

# Graeme W Milton

## List of Publications by Year in descending order

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165  
papers

11,078  
citations

57631

44  
h-index

35952

97  
g-index

169  
all docs

169  
docs citations

169  
times ranked

4506  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Possible Explanation of Dark Matter and Dark Energy Involving a Vector Torsion Field. <i>Universe</i> , 2022, 8, 298.	0.9	3
2	Some open problems in the theory of composites. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200115.	1.6	3
3	Planar polycrystals with extremal bulk and shear moduli. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 157, 104601.	2.3	1
4	A biomimetic sliding“stretching approach to seismic isolation. <i>Nonlinear Dynamics</i> , 2021, 106, 3147.	2.7	14
5	Tight Bounds on the Effective Complex Permittivity of Isotropic Composites and Related Problems. <i>Physical Review Applied</i> , 2020, 14, .	1.5	5
6	Inclusions of General Shapes Having Constant Field Inside the Core and NonElliptical Neutral Coated Inclusions With Anisotropic Conductivity. <i>SIAM Journal on Applied Mathematics</i> , 2020, 80, 1420-1440.	0.8	5
7	A review of anomalous resonance, its associated cloaking, and superlensing. <i>Comptes Rendus Physique</i> , 2020, 21, 409-423.	0.3	6
8	3D metamaterials. <i>Nature Reviews Physics</i> , 2019, 1, 198-210.	11.9	598
9	Exact relations for Green’s functions in linear PDE and boundary field equalities: a generalization of conservation laws. <i>Research in Mathematical Sciences</i> , 2019, 6, 1.	0.5	2
10	On the forces that cable webs under tension can support and how to design cable webs to channel stresses. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20180781.	1.0	8
11	Near optimal pentamodes as a tool for guiding stress while minimizing compliance in 3d-printed materials: A complete solution to the weak G-closure problem for 3d-printed materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 114, 194-208.	2.3	5
12	Convergence of iterative methods based on Neumann series for composite materials: Theory and practice. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 114, 1103-1130.	1.5	24
13	Stiff competition. <i>Nature</i> , 2018, 564, E1-E1.	13.7	7
14	A new route to finding bounds on the generalized spectrum of many physical operators. <i>Journal of Mathematical Physics</i> , 2018, 59, .	0.5	3
15	Approximating the Effective Tensor as a Function of the Component Tensors in Two-Dimensional Composites of Two Anisotropic Phases. <i>SIAM Journal on Mathematical Analysis</i> , 2018, 50, 3327-3364.	0.9	2
16	Theory of the Hall effect in three-dimensional metamaterials. <i>New Journal of Physics</i> , 2018, 20, 083034.	1.2	9
17	On ideal dynamic climbing ropes. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2017, 231, 136-143.	0.4	4
18	Extending the Theory of Composites to Other Areas of Science. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2017, 84, .	1.1	11

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19	Field patterns: a new mathematical object. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160819.	1.0	33
20	Towards a complete characterization of the effective elasticity tensors of mixtures of an elastic phase and an almost rigid phase. Mathematics and Mechanics of Complex Systems, 2017, 5, 95-113.	0.5	15
21	Criteria for guaranteed breakdown in two-phase inhomogeneous bodies. Inverse Problems, 2017, 33, 085006.	1.0	3
22	Bounds on complex polarizabilities and a new perspective on scattering by a lossy inclusion. Physical Review B, 2017, 96, .	1.1	7
23	Bounds on Herglotz functions and fundamental limits of broadband passive quasistatic cloaking. Journal of Mathematical Physics, 2017, 58, .	0.5	28
24	The set of forces that ideal trusses, or wire webs, under tension can support. International Journal of Solids and Structures, 2017, 128, 272-281.	1.3	3
25	Towards Characterization of All $\mathbb{R}^3$ Extremal Quasiconvex Quadratic Forms. Communications on Pure and Applied Mathematics, 2017, 70, 2164-2190.	1.2	6
26	Field patterns without blow up. New Journal of Physics, 2017, 19, 093022.	1.2	10
27	On the Relation Between Extremal Elasticity Tensors with Orthotropic Symmetry and Extremal Polynomials. Archive for Rational Mechanics and Analysis, 2017, 223, 199-212.	1.1	5
28	Field patterns: A new type of wave with infinitely degenerate band structure. Europhysics Letters, 2017, 120, 54003.	0.7	6
29	On the possible effective elasticity tensors of 2-dimensional and 3-dimensional printed materials. Mathematics and Mechanics of Complex Systems, 2017, 5, 41-94.	0.5	55
30	Sensitivity of anomalous localized resonance phenomena with respect to dissipation. Quarterly of Applied Mathematics, 2016, 74, 201-234.	0.5	6
31	High-frequency homogenization for travelling waves in periodic media. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160066.	1.0	14
32	Analytic materials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160613.	1.0	2
33	Invisibility Cloaking. , 2015, , 751-758.		1
34	Isotropic Realizability of Current Fields in $\mathbb{R}^3$ . SIAM Journal on Applied Dynamical Systems, 2015, 14, 1165-1188.	0.7	2
35	New examples of three-dimensional dilational materials. Physica Status Solidi (B): Basic Research, 2015, 252, 1426-1430.	0.7	25
36	Explicit examples of extremal quasiconvex quadratic forms that are not polyconvex. Calculus of Variations and Partial Differential Equations, 2015, 54, 1575-1589.	0.9	6

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37	Addendum to "Sharp inequalities that generalize the divergence theorem: an extension of the notion of quasi-convexity". Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20140886.	1.0	5
38	Bounds on the volume of an inclusion in a body from a complex conductivity measurement. Communications in Mathematical Sciences, 2015, 13, 863-892.	0.5	6
39	Exact determination of the volume of an inclusion in a body having constant shear modulus. Inverse Problems, 2014, 30, 125008.	1.0	2
40	Bounds on the Size of an Inclusion Using the Translation Method for Two-Dimensional Complex Conductivity. SIAM Journal on Applied Mathematics, 2014, 74, 939-958.	0.8	7
41	Which electric fields are realizable in conducting materials?. ESAIM: Mathematical Modelling and Numerical Analysis, 2014, 48, 307-323.	0.8	12
42	Bounds on the Volume Fraction of the Two-Phase Shallow Shell Using One Measurement. Journal of Elasticity, 2014, 114, 41-53.	0.9	8
43	Rigorous bounds on the effective moduli of composites and inhomogeneous bodies with negative-stiffness phases. Journal of the Mechanics and Physics of Solids, 2014, 71, 46-63.	2.3	32
44	On three-dimensional dilational elastic metamaterials. New Journal of Physics, 2014, 16, 033032.	1.2	157
45	Spectral Theory of a Neumann-Poincaré-Type Operator and Analysis of Cloaking Due to Anomalous Localized Resonance. Archive for Rational Mechanics and Analysis, 2013, 208, 667-692.	1.1	127
46	Adaptable nonlinear bimode metamaterials using rigid bars, pivots, and actuators. Journal of the Mechanics and Physics of Solids, 2013, 61, 1561-1568.	2.3	22
47	Bounds on the Volume Fractions of Two Materials in a Three-Dimensional Body from Boundary Measurements by the Translation Method. SIAM Journal on Applied Mathematics, 2013, 73, 475-492.	0.8	19
48	Sharp inequalities that generalize the divergence theorem: an extension of the notion of quasi-convexity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130075.	1.0	8
49	Transformation Elastodynamics and Active Exterior Acoustic Cloaking. Springer Series in Materials Science, 2013, , 289-318.	0.4	13
50	Complete characterization of the macroscopic deformations of periodic unimode metamaterials of rigid bars and pivots. Journal of the Mechanics and Physics of Solids, 2013, 61, 1543-1560.	2.3	112
51	Effective conductivities of thin-interphase composites. Journal of the Mechanics and Physics of Solids, 2013, 61, 2680-2691.	2.3	6
52	The searchlight effect in hyperbolic materials. Optics Express, 2013, 21, 14926.	1.7	11
53	Anomalous localized resonance using a folded geometry in three dimensions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130048.	1.0	37
54	Mathematical analysis of the two dimensional active exterior cloaking in the quasistatic regime. Analysis and Mathematical Physics, 2012, 2, 231-246.	0.6	14

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55	Bounds on the volume fraction of 2-phase, 2-dimensional elastic bodies and on (stress, strain) pairs in composites. <i>Comptes Rendus - Mecanique</i> , 2012, 340, 193-204.	2.1	15
56	Sharp bounds on the volume fractions of two materials in a two-dimensional body from electrical boundary measurements: the translation method. <i>Calculus of Variations and Partial Differential Equations</i> , 2012, 45, 367-401.	0.9	21
57	A metamaterial having a frequency dependent elasticity tensor and a zero effective mass density. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 1412-1414.	0.7	8
58	Universal bounds on the electrical and elastic response of two-phase bodies and their application to bounding the volume fraction from boundary measurements. <i>Journal of the Mechanics and Physics of Solids</i> , 2012, 60, 139-155.	2.3	13
59	Exterior cloaking with active sources in two dimensional acoustics. <i>Wave Motion</i> , 2011, 48, 515-524.	1.0	54
60	Complete Characterization and Synthesis of the Response Function of Elastodynamic Networks. <i>Journal of Elasticity</i> , 2011, 102, 31-54.	0.9	15
61	An effective medium theory for multi-phase matrix-based dielectric composites with randomly oriented ellipsoidal inclusions. <i>International Journal of Engineering Science</i> , 2011, 49, 2-16.	2.7	19
62	Spectral super-resolution in metamaterial composites. <i>New Journal of Physics</i> , 2011, 13, 115005.	1.2	20
63	Bounds on strong field magneto-transport in three-dimensional composites. <i>Journal of Mathematical Physics</i> , 2011, 52, 103705.	0.5	0
64	Progress on the strong Eshelby's conjecture and extremal structures for the elastic moment tensor. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2010, 94, 93-106.	0.8	24
65	The effective medium and the average field approximations vis-à-vis the Hashin-Shtrikman bounds. II. The generalized self-consistent scheme in matrix-based composites. <i>Journal of the Mechanics and Physics of Solids</i> , 2010, 58, 1039-1056.	2.3	24
66	The effective medium and the average field approximations vis-à-vis the Hashin-Shtrikman bounds. I. The self-consistent scheme in matrix-based composites. <i>Journal of the Mechanics and Physics of Solids</i> , 2010, 58, 1026-1038.	2.3	29
67	Hybrid electromagnetic circuits. <i>Physica B: Condensed Matter</i> , 2010, 405, 2935-2937.	1.3	2
68	Minimum variational principles for time-harmonic waves in a dissipative medium and associated variational principles of Hashin-Shtrikman type. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010, 466, 3013-3032.	1.0	14
69	Realizability of metamaterials with prescribed electric permittivity and magnetic permeability tensors. <i>New Journal of Physics</i> , 2010, 12, 033035.	1.2	22
70	New Bounds on Strong Field Magneto-Transport in Multiphase Columnar Composites. <i>SIAM Journal on Applied Mathematics</i> , 2010, 70, 3272-3286.	0.8	1
71	An Antisymmetric Effective Hall Matrix. <i>SIAM Journal on Applied Mathematics</i> , 2010, 70, 1810-1820.	0.8	9
72	Electromagnetic circuits. <i>Networks and Heterogeneous Media</i> , 2010, 5, 335-360.	0.5	4

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73	Minimization variational principles for acoustics, elastodynamics and electromagnetism in lossy inhomogeneous bodies at fixed frequency. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2009, 465, 367-396.	1.0	16
74	Homogenization of the Three-dimensional Hall Effect and Change of Sign of the Hall Coefficient. Archive for Rational Mechanics and Analysis, 2009, 193, 715-736.	1.1	30
75	Cloaking by plasmonic resonance among systems of particles: cooperation or combat?. Comptes Rendus Physique, 2009, 10, 391-399.	0.3	21
76	Broadband exterior cloaking. Optics Express, 2009, 17, 14800.	1.7	98
77	Giant Hall Effect in Composites. Multiscale Modeling and Simulation, 2009, 7, 1405-1427.	0.6	10
78	Active Exterior Cloaking for the 2D Laplace and Helmholtz Equations. Physical Review Letters, 2009, 103, 073901.	2.9	124
79	Homogenization of the two-dimensional Hall effect. Journal of Mathematical Analysis and Applications, 2008, 339, 1468-1484.	0.5	13
80	Solutions to the Pólya-Szegő Conjecture and the Weak Eshelby Conjecture. Archive for Rational Mechanics and Analysis, 2008, 188, 93-116.	1.1	82
81	An accelerated FFT algorithm for thermoelastic and nonlinear composites. International Journal for Numerical Methods in Engineering, 2008, 76, 1678-1695.	1.5	69
82	Inclusion Pairs Satisfying Eshelby's Uniformity Property. SIAM Journal on Applied Mathematics, 2008, 69, 577-595.	0.8	55
83	Solutions in folded geometries, and associated cloaking due to anomalous resonance. New Journal of Physics, 2008, 10, 115021.	1.2	75
84	Realizable response matrices of multi-terminal electrical, acoustic and elastodynamic networks at a given frequency. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 967-986.	1.0	11
85	New metamaterials with macroscopic behavior outside that of continuum elastodynamics. New Journal of Physics, 2007, 9, 359-359.	1.2	84
86	Cloaking: A New Phenomenon in Electromagnetism and Elasticity. , 2007, , .		0
87	Quasistatic cloaking of two-dimensional polarizable discrete systems by anomalous resonance. Optics Express, 2007, 15, 6314.	1.7	162
88	On modifications of Newton's second law and linear continuum elastodynamics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 855-880.	1.0	462
89	Reversal of the Hall coefficient sign under homogenization. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1050603-1050604.	0.2	0
90	Nonmagnetic cloak with minimized scattering. Applied Physics Letters, 2007, 91, .	1.5	272

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91	Opaque perfect lenses. <i>Physica B: Condensed Matter</i> , 2007, 394, 171-175.	1.3	31
92	Cloaking: A New Phenomenon in Electromagnetism and Elasticity. , 2007, , .		0
93	On cloaking for elasticity and physical equations with a transformation invariant form. <i>New Journal of Physics</i> , 2006, 8, 248-248.	1.2	818
94	On the cloaking effects associated with anomalous localized resonance. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 3027-3059.	1.0	455
95	Optimizing the superlens geometry. , 2006, , .		0
96	The total creep of viscoelastic composites under hydrostatic or antiplane loading. <i>Journal of the Mechanics and Physics of Solids</i> , 2005, 53, 1248-1279.	2.3	33
97	A proof of superlensing in the quasistatic regime, and limitations of superlenses in this regime due to anomalous localized resonance. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2005, 461, 3999-4034.	1.0	118
98	Optimizing the superlens: Manipulating geometry to enhance the resolution. <i>Applied Physics Letters</i> , 2005, 87, 231113.	1.5	64
99	On Optimizing the Properties of Hierarchical Laminates Using Pontryagin's Maximum Principle. <i>Multiscale Modeling and Simulation</i> , 2005, 3, 658-679.	0.6	3
100	Change of Sign of the Corrector's Determinant for Homogenization in Three-Dimensional Conductivity. <i>Archive for Rational Mechanics and Analysis</i> , 2004, 173, 133-150.	1.1	40
101	The Exact Photonic Band Structure for a Class of Media with Periodic Complex Moduli. <i>Methods and Applications of Analysis</i> , 2004, 11, 413-422.	0.1	2
102	Exact band structure for the scalar wave equation with periodic complex moduli. <i>Physica B: Condensed Matter</i> , 2003, 338, 186-189.	1.3	7
103	New exact results for the effective electric, elastic, piezoelectric and other properties of composite ellipsoid assemblages. <i>Journal of the Mechanics and Physics of Solids</i> , 2003, 51, 1773-1813.	2.3	67
104	Realizable (Average Stress, Average Strain) Pairs in a Plate with Holes. <i>SIAM Journal on Applied Mathematics</i> , 2003, 63, 987-1028.	0.8	8
105	Laminate materials. , 2002, , 159-184.		0
106	Can Mixing Materials Make Electromagnetic Signals Travel Faster?. <i>SIAM Journal on Applied Mathematics</i> , 2002, 62, 2064-2091.	0.8	11
107	Variational principles and inequalities. , 2002, , 271-290.		0
108	Bounds using the compensated compactness or translation method. , 2002, , 499-528.		0

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109	Reformulating the problem of finding effective tensors. , 2002, , 245-270.		1
110	Series expansions for the fields and effective tensors. , 2002, , 291-312.		0
111	The general theory of exact relations and links between effective tensors. , 2002, , 355-368.		0
112	Classical variational principle bounds. , 2002, , 437-456.		0
113	Bounds from the Hashin-Shtrikman variational inequalities. , 2002, , 457-498.		0
114	Choosing the translations and finding microgeometries that attain the bounds. , 2002, , 529-552.		0
115	Properties of the G-closure and extremal families of composites. , 2002, , 643-670.		0
116	Bounds for interpolating complex effective moduli of viscoelastic materials from measured data. Rheologica Acta, 2002, 41, 461-470.	1.1	6
117	Neutral coated inclusions in conductivity and anti-plane elasticity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2001, 457, 1973-1997.	1.0	66
118	Proof of a conjecture on the conductivity of checkerboards. Journal of Mathematical Physics, 2001, 42, 4873-4882.	0.5	31
119	Exact relations for effective tensors of composites: Necessary conditions and sufficient conditions. Communications on Pure and Applied Mathematics, 2000, 53, 300-353.	1.2	40
120	Bounding the current in nonlinear conducting composites. Journal of the Mechanics and Physics of Solids, 2000, 48, 1295-1324.	2.3	39
121	Bounds for the group velocity of electromagnetic signals in two phase materials. Physica B: Condensed Matter, 2000, 279, 9-12.	1.3	5
122	Optimal G -Closure Bounds via Stability under Lamination. Archive for Rational Mechanics and Analysis, 1999, 150, 191-207.	1.1	12
123	On the effective viscoelastic moduli of two-phase media. III. Rigorous bounds on the complex shear modulus in two dimensions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1999, 455, 2117-2149.	1.0	30
124	Rank one plus a null-Lagrangian is an inherited property of two-dimensional compliance tensors under homogenisation. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1998, 128, 283-299.	0.8	7
125	Finite Frequency Range Kramers-Kronig Relations: Bounds on the Dispersion. Physical Review Letters, 1997, 79, 3062-3065.	2.9	122
126	Duality relations, correspondences and numerical results for planar elastic composites. Journal of the Mechanics and Physics of Solids, 1997, 45, 565-590.	2.3	18



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127	A complete characterization of the possible bulk and shear moduli of planar polycrystals. Journal of the Mechanics and Physics of Solids, 1996, 44, 1179-1218.	2.3	45
128	Perfectly Conducting Lamellar Gratings: Babinet's Principle and Circuit Models. Journal of Modern Optics, 1995, 42, 2453-2473.	0.6	5
129	Which Elasticity Tensors are Realizable?. Journal of Engineering Materials and Technology, Transactions of the ASME, 1995, 117, 483-493.	0.8	383
130	Optical and dielectric properties of partially resonant composites. Physical Review B, 1994, 49, 8479-8482.	1.1	223
131	Sets of conductivity and elasticity tensors stable under lamination. Communications on Pure and Applied Mathematics, 1994, 47, 257-279.	1.2	27
132	A link between sets of tensors stable under lamination and quasiconvexity. Communications on Pure and Applied Mathematics, 1994, 47, 959-1003.	1.2	14
133	An electromagnetic theory of dielectric waveguides with multiple embedded cylinders. Journal of Lightwave Technology, 1994, 12, 396-410.	2.7	37
134	Modelling the effective conductivity function of an arbitrary two-dimensional polycrystal using sequential laminates. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1994, 124, 757-783.	0.8	13
135	Exact results in linear thermomechanics of fluid-saturated porous media. Applied Physics Letters, 1992, 61, 2030-2032.	1.5	11
136	Composite materials with poisson's ratios close to $\pm 1$ . Journal of the Mechanics and Physics of Solids, 1992, 40, 1105-1137.	2.3	448
137	Bubbly flow and its relation to conduction in composites. Journal of Fluid Mechanics, 1991, 233, 65-81.	1.4	16
138	Polycrystalline configurations that maximize electrical resistivity. Journal of the Mechanics and Physics of Solids, 1991, 39, 525-542.	2.3	42
139	Exact results for generalized Gassmann's equations in composite porous media with two constituents. Geophysics, 1991, 56, 1950-1960.	1.4	189
140	The Field Equation Recursion Method. , 1991, , 223-245.		7
141	Inverse Transport Problems for Composite Media. Materials Research Society Symposia Proceedings, 1990, 195, 257.	0.1	31
142	On characterizing the set of possible effective tensors of composites: The variational method and the translation method. Communications on Pure and Applied Mathematics, 1990, 43, 63-125.	1.2	180
143	Representations for the conductivity functions of multicomponent composites. Communications on Pure and Applied Mathematics, 1990, 43, 647-671.	1.2	31
144	On the conductivity of polycrystals and a phase-interchange inequality. Physica A: Statistical Mechanics and Its Applications, 1989, 157, 148-153.	1.2	1

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145	Optimal Bounds on the Effective Bulk Modulus of Polycrystals. SIAM Journal on Applied Mathematics, 1989, 49, 824-837.	0.8	66
146	Variational bounds on the effective moduli of anisotropic composites. Journal of the Mechanics and Physics of Solids, 1988, 36, 597-629.	2.3	266
147	On the effective conductivity of polycrystals and a three-dimensional phase-interchange inequality. Journal of Applied Physics, 1988, 63, 4989-5003.	1.1	109
148	Classical Hall effect in two-dimensional composites: A characterization of the set of realizable effective conductivity tensors. Physical Review B, 1988, 38, 11296-11303.	1.1	53
149	Microgeometry of random composites and porous media. Journal Physics D: Applied Physics, 1988, 21, 87-94.	1.3	132
150	Optimal bounds for conduction in two-dimensional, multiphase, polycrystalline media. Journal of Statistical Physics, 1987, 46, 161-177.	0.5	21
151	Multicomponent composites, electrical networks and new types of continued fraction I. Communications in Mathematical Physics, 1987, 111, 281-327.	1.0	68
152	Classifying first-order phase transitions. Physica A: Statistical Mechanics and Its Applications, 1986, 138, 22-54.	1.2	16
153	Analytical model for the dielectric response of brine-saturated rocks. Physical Review B, 1986, 34, 5145-5153.	1.1	122
154	On Bounding the Effective Conductivity of Anisotropic Composites. The IMA Volumes in Mathematics and Its Applications, 1986, , 97-125.	0.5	50
155	The coherent potential approximation is a realizable effective medium scheme. Communications in Mathematical Physics, 1985, 99, 463-500.	1.0	150
156	Normalization constraint for variational bounds on fluid permeability. Journal of Chemical Physics, 1985, 83, 754-760.	1.2	78
157	Continuum fluids with a discontinuity in the pressure. Journal of Statistical Physics, 1983, 32, 413-438.	0.5	11
158	New third-order bounds on the effective moduli of $n$ -phase composites. Quarterly of Applied Mathematics, 1983, 41, 59-74.	0.5	23
159	A Possible Use of Bounds on Effective Moduli of Composite Materials. Journal of Reinforced Plastics and Composites, 1982, 1, 107-114.	1.6	6
160	Bounds on the elastic and transport properties of two-component composites. Journal of the Mechanics and Physics of Solids, 1982, 30, 177-191.	2.3	175
161	Bounds on the transport and optical properties of a two-component composite material. Journal of Applied Physics, 1981, 52, 5294-5304.	1.1	266
162	Transport properties of arrays of intersecting cylinders. Applied Physics Berlin, 1981, 25, 23-30.	1.4	77

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163	Bounds on the complex permittivity of a two-component composite material. Journal of Applied Physics, 1981, 52, 5286-5293.	1.1	355
164	Bounds on the Electromagnetic, Elastic, and Other Properties of Two-Component Composites. Physical Review Letters, 1981, 46, 542-545.	2.9	289
165	Bounds on the complex dielectric constant of a composite material. Applied Physics Letters, 1980, 37, 300-302.	1.5	272