012, 7, 701-719.	0.6	4

#	ARTICLE	IF	CITATIONS
181	Nonreciprocal and directional wave propagation in a two-dimensional lattice with bilinear properties. <i>Nonlinear Dynamics</i> , 2021, 106, 2449-2463.	5.2	4
182	E2 and gamma distributions in polygonal networks. <i>Physical Review Research</i> , 2021, 3, .	3.6	4
183	Sound Localization through Multi-Scattering and Gradient-Based Optimization. <i>Mathematics</i> , 2021, 9, 2862.	2.2	4
184	Borehole flexural modes in anisotropic formations. , 1991, , .		3
185	A multiple-scales approach to crack-front waves. <i>Journal of Engineering Mathematics</i> , 2007, 59, 399-417.	1.2	3
186	Stress formulation of elastic wave motion. <i>JASA Express Letters</i> , 2021, 1, .	1.1	3
187	Stress formulation of acoustoelasticity. <i>Wave Motion</i> , 2022, 114, 103002.	2.0	3
188	Acoustic diffraction from the junction of two joined parallel plates. <i>Journal of the Acoustical Society of America</i> , 1996, 99, 1475-1483.	1.1	2
189	Crevice Formation in Thin Plates by Stress Driven Mass Rearrangement. <i>Key Engineering Materials</i> , 1997, 145-149, 151-160.	0.4	2
190	Diffuse wave density and directionality in anisotropic solids. <i>Journal of the Acoustical Society of America</i> , 2008, 123, 1399-1408.	1.1	2
191	Nonlinear evolution equations for degenerate transverse waves in anisotropic elastic solids. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	2
192	Isotropic transformation acoustics and applications. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
193	A Refinement of Mindlin Plate Theory Using Simultaneous Rotary Inertia and Shear Correction Factors. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2018, 140, .	1.6	2
194	Low Frequency Bending Waves in Periodic Plates. <i>Journal of Sound and Vibration</i> , 1994, 169, 485-502.	3.9	1
195	Longitudinal and shear wave diffraction at the junction of two fluid loaded, doubly curved shells. <i>Wave Motion</i> , 1995, 22, 31-46.	2.0	1
196	ON ACOUSTIC INTERACTION BETWEEN TWO THIN ELASTIC PLATES THROUGH AN ANGULAR WELDED JOINT. <i>Journal of Sound and Vibration</i> , 1996, 196, 75-84.	3.9	1
197	Wavefield Representation Using Compact and Directionally Localized Sources. <i>The IMA Volumes in Mathematics and Its Applications</i> , 1997, , 179-196.	0.5	1
198	Passive nonreciprocity-induced directional wave scattering. <i>Extreme Mechanics Letters</i> , 2022, 51, 101600.	4.1	1

#	ARTICLE	IF	CITATIONS
199	Broadband acoustic lens design by reciprocity and optimization. JASA Express Letters, 2022, 2, 024005.	1.1	1
200	An Asymptotic Analysis of Acoustic Scattering by Nearly Rigid or Soft Targets. North-Holland Mathematics Studies, 1984, , 361-372.	0.2	0
201	Effect of porosity on the radiation, propagation, and scattering of waves. , 1984, , .		0
202	A Lagrangian Inequality. SIAM Review, 1989, 31, 318-319.	9.5	0
203	Acoustics of Solids (A. I. Seltzer). SIAM Review, 1990, 32, 180-180.	9.5	0
204	Observation of Elastic Wave Localization. Materials Research Society Symposia Proceedings, 1991, 253, 435.	0.1	0
205	High-frequency nonlinear acoustic beams and wave packets. Journal of the Acoustical Society of America, 1992, 92, 2186-2194.	1.1	0
206	Mid-to-high frequency acoustic scattering and radiation from fluid-loaded structures: Asymptotic techniques. Wave Motion, 1993, 18, 307.	2.0	0
207	Coupling between borehole acoustic modes in anisotropic formations. , 0, , .		0
208	ACOUSTICS AND STABILITY OF FLUID FLOW IN A PERIODIC ELASTIC STRUCTURE. Journal of Fluids and Structures, 1997, 11, 525-533.	3.4	0
209	Equilibrium, stability and evolution of elastic plates under the combined effects of stress and surface diffusion. Quarterly Journal of Mechanics and Applied Mathematics, 1999, 52, 283-309.	1.3	0
210	G.R. Wickham: an appreciation. Wave Motion, 2001, 33, 1-6.	2.0	0
211	Comments on "An analytical study of sound transmission through unbounded panels of functionally graded materials. Journal of Sound and Vibration 330(6) (2011)1153-1165". Journal of Sound and Vibration, 2011, 330, 4945-4946.	3.9	0
212	Negative Index Phononic Crystals Made of Metal Based Microstructure. , 2012, , .		0
213	Thermoelastic logging for rock thermal properties. , 2013, , .		0
214	Elastodynamic cloaking: transformation elasticity with pre-stressed hyperelastic solids. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
215	Space-time modulations of phononic crystals (Conference Presentation). , 2017, , .		0
216	Hyperelastic Cloaking: Transformation Elasticity Using Pre-stressed Solids. World Scientific Series in Nanoscience and Nanotechnology, 2017, , 481-551.	0.1	0

#	ARTICLE	IF	CITATIONS
217	Acoustic Multiple Scattering Using Fast Iterative Techniques. , 2017, , .		0
218	Design of Acoustic Metamaterials Using Gradient Based Optimization. , 2018, , .		0
219	Greenâ€™s Function Approach to Model Vibrations of Metamaterials with Spatiotemporally Modulated Properties. , 2021, , .		0
220	Acoustic Scattering from a Coated Elastic Shell: Exact vs. Approximate Theory. Fluid Mechanics and Its Applications, 2003, , 353-362.	0.2	0
221	Gaussian Wave Packets in Linear and Nonlinear Anisotropic Elastic Solids. North-Holland Series in Applied Mathematics and Mechanics, 1989, , 491-504.	0.0	0