

# Eleftherios Economou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2663525/publications.pdf>

Version: 2024-02-01

211  
papers

14,186  
citations

25014

57  
h-index

21521

114  
g-index

215  
all docs

215  
docs citations

215  
times ranked

8812  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Plasmons in Thin Films. <i>Physical Review</i> , 1969, 182, 539-554.	2.7	1,220
2	Low-Loss Metamaterials Based on Classical Electromagnetically Induced Transparency. <i>Physical Review Letters</i> , 2009, 102, 053901.	2.9	615
3	Saturation of the Magnetic Response of Split-Ring Resonators at Optical Frequencies. <i>Physical Review Letters</i> , 2005, 95, 223902.	2.9	559
4	Greenâ€™s Functions in Quantum Physics. <i>Springer Series in Solid-state Sciences</i> , 1983, , .	0.3	507
5	Electric coupling to the magnetic resonance of split ring resonators. <i>Applied Physics Letters</i> , 2004, 84, 2943-2945.	1.5	428
6	Refraction in Media with a Negative Refractive Index. <i>Physical Review Letters</i> , 2003, 90, 107402.	2.9	356
7	Left-handed metamaterials: The fishnet structure and its variations. <i>Physical Review B</i> , 2007, 75, .	1.1	331
8	Effective Medium Theory of Left-Handed Materials. <i>Physical Review Letters</i> , 2004, 93, 107402.	2.9	317
9	Multiple-scattering theory for three-dimensional periodic acoustic composites. <i>Physical Review B</i> , 1999, 60, 11993-12001.	1.1	313
10	Static Conductance and Scaling Theory of Localization in One Dimension. <i>Physical Review Letters</i> , 1981, 46, 618-621.	2.9	280
11	Theory of Electron Band Tails and the Urbach Optical-Absorption Edge. <i>Physical Review Letters</i> , 1986, 57, 1777-1780.	2.9	265
12	Impact of inherent periodic structure on effective medium description of left-handed and related metamaterials. <i>Physical Review B</i> , 2005, 71, .	1.1	253
13	Tight-Binding Parametrization for Photonic Band Gap Materials. <i>Physical Review Letters</i> , 1998, 81, 1405-1408.	2.9	209
14	Magnetic response of split-ring resonators in the far-infrared frequency regime. <i>Optics Letters</i> , 2005, 30, 1348.	1.7	199
15	Repulsive Casimir Force in Chiral Metamaterials. <i>Physical Review Letters</i> , 2009, 103, 103602.	2.9	196
16	Classical vibrational modes in phononic lattices: theory and experiment. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2005, 220, .	0.4	189
17	Extremely high $Q$ -factor metamaterials due to anapole excitation. <i>Physical Review B</i> , 2017, 95, .	1.1	183
18	Planar designs for electromagnetically induced transparency in metamaterials. <i>Optics Express</i> , 2009, 17, 5595.	1.7	179

#	ARTICLE	IF	CITATIONS
19	Localization in One-Dimensional Lattices in the Presence of Incommensurate Potentials. Physical Review Letters, 1982, 48, 1043-1046.	2.9	167
20	Classical wave propagation in periodic structures: Cermet versus network topology. Physical Review B, 1993, 48, 13434-13438.	1.1	165
21	Photonic band gaps and defects in two dimensions: Studies of the transmission coefficient. Physical Review B, 1993, 48, 14121-14126.	1.1	164
22	Elastic waves in plates with periodically placed inclusions. Journal of Applied Physics, 1994, 75, 2845-2850.	1.1	152
23	Fractal Character of Eigenstates in Disordered Systems. Physical Review Letters, 1984, 52, 565-568.	2.9	146
24	Dielectric Metamaterials with Toroidal Dipolar Response. Physical Review X, 2015, 5, .	2.8	145
25	Toward Intelligent Metasurfaces: The Progress from Globally Tunable Metasurfaces to Software-Defined Metasurfaces with an Embedded Network of Controllers. Advanced Optical Materials, 2020, 8, 2000783.	3.6	145
26	Off-diagonal disorder in one-dimensional systems. Physical Review B, 1981, 24, 5698-5702.	1.1	141
27	Stop bands for elastic waves in periodic composite materials. Journal of the Acoustical Society of America, 1994, 95, 1734-1740.	0.5	139
28	Study of localization in Anderson's model for random lattices. Physical Review B, 1975, 11, 3697-3717.	1.1	133
29	Attenuation of multiple-scattered sound. Europhysics Letters, 1996, 36, 241-246.	0.7	130
30	Experimental Demonstration of Ultrafast THz Modulation in a Graphene-Based Thin Film Absorber through Negative Photoinduced Conductivity. ACS Photonics, 2019, 6, 720-727.	3.2	128
31	Three-Dimensional Infrared Metamaterial with Asymmetric Transmission. ACS Photonics, 2015, 2, 287-294.	3.2	122
32	Calculations of the electronic properties of hydrogenated silicon. Physical Review B, 1981, 24, 7233-7246.	1.1	120
33	Air Bubbles in Water: A Strongly Multiple Scattering Medium for Acoustic Waves. Physical Review Letters, 2000, 84, 6050-6053.	2.9	120
34	Exponential Band Tails in Random Systems. Physical Review Letters, 1984, 53, 616-619.	2.9	118
35	Left-handed metamaterials: detailed numerical studies of the transmission properties. Journal of Optics, 2005, 7, S12-S22.	1.5	118
36	Localized states in disordered systems as bound states in potential wells. Physical Review B, 1984, 30, 1686-1694.	1.1	102

#	ARTICLE	IF	CITATIONS
37	Broadband blueshift tunable metamaterials and dual-band switches. <i>Physical Review B</i> , 2009, 79, .	1.1	96
38	Multi-gap individual and coupled split-ring resonator structures. <i>Optics Express</i> , 2008, 16, 18131.	1.7	92
39	Study of electronic states with off-diagonal disorder in two dimensions. <i>Physical Review B</i> , 1982, 26, 1838-1841.	1.1	90
40	Classical wave propagation in periodic structures. <i>Physical Review B</i> , 1989, 40, 1334-1337.	1.1	87
41	Propagation of classical waves in random media. <i>Physical Review B</i> , 1994, 49, 3800-3810.	1.1	86
42	Gap deformation and classical wave localization in disordered two-dimensional photonic-band-gap materials. <i>Physical Review B</i> , 2000, 61, 13458-13464.	1.1	86
43	Localization in quantum percolation: Transfer-matrix calculations in three dimensions. <i>Physical Review B</i> , 1987, 36, 8649-8655.	1.1	84
44	Interpretation of the band-structure results for elastic and acoustic waves by analogy with the LCAO approach. <i>Physical Review B</i> , 1995, 52, 13317-13331.	1.1	81
45	Non-Hermitian disorder in two-dimensional optical lattices. <i>Physical Review B</i> , 2020, 101, .	1.1	79
46	Polaron Formation near a Mobility Edge. <i>Physical Review Letters</i> , 1983, 51, 1202-1205.	2.9	78
47	Theoretical model of homogeneous metal-insulator-metal perfect multi-band absorbers for the visible spectrum. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 055104.	1.3	77
48	Optically controllable THz chiral metamaterials. <i>Optics Express</i> , 2014, 22, 12149.	1.7	74
49	Flexible chiral metamaterials in the terahertz regime: a comparative study of various designs. <i>Optical Materials Express</i> , 2012, 2, 1702.	1.6	72
50	Spectral density singularities, level statistics, and localization in a sparse random matrix ensemble. <i>Physical Review Letters</i> , 1992, 68, 361-364.	2.9	71
51	Phonons in colloidal systems. <i>Journal of Chemical Physics</i> , 2003, 118, 5224-5240.	1.2	66
52	Noncontact optical imaging in mice with full angular coverage and automatic surface extraction. <i>Applied Optics</i> , 2007, 46, 3617.	2.1	65
53	Pairing Toroidal and Magnetic Dipole Resonances in Elliptic Dielectric Rod Metasurfaces for Reconfigurable Wavefront Manipulation in Reflection. <i>Advanced Optical Materials</i> , 2018, 6, 1800633.	3.6	65
54	Existence of Anderson Localization of Classical Waves in a Random Two-Component Medium. <i>Physical Review Letters</i> , 1989, 62, 575-578.	2.9	64

#	ARTICLE	IF	CITATIONS
55	Localization in two- and three-dimensional systems away from the band center. <i>Physical Review B</i> , 1985, 32, 7811-7816.	1.1	62
56	The science of negative index materials. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 304217.	0.7	58
57	Toroidal eigenmodes in all-dielectric metamolecules. <i>Physical Review B</i> , 2016, 94, .	1.1	58
58	Small-bipolaron formation. <i>Physical Review B</i> , 1984, 29, 4496-4499.	1.1	57
59	Electronic localization in disordered systems. <i>Waves in Random and Complex Media</i> , 1999, 9, 255-269.	1.5	57
60	Quantitative results near the band edges of disordered systems. <i>Physical Review B</i> , 1985, 31, 6172-6183.	1.1	55
61	Comparison of chiral metamaterial designs for repulsive Casimir force. <i>Physical Review B</i> , 2010, 81, .	1.1	55
62	Electromagnetic shielding effectiveness of 3D printed polymer composites. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	52
63	Left- and right-handed transmission peaks near the magnetic resonance frequency in composite metamaterials. <i>Physical Review B</i> , 2004, 70, .	1.1	51
64	Transport and scattering mean free paths of classical waves. <i>Physical Review B</i> , 1994, 50, 93-98.	1.1	50
65	Programmable Metasurfaces: State of the Art and Prospects. , 2018, , .		49
66	Connection of localization with the problem of the bound state in a potential well. <i>Physical Review B</i> , 1983, 28, 1093-1094.	1.1	48
67	Magnetic response of nanoscale left-handed metamaterials. <i>Physical Review B</i> , 2010, 81, .	1.1	48
68	Anisotropic tight-binding model for localization. <i>Physical Review B</i> , 1989, 40, 2825-2830.	1.1	46
69	Experimental demonstration of negative magnetic permeability in the far-infrared frequency regime. <i>Applied Physics Letters</i> , 2006, 89, 084103.	1.5	46
70	Electron-phonon interaction, localization, and polaron formation in one-dimensional systems. <i>Physical Review B</i> , 1995, 51, 15038-15052.	1.1	45
71	Two-dimensional polaritonic photonic crystals as terahertz uniaxial metamaterials. <i>Physical Review B</i> , 2011, 84, .	1.1	45
72	Epsilon near zero based phenomena in metamaterials. <i>Physical Review B</i> , 2013, 87, .	1.1	45

#	ARTICLE	IF	CITATIONS
73	Passive radiative cooling and other photonic approaches for the temperature control of photovoltaics: a comparative study for crystalline silicon-based architectures. <i>Optics Express</i> , 2020, 28, 18548.	1.7	45
74	Lattice-soliton scattering in nonlinear atomic chains. <i>Physical Review B</i> , 1988, 37, 3534-3541.	1.1	44
75	Three-Dimensional in Vivo Imaging of Green Fluorescent Protein-Expressing T Cells in Mice with Noncontact Fluorescence Molecular Tomography. <i>Molecular Imaging</i> , 2007, 6, 7290.2007.00007.	0.7	44
76	Localization in Highly Anisotropic Systems. <i>Physical Review Letters</i> , 1996, 76, 3614-3617.	2.9	43
77	Acoustic Excitations in Suspensions of Soft Colloids. <i>Physical Review Letters</i> , 2000, 85, 4622-4625.	2.9	43
78	Self-organization approach for THz polaritonic metamaterials. <i>Optics Express</i> , 2012, 20, 14663.	1.7	42
79	A Pedestrian Approach to the Aromaticity of Graphene and Nanographene: Significance of Huckel's $(4n+2)$ Electron Rule. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16991-17003.	1.5	42
80	Band tails, path integrals, instantons, polarons, and all that. <i>IBM Journal of Research and Development</i> , 1988, 32, 82-92.	3.2	41
81	Reflectionless modes in chains with large-size homogeneous impurities. <i>Journal of Physics A</i> , 1993, 26, 2803-2813.	1.6	41
82	Exploration of Intercell Wireless Millimeter-Wave Communication in the Landscape of Intelligent Metasurfaces. <i>IEEE Access</i> , 2019, 7, 122931-122948.	2.6	41
83	Random one-body approximation to the Hubbard model. I. Formalism. <i>Physical Review B</i> , 1978, 18, 3946-3958.	1.1	40
84	Simple derivation of exponential tails in the density of states. <i>Physical Review B</i> , 1988, 37, 2714-2717.	1.1	40
85	Spectral gaps for electromagnetic and scalar waves: Possible explanation for certain differences. <i>Physical Review B</i> , 1994, 50, 3393-3396.	1.1	39
86	Repulsive Casimir forces with finite-thickness slabs. <i>Physical Review B</i> , 2011, 83, .	1.1	37
87	Strong diamagnetic response in split-ring-resonator metamaterials: Numerical study and two-loop model. <i>Physical Review B</i> , 2008, 77, .	1.1	36
88	Eutectic epsilon-near-zero metamaterial terahertz waveguides. <i>Optics Letters</i> , 2013, 38, 1140.	1.7	36
89	Self-Consistent Approximation to the Hubbard Model. <i>Physical Review Letters</i> , 1977, 38, 289-292.	2.9	35
90	Magnetic response of split ring resonators at terahertz frequencies. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1181-1187.	0.7	35

#	ARTICLE	IF	CITATIONS
91	Fractal character of wave functions in one-dimensional incommensurate systems. Physical Review B, 1986, 33, 4936-4940.	1.1	34
92	Negative index short-slab pair and continuous wires metamaterials in the far infrared regime. Optics Express, 2008, 16, 9173.	1.7	34
93	The spectrum of vibration modes in soft opals. Journal of Chemical Physics, 2005, 123, 121104.	1.2	33
94	The Physics of Solids. Graduate Texts in Physics, 2010, , .	0.1	32
95	Chiral Metamaterials with $P < T$ Symmetry and Beyond. Physical Review Letters, 2019, 122, 213201.	2.9	32
96	Backward surface waves at photonic crystals. Physical Review B, 2007, 75, .	1.1	31
97	Localization in three-dimensional systems by a Gaussian random potential. Physical Review B, 1986, 34, 2253-2257.	1.1	30
98	Combined nano and micro structuring for enhanced radiative cooling and efficiency of photovoltaic cells. Scientific Reports, 2021, 11, 11552.	1.6	30
99	Conductivity in disordered systems. Physical Review B, 1985, 31, 6483-6489.	1.1	29
100	Mechanical Strength of Amorphous CaCO <sub>3</sub> Colloidal Spheres. Langmuir, 2005, 21, 6666-6668.	1.6	29
101	Compact planar far-field superlens based on anisotropic left-handed metamaterials. Physical Review B, 2009, 80, .	1.1	29
102	Random one-body approximation to the Hubbard model. III. Application to higher-dimensional lattices. Physical Review B, 1978, 18, 3968-3975.	1.1	28
103	Electronic and transport properties of hydrogenated amorphous silicon. Physical Review B, 1985, 31, 2410-2415.	1.1	28
104	Scattering properties of solitons in nonlinear disordered chains. Physical Review B, 1988, 38, 11888-11891.	1.1	28
105	Calculation of optical transport and localization quantities. Physical Review B, 1989, 40, 7977-7980.	1.1	28
106	Intercell Wireless Communication in Software-defined Metasurfaces. , 2018, , .		28
107	Perfect optical absorption with nanostructured metal films: design and experimental demonstration. Optics Express, 2019, 27, 6842.	1.7	28
108	Transport and spectral features in non-Hermitian open systems. Physical Review Research, 2021, 3, .	1.3	28

#	ARTICLE	IF	CITATIONS
109	Perfect absorbers based on metal-insulator-metal structures in the visible region: a simple approach for practical applications. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	27
110	Economou and Soukoulis Respond. <i>Physical Review Letters</i> , 1981, 47, 973-973.	2.9	25
111	Electromagnetic shielding effectiveness and mechanical properties of graphite-based polymeric films. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	23
112	Flexible 3D Printed Conductive Metamaterial Units for Electromagnetic Applications in Microwaves. <i>Materials</i> , 2020, 13, 3879.	1.3	23
113	Random one-body approximation to the Hubbard model. II. One-dimensional case. <i>Physical Review B</i> , 1978, 18, 3959-3967.	1.1	22
114	Submicron Organic-Inorganic Hybrid Radiative Cooling Coatings for Stable, Ultrathin, and Lightweight Solar Cells. <i>ACS Photonics</i> , 2022, 9, 1327-1337.	3.2	22
115	Polaron formation in one-dimensional quasiperiodic systems. <i>Physical Review Letters</i> , 1992, 68, 2370-2373.	2.9	21
116	Phononic crystals and elastodynamics: Some relevant points. <i>AIP Advances</i> , 2014, 4, 124203.	0.6	21
117	Optimal tuning of lasing modes through collective particle resonance. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004, 21, 141.	0.9	20
118	Bipolarons in disordered media. <i>Physical Review B</i> , 1984, 29, 4500-4504.	1.1	19
119	Polarons in a one-dimensional quasiperiodic model. <i>Physical Review B</i> , 1993, 47, 740-752.	1.1	19
120	Phonons in colloidal crystals. <i>Europhysics Letters</i> , 2002, 58, 699-704.	0.7	19
121	Theoretical study of optical absorption in hydrogenated amorphous silicon. <i>Physical Review B</i> , 1983, 28, 2232-2234.	1.1	18
122	Localization for correlated binary-alloy disorder. <i>Physical Review B</i> , 1988, 37, 4399-4407.	1.1	18
123	One-dimensional localization with correlated disorder. <i>Physical Review B</i> , 1994, 50, 5110-5118.	1.1	18
124	Experimental verification of backward wave propagation at photonic crystal surfaces. <i>Applied Physics Letters</i> , 2007, 91, 214102.	1.5	18
125	Electron-phonon interactions and recurrence phenomena in one-dimensional systems. <i>Physical Review B</i> , 1994, 49, 7036-7039.	1.1	17
126	Anderson localization for two interacting electrons in a disordered chain. <i>Physical Review B</i> , 1996, 54, 8469-8473.	1.1	17



#	ARTICLE	IF	CITATIONS
127	Interrelation of Aromaticity and Conductivity of Graphene Dots/Antidots and Related Nanostructures. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29463-29475.	1.5	17
128	Squeezing a Prism into a Surface: Emulating Bulk Optics with Achromatic Metasurfaces. <i>Advanced Optical Materials</i> , 2020, 8, 2000942.	3.6	17
129	PT -symmetric chiral metamaterials: Asymmetric PT -phase control. <i>Physical Review B</i> , 2020, 101, .	1.1	17
130	2D-patterned graphene metasurfaces for efficient third harmonic generation at THz frequencies. <i>Optics Express</i> , 2022, 30, 460.	1.7	17
131	Comment on "Acoustic Band Structure of Periodic Elastic Composites". <i>Physical Review Letters</i> , 1995, 75, 3580-3580.	2.9	16
132	Anapole Tolerance to Dissipation Losses in Thermally Tunable Water-Based Metasurfaces. <i>Physical Review Applied</i> , 2021, 15, .	1.5	16
133	Phase separation in the Hubbard model. <i>Physical Review B</i> , 1993, 47, 9208-9214.	1.1	15
134	Acoustic waves in random media. <i>Europhysics Letters</i> , 1997, 37, 7-12.	0.7	15
135	Propagation of solitons in hydrogen-bonded chains with mass variation. <i>Physical Review E</i> , 1997, 56, 1088-1096.	0.8	14
136	Backward wave radiation from negative permittivity waveguides and its use for THz subwavelength imaging. <i>Optics Express</i> , 2012, 20, 12752.	1.7	14
137	Dynamic anapole in metasurfaces made of sculptured cylinders. <i>Physical Review B</i> , 2019, 100, .	1.1	14
138	Random one-body approximation to the Hubbard model: magnetic interactions. <i>Journal of Physics C: Solid State Physics</i> , 1977, 10, 5017-5034.	1.5	13
139	Determination of the conductivity in disordered systems by the potential-well analogy. <i>Physical Review B</i> , 1985, 31, 7710-7713.	1.1	13
140	Parametric investigation and analysis of fishnet metamaterials in the microwave regime. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, B61.	0.9	13
141	Split-cube-resonator-based metamaterials for polarization-selective asymmetric perfect absorption. <i>Scientific Reports</i> , 2020, 10, 17653.	1.6	13
142	Shape-preserving beam transmission through non-Hermitian disordered lattices. <i>Physical Review A</i> , 2020, 102, .	1.0	13
143	Band-edge features in disordered systems. <i>Physical Review B</i> , 1985, 32, 8268-8277.	1.1	12
144	Scaling properties in highly anisotropic systems. <i>Physical Review B</i> , 1997, 56, R4297-R4300.	1.1	12

#	ARTICLE	IF	CITATIONS
145	Controlling THz and far-IR waves with chiral and bianisotropic metamaterials. EPJ Applied Metamaterials, 2015, 2, 15.	0.8	12
146	Transport velocity in two-dimensional random media. Physical Review B, 1995, 52, 10834-10840.	1.1	11
147	Dichotomous collective proton dynamics in ice. Physical Review B, 1998, 57, 234-245.	1.1	11
148	Electromagnetic wave propagation in an active medium and the equivalent Schrödinger equation with an energy-dependent complex potential. Physical Review B, 2005, 72, .	1.1	11
149	Universal behavior near the band edges for disordered systems: Numerical and coherent-potential-approximation studies. Physical Review B, 1988, 37, 8289-8297.	1.1	10
150	Localization and electron-phonon interactions in disordered systems. Europhysics Letters, 1996, 33, 459-464.	0.7	10
151	Phonon Propagation in Ordered Diblock Copolymer Solutions. Macromolecules, 2004, 37, 5006-5010.	2.2	10
152	Theory of Electron Band Tails and the Urbach Optical-Absorption Edge. Physical Review Letters, 1986, 57, 2877-2877.	2.9	9
153	Elastodynamic behavior of the three dimensional layer-by-layer metamaterial structure. Journal of Applied Physics, 2014, 116, 133503.	1.1	9
154	3D-Printed Metasurface Units for Potential Energy Harvesting Applications at the 2.4 GHz Frequency Band. Crystals, 2021, 11, 1089.	1.0	9
155	Phonons in suspensions of hard sphere colloids: Volume fraction dependence. Journal of Chemical Physics, 2004, 121, 7849.	1.2	8
156	Ultraviolet radiation impact on the efficiency of commercial crystalline silicon-based photovoltaics: a theoretical thermal-electrical study in realistic device architectures. OSA Continuum, 2020, 3, 1436.	1.8	8
157	Spectral density correlations and eigenfunction fluctuations in one-dimensional quasi-periodic systems. Journal of Physics Condensed Matter, 1991, 3, 5499-5513.	0.7	7
158	Self-trapping properties and recurrence phenomena in a modified discrete non-linear Schrodinger equation. Journal of Physics Condensed Matter, 1994, 6, 7847-7856.	0.7	7
159	Comment on "Energy Velocity of Diffusing Waves in Strongly Scattering Media". Physical Review Letters, 1999, 82, 2000-2000.	2.9	7
160	Spontaneous-relaxation-rate suppression in cavities with $PT$ symmetry. Physical Review A, 2019, 99, .	1.0	7
161	Scattering Properties of $PT$ -Symmetric Chiral Metamaterials. Photonics, 2020, 7, 43.	0.9	7
162	Spectral Gaps for Classical Waves in Periodic Structures. NATO ASI Series Series B: Physics, 1993, , 317-338.	0.2	7

#	ARTICLE	IF	CITATIONS
163	Nonlinear Collective Proton Dynamics in Ice Crystal: Square Lattice Model for Ionic Defects. Physical Review Letters, 1994, 73, 2871-2874.	2.9	6
164	Optical properties of SimGenssuperlattices: A CPA treatment of the interface diffusion. Physical Review B, 1997, 55, 10760-10775.	1.1	6
165	Zhao et al. Reply. Physical Review Letters, 2010, 105, .	2.9	6
166	Is Antidot-Patterned Graphene Aromatic? Unusual Aromatic Properties of Graphene Antidot Lattices and Antidot-Functionalized Nanographenes. Journal of Physical Chemistry C, 2016, 120, 756-764.	1.5	6
167	Accessible phases via wave impedance engineering with PT -symmetric metamaterials. Physical Review B, 2019, 100, .	1.1	6
168	Chirality sensing employing parity-time-symmetric and other resonant gain-loss optical systems. Physical Review B, 2022, 105, .	1.1	6
169	Polarons on a one-dimensional nonlinear lattice. Physical Review B, 1993, 48, 13518-13523.	1.1	5
170	Small- q electron-phonon scattering and linear dc resistivity in high- T c oxides. Europhysics Letters, 1998, 42, 313-318.	0.7	5
171	Possible molecular bottom-up approach to optical metamaterials. Physical Review B, 2012, 86, .	1.1	5
172	Graded-index optical dimer formed by optical force. Optics Express, 2016, 24, 11376.	1.7	5
173	Polaritonic cylinders as multifunctional metamaterials: Single scattering and effective medium description. Physical Review B, 2020, 102, .	1.1	5
174	Tails in the Density of States. , 1987, , 681-695.		5
175	Fracton density of states by the maximum-entropy method. Physical Review B, 1991, 43, 11171-11176.	1.1	4
176	Local spin clustering and phase separation in the Hubbard model. Journal of Physics Condensed Matter, 1993, 5, 4505-4518.	0.7	4
177	The Anderson transition in a model of coupled random polymer chains. Journal of Physics Condensed Matter, 1996, 8, L605-L610.	0.7	4
178	Kinetic and transport equations for localized excitations in the sine-Gordon model. Physical Review E, 1999, 60, 6645-6655.	0.8	4
179	Negative Index Materials: New Frontiers in Optics. , 2005, , FTuX1.		4
180	Dependence of the energy and form of the optical-absorption onset of interface diffusion in SinGemsuperlattices. Physical Review B, 1997, 55, R4887-R4890.	1.1	3

#	ARTICLE	IF	CITATIONS
181	Localization in weakly coupled planes and weakly coupled wires. Physical Review B, 1997, 56, 12221-12231.	1.1	3
182	A multi-projection non-contact tomography setup for imaging arbitrary geometries. , 2005, , .		3
183	The Fourth Quadrant in the $\mu$ , $\frac{1}{4}$ Plane: A New Frontier in Optics. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1827-1836.	0.4	3
184	Photonic Band Gaps in Periodic Dielectric Structures: Relation to the Single-Scatterer Mie Resonances. NATO ASI Series Series B: Physics, 1993, , 289-297.	0.2	3
185	Electronic Structure and Optical Properties of Si/Ge Superlattices. Europhysics Letters, 1995, 31, 113-118.	0.7	2
186	Toroidal Multipoles in Metamaterials. , 2020, , 237-278.		2
187	Absence of weak antilocalization for spin-1 particle waves. Physical Review B, 1992, 46, 10487-10489.	1.1	1
188	Additivity of diffusion coefficients for solitons. Europhysics Letters, 1996, 36, 87-92.	0.7	1
189	<title>Experimental demonstration of a fast analytical method for modeling photon propagation in diffusive media with arbitrary geometry</title>. , 2001, , .		1
190	3D in-vivo imaging of GFP-expressing T-cells in mice with non-contact fluorescence molecular tomography (Invited Paper). , 2005, , .		1
191	3D in vivo imaging of GFP-expressing T-cells in mice with non-contact fluorescence molecular tomography. , 2006, , .		1
192	Superlensing Effects in Anisotropic Eutectic Metamaterials in the THz Range. , 2011, , .		1
193	Casimir forces of metallic microstructures into cavities. Physical Review B, 2015, 92, .	1.1	1
194	Combining chirality and PT-symmetry in metamaterials. , 2019, , .		1
195	Elastic Waves in Periodic Composite Materials. , 1996, , 143-164.		1
196	A multiprojection noncontact fluorescence tomography setup for imaging arbitrary geometries. , 2005, , .		1
197	A Field Theoretic Formalism for Electron-Phonon Interactions in Disordered Materials. Progress of Theoretical Physics Supplement, 1984, 80, 76-93.	0.2	0
198	Existence of Anderson Localization of Classical Waves in a Random Two-Component Medium. Physical Review Letters, 1989, 62, 1577-1577.	2.9	0

#	ARTICLE	IF	CITATIONS
199	Polarons on a one-dimensional non-linear lattice with two structural phases. Journal of Physics Condensed Matter, 1994, 6, 421-430.	0.7	0
200	Nonlinear Collective Proton Dynamics in Ice Crystals: Square Lattice Model for Ionic Defects. Physical Review Letters, 1995, 74, 1493-1493.	2.9	0
201	Sonic crystals worth shouting about. Physics World, 2000, 13, 26-27.	0.0	0
202	Left Handed Metamaterials: A New Frontier In Optics?. AIP Conference Proceedings, 2007, , .	0.3	0
203	Left-Handed Materials in Microwave and Infrared Frequencies. , 2007, , .		0
204	Slow light with electromagnetically induced transparency in metamaterials. , 2009, , .		0
205	Fixing by Thinking: The Power of Dimensional Analysis. , 2009, , .		0
206	Chiral metamaterials reduce the attractive Casimir force. , 2010, , .		0
207	Dielectric rod metasurfaces: Exploiting toroidal and magnetic dipole resonances. , 2017, , .		0
208	Demonstration of Ultrafast THz Absorption Modulation in a Graphene-Based Thin Absorber. , 2019, , .		0
209	Anapoles in dielectric metasurfaces and thermal tunability: theory and experiments. , 2021, , .		0
210	Optical metamaterials: Possibilities and limitations. , 2010, , .		0
211	Graded-index Media for Optical Manipulation. , 2017, , .		0