

Eleftherios Economou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

196
papers

11,762
citations

53
h-index

105
g-index

215
ext. papers

12,975
ext. citations

3.8
avg, IF

6.34
L-index

#	Paper	IF	Citations
196	2D-patterned graphene metasurfaces for efficient third harmonic generation at THz frequencies.. <i>Optics Express</i> , 2022 , 30, 460-472	3.3	2
195	Transport and spectral features in non-Hermitian open systems. <i>Physical Review Research</i> , 2021 , 3,	3.9	8
194	Combined nano and micro structuring for enhanced radiative cooling and efficiency of photovoltaic cells. <i>Scientific Reports</i> , 2021 , 11, 11552	4.9	3
193	Anapole Tolerance to Dissipation Losses in Thermally Tunable Water-Based Metasurfaces. <i>Physical Review Applied</i> , 2021 , 15,	4.3	9
192	3D-Printed Metasurface Units for Potential Energy Harvesting Applications at the 2.4 GHz Frequency Band. <i>Crystals</i> , 2021 , 11, 1089	2.3	3
191	PT-symmetric chiral metamaterials: Asymmetric effects and PT-phase control. <i>Physical Review B</i> , 2020 , 101,	3.3	4
190	Toward Intelligent Metasurfaces: The Progress from Globally Tunable Metasurfaces to Software-Defined Metasurfaces with an Embedded Network of Controllers. <i>Advanced Optical Materials</i> , 2020 , 8, 2000783	8.1	66
189	Scattering Properties of PT-Symmetric Chiral Metamaterials. <i>Photonics</i> , 2020 , 7, 43	2.2	2
188	Toroidal Multipoles in Metamaterials 2020 , 237-278		2
187	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, 18548-18565	3.3	21
186	Ultraviolet radiation impact on the efficiency of commercial crystalline silicon-based photovoltaics: a theoretical thermal-electrical study in realistic device architectures. <i>OSA Continuum</i> , 2020 , 3, 1436	1.4	3
185	Non-Hermitian disorder in two-dimensional optical lattices. <i>Physical Review B</i> , 2020 , 101,	3.3	38
184	Squeezing a Prism into a Surface: Emulating Bulk Optics with Achromatic Metasurfaces. <i>Advanced Optical Materials</i> , 2020 , 8, 2000942	8.1	9
183	Polaritonic cylinders as multifunctional metamaterials: Single scattering and effective medium description. <i>Physical Review B</i> , 2020 , 102,	3.3	1
182	Split-cube-resonator-based metamaterials for polarization-selective asymmetric perfect absorption. <i>Scientific Reports</i> , 2020 , 10, 17653	4.9	7
181	Shape-preserving beam transmission through non-Hermitian disordered lattices. <i>Physical Review A</i> , 2020 , 102,	2.6	7
180	Flexible 3D Printed Conductive Metamaterial Units for Electromagnetic Applications in Microwaves. <i>Materials</i> , 2020 , 13,	3.5	10

179	Exploration of Intercell Wireless Millimeter-Wave Communication in the Landscape of Intelligent Metasurfaces. <i>IEEE Access</i> , 2019 , 7, 122931-122948	3.5	27
178	Dynamic anapole in metasurfaces made of sculptured cylinders. <i>Physical Review B</i> , 2019 , 100,	3.3	8
177	Chiral Metamaterials with PT Symmetry and Beyond. <i>Physical Review Letters</i> , 2019 , 122, 213201	7.4	15
176	Perfect optical absorption with nanostructured metal films: design and experimental demonstration. <i>Optics Express</i> , 2019 , 27, 6842-6850	3.3	23
175	Spontaneous-relaxation-rate suppression in cavities with PT symmetry. <i>Physical Review A</i> , 2019 , 99,	2.6	5
174	Nanoscale Channel Modeling in Highly Integrated Computing Packages 2019 , 127-150		
173	Experimental Demonstration of Ultrafast THz Modulation in a Graphene-Based Thin Film Absorber through Negative Photoinduced Conductivity. <i>ACS Photonics</i> , 2019 , 6, 720-727	6.3	77
172	Accessible phases via wave impedance engineering with PT-symmetric metamaterials. <i>Physical Review B</i> , 2019 , 100,	3.3	4
171	Intercell Wireless Communication in Software-defined Metasurfaces 2018 ,		22
170	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	8.1	44
169	Programmable Metasurfaces: State of the Art and Prospects 2018 ,		32
168	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	2.6	22
167	Extremely high Q-factor metamaterials due to anapole excitation. <i>Physical Review B</i> , 2017 , 95,	3.3	128
166	Electromagnetic shielding effectiveness of 3D printed polymer composites. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	33
165	Toroidal eigenmodes in all-dielectric metamolecules. <i>Physical Review B</i> , 2016 , 94,	3.3	46
164	Is Antidot-Patterned Graphene Aromatic? Unusual Aromatic Properties of Graphene Antidot Lattices and Antidot-Functionalized Nanographenes. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 756-764	3.8	6
163	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	3	62
162	Interrelation of Aromaticity and Conductivity of Graphene Dots/Antidots and Related Nanostructures. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 29463-29475	3.8	12

161	Graded-index optical dimer formed by optical force. <i>Optics Express</i> , 2016 , 24, 11376-86	3.3	2
160	Electromagnetic shielding effectiveness and mechanical properties of graphite-based polymeric films. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	17
159	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	3.8	22
158	Casimir forces of metallic microstructures into cavities. <i>Physical Review B</i> , 2015 , 92,	3.3	1
157	Dielectric Metamaterials with Toroidal Dipolar Response. <i>Physical Review X</i> , 2015 , 5,	9.1	96
156	Controlling THz and far-IR waves with chiral and bianisotropic metamaterials. <i>EPJ Applied Metamaterials</i> , 2015 , 2, 15	0.8	11
155	Three-Dimensional Infrared Metamaterial with Asymmetric Transmission. <i>ACS Photonics</i> , 2015 , 2, 287-294.	4.3	100
154	Optically controllable THz chiral metamaterials. <i>Optics Express</i> , 2014 , 22, 12149-59	3.3	60
153	Phononic crystals and elastodynamics: Some relevant points. <i>AIP Advances</i> , 2014 , 4, 124203	1.5	17
152	Elastodynamic behavior of the three dimensional layer-by-layer metamaterial structure. <i>Journal of Applied Physics</i> , 2014 , 116, 133503	2.5	7
151	Epsilon near zero based phenomena in metamaterials. <i>Physical Review B</i> , 2013 , 87,	3.3	33
150	Eutectic epsilon-near-zero metamaterial terahertz waveguides. <i>Optics Letters</i> , 2013 , 38, 1140-2	3	33
149	Flexible chiral metamaterials in the terahertz regime: a comparative study of various designs. <i>Optical Materials Express</i> , 2012 , 2, 1702	2.6	55
148	Backward wave radiation from negative permittivity waveguides and its use for THz subwavelength imaging. <i>Optics Express</i> , 2012 , 20, 12752-60	3.3	12
147	Self-organization approach for THz polaritonic metamaterials. <i>Optics Express</i> , 2012 , 20, 14663-82	3.3	39
146	Possible molecular bottom-up approach to optical metamaterials. <i>Physical Review B</i> , 2012 , 86,	3.3	4
145	Two-dimensional polaritonic photonic crystals as terahertz uniaxial metamaterials. <i>Physical Review B</i> , 2011 , 84,	3.3	40
144	Repulsive Casimir forces with finite-thickness slabs. <i>Physical Review B</i> , 2011 , 83,	3.3	32

143	Comparison of chiral metamaterial designs for repulsive Casimir force. <i>Physical Review B</i> , 2010 , 81,	3.3	48
142	Zhao et al. Reply:. <i>Physical Review Letters</i> , 2010 , 105,	7.4	4
141	Magnetic response of nanoscale left-handed metamaterials. <i>Physical Review B</i> , 2010 , 81,	3.3	39
140	The Physics of Solids. <i>Graduate Texts in Physics</i> , 2010 ,	0.3	20
139	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	1.7	10
138	Planar designs for electromagnetically induced transparency in metamaterials. <i>Optics Express</i> , 2009 , 17, 5595-605	3.3	161
137	Compact planar far-field superlens based on anisotropic left-handed metamaterials. <i>Physical Review B</i> , 2009 , 80,	3.3	22
136	Broadband blueshift tunable metamaterials and dual-band switches. <i>Physical Review B</i> , 2009 , 79,	3.3	81
135	Repulsive Casimir force in chiral metamaterials. <i>Physical Review Letters</i> , 2009 , 103, 103602	7.4	175
134	Low-loss metamaterials based on classical electromagnetically induced transparency. <i>Physical Review Letters</i> , 2009 , 102, 053901	7.4	530
133	The Fourth Quadrant in the μ -Plane: A New Frontier in Optics. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009 , 6, 1827-1836	0.3	3
132	Strong diamagnetic response in split-ring-resonator metamaterials: Numerical study and two-loop model. <i>Physical Review B</i> , 2008 , 77,	3.3	30
131	Negative index short-slab pair and continuous wires metamaterials in the far infrared regime. <i>Optics Express</i> , 2008 , 16, 9173-80	3.3	29
130	Multi-gap individual and coupled split-ring resonator structures. <i>Optics Express</i> , 2008 , 16, 18131-44	3.3	78
129	The science of negative index materials. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 304217	1.8	52
128	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	3.7	31
127	Magnetic response of split ring resonators at terahertz frequencies. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 1181-1187	1.3	34
126	Experimental verification of backward wave propagation at photonic crystal surfaces. <i>Applied Physics Letters</i> , 2007 , 91, 214102	3.4	14

125	Backward surface waves at photonic crystals. <i>Physical Review B</i> , 2007 , 75,	3.3	24
124	Noncontact optical imaging in mice with full angular coverage and automatic surface extraction. <i>Applied Optics</i> , 2007 , 46, 3617-27	1.7	51
123	Left-handed metamaterials: The fishnet structure and its variations. <i>Physical Review B</i> , 2007 , 75,	3.3	277
122	3D in vivo imaging of GFP-expressing T-cells in mice with non-contact fluorescence molecular tomography 2006 ,		1
121	Experimental demonstration of negative magnetic permeability in the far-infrared frequency regime. <i>Applied Physics Letters</i> , 2006 , 89, 084103	3.4	42
120	Green's Functions in Quantum Physics. <i>Springer Series in Solid-state Sciences</i> , 2006 ,	0.4	363
119	A multi-projection non-contact tomography setup for imaging arbitrary geometries 2005 ,		3
118	3D in-vivo imaging of GFP-expressing T-cells in mice with non-contact fluorescence molecular tomography (Invited Paper) 2005 ,		1
117	The spectrum of vibration modes in soft opals. <i>Journal of Chemical Physics</i> , 2005 , 123, 121104	3.9	32
116	Impact of inherent periodic structure on effective medium description of left-handed and related metamaterials. <i>Physical Review B</i> , 2005 , 71,	3.3	219
115	Electromagnetic wave propagation in an active medium and the equivalent Schrödinger equation with an energy-dependent complex potential. <i>Physical Review B</i> , 2005 , 72,	3.3	11
114	Mechanical strength of amorphous CaCO ₃ colloidal spheres. <i>Langmuir</i> , 2005 , 21, 6666-8	4	26
113	Magnetic response of split-ring resonators in the far-infrared frequency regime. <i>Optics Letters</i> , 2005 , 30, 1348-50	3	169
112	Left-handed metamaterials: detailed numerical studies of the transmission properties. <i>Journal of Optics</i> , 2005 , 7, S12-S22		92
111	Classical vibrational modes in phononic lattices: theory and experiment. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2005 , 220,	1	162
110	Saturation of the magnetic response of split-ring resonators at optical frequencies. <i>Physical Review Letters</i> , 2005 , 95, 223902	7.4	467
109	Negative Index Materials: New Frontiers in Optics 2005 , FTuX1		
108	Left- and right-handed transmission peaks near the magnetic resonance frequency in composite metamaterials. <i>Physical Review B</i> , 2004 , 70,	3.3	48

107	Phonons in suspensions of hard sphere colloids: volume fraction dependence. <i>Journal of Chemical Physics</i> , 2004 , 121, 7849-54	3.9	7
106	Effective medium theory of left-handed materials. <i>Physical Review Letters</i> , 2004 , 93, 107402	7.4	260
105	Electric coupling to the magnetic resonance of split ring resonators. <i>Applied Physics Letters</i> , 2004 , 84, 2943-2945	3.4	348
104	Phonon Propagation in Ordered Diblock Copolymer Solutions. <i>Macromolecules</i> , 2004 , 37, 5006-5010	5.5	10
103	Optimal tuning of lasing modes through collective particle resonance. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004 , 21, 141	1.7	15
102	Electron States, Localized 2003 ,		1
101	Refraction in media with a negative refractive index. <i>Physical Review Letters</i> , 2003 , 90, 107402	7.4	304
100	Phonons in colloidal systems. <i>Journal of Chemical Physics</i> , 2003 , 118, 5224-5240	3.9	61
99	Phonons in colloidal crystals. <i>Europhysics Letters</i> , 2002 , 58, 699-704	1.6	17
98	Experimental demonstration of a fast analytical method for modeling photon propagation in diffusive media with arbitrary geometry 2001 ,		1
97	Air bubbles in water: a strongly multiple scattering medium for acoustic waves. <i>Physical Review Letters</i> , 2000 , 84, 6050-3	7.4	103
96	Gap deformation and classical wave localization in disordered two-dimensional photonic-band-gap materials. <i>Physical Review B</i> , 2000 , 61, 13458-13464	3.3	76
95	Acoustic excitations in suspensions of soft colloids. <i>Physical Review Letters</i> , 2000 , 85, 4622-5	7.4	37
94	Comment on Energy Velocity of Diffusing Waves in Strongly Scattering Media <i>Physical Review Letters</i> , 1999 , 82, 2000-2000	7.4	6
93	Kinetic and transport equations for localized excitations in the sine-Gordon model. <i>Physical Review E</i> , 1999 , 60, 6645-55	2.4	4
92	Multiple-scattering theory for three-dimensional periodic acoustic composites. <i>Physical Review B</i> , 1999 , 60, 11993-12001	3.3	276
91	Electronic localization in disordered systems. <i>Waves in Random and Complex Media</i> , 1999 , 9, 255-269		51
90	Tight-Binding Parametrization for Photonic Band Gap Materials. <i>Physical Review Letters</i> , 1998 , 81, 1405-1408	7.4	184

89	Small- q electron-phonon scattering and linear dc resistivity in high- T c oxides. <i>Europhysics Letters</i> , 1998 , 42, 313-318	1.6	4
88	Dichotomous collective proton dynamics in ice. <i>Physical Review B</i> , 1998 , 57, 234-245	3.3	10
87	Acoustic waves in random media. <i>Europhysics Letters</i> , 1997 , 37, 7-12	1.6	10
86	Propagation of solitons in hydrogen-bonded chains with mass variation. <i>Physical Review E</i> , 1997 , 56, 1088-1096	1.4	14
85	Optical properties of SinGem superlattices: A CPA treatment of the interface diffusion. <i>Physical Review B</i> , 1997 , 55, 10760-10775	3.3	5
84	Dependence of the energy and form of the optical-absorption onset of interface diffusion in SinGem superlattices. <i>Physical Review B</i> , 1997 , 55, R4887-R4890	3.3	2
83	Scaling properties in highly anisotropic systems. <i>Physical Review B</i> , 1997 , 56, R4297-R4300	3.3	11
82	Localization in weakly coupled planes and weakly coupled wires. <i>Physical Review B</i> , 1997 , 56, 12221-12231	3.3	3
81	Additivity of diffusion coefficients for solitons. <i>Europhysics Letters</i> , 1996 , 36, 87-92	1.6	1
80	Localization and electron-phonon interactions in disordered systems. <i>Europhysics Letters</i> , 1996 , 33, 459-464	1.6	9
79	The Anderson transition in a model of coupled random polymer chains. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, L605-L610	1.8	4
78	Attenuation of multiple-scattered sound. <i>Europhysics Letters</i> , 1996 , 36, 241-246	1.6	118
77	Anderson localization for two interacting electrons in a disordered chain. <i>Physical Review B</i> , 1996 , 54, 8469-8473	3.3	16
76	Localization in highly anisotropic systems. <i>Physical Review Letters</i> , 1996 , 76, 3614-3617	7.4	39
75	Elastic Waves in Periodic Composite Materials 1996 , 143-164		1
74	Electron-phonon interaction, localization, and polaron formation in one-dimensional systems. <i>Physical Review B</i> , 1995 , 51, 15038-15052	3.3	44
73	Transport velocity in two-dimensional random media. <i>Physical Review B</i> , 1995 , 52, 10834-10840	3.3	10
72	Electronic Structure and Optical Properties of Si/Ge Superlattices. <i>Europhysics Letters</i> , 1995 , 31, 113-118	1.6	2

71	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	3.3	73
70	Comment on "Acoustic band structure of periodic elastic composites". <i>Physical Review Letters</i> , 1995 , 75, 3580	7.4	14
69	Polarons on a one-dimensional non-linear lattice with two structural phases. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, 421-430	1.8	
68	Self-trapping properties and recurrence phenomena in a modified discrete non-linear Schrodinger equation. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, 7847-7856	1.8	7
67	Spectral gaps for electromagnetic and scalar waves: Possible explanation for certain differences. <i>Physical Review B</i> , 1994 , 50, 3393-3396	3.3	38
66	One-dimensional localization with correlated disorder. <i>Physical Review B</i> , 1994 , 50, 5110-5118	3.3	18
65	Nonlinear collective proton dynamics in ice crystal: Square lattice model for ionic defects. <i>Physical Review Letters</i> , 1994 , 73, 2871-2874	7.4	5
64	Electron-phonon interactions and recurrence phenomena in one-dimensional systems. <i>Physical Review B</i> , 1994 , 49, 7036-7039	3.3	17
63	Stop bands for elastic waves in periodic composite materials. <i>Journal of the Acoustical Society of America</i> , 1994 , 95, 1734-1740	2.2	124
62	Elastic waves in plates with periodically placed inclusions. <i>Journal of Applied Physics</i> , 1994 , 75, 2845-2850.	2.5	129
61	Propagation of classical waves in random media. <i>Physical Review B</i> , 1994 , 49, 3800-3810	3.3	82
60	Transport and scattering mean free paths of classical waves. <i>Physical Review B</i> , 1994 , 50, 93-98	3.3	46
59	Reflectionless modes in chains with large-size homogeneous impurities. <i>Journal of Physics A</i> , 1993 , 26, 2803-2813		40
58	Polarons on a one-dimensional nonlinear lattice. <i>Physical Review B</i> , 1993 , 48, 13518-13523	3.3	5
57	Local spin clustering and phase separation in the Hubbard model. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 4505-4518	1.8	4
56	Phase separation in the Hubbard model. <i>Physical Review B</i> , 1993 , 47, 9208-9214	3.3	14
55	Classical wave propagation in periodic structures: Cermet versus network topology. <i>Physical Review B</i> , 1993 , 48, 13434-13438	3.3	144
54	Polarons in a one-dimensional quasiperiodic model. <i>Physical Review B</i> , 1993 , 47, 740-752	3.3	19

53	Photonic band gaps and defects in two dimensions: Studies of the transmission coefficient. <i>Physical Review B</i> , 1993 , 48, 14121-14126	3.3	154
52	Photonic Band Gaps in Periodic Dielectric Structures: Relation to the Single-Scatterer Mie Resonances. <i>NATO ASI Series Series B: Physics</i> , 1993 , 289-297		3
51	Spectral Gaps for Classical Waves in Periodic Structures. <i>NATO ASI Series Series B: Physics</i> , 1993 , 317-338		7
50	Polaron formation in one-dimensional quasiperiodic systems. <i>Physical Review Letters</i> , 1992 , 68, 2370-2374	3.4	20
49	Spectral density singularities, level statistics, and localization in a sparse random matrix ensemble. <i>Physical Review Letters</i> , 1992 , 68, 361-364	7.4	69
48	Absence of weak antilocalization for spin-1 particle waves. <i>Physical Review B</i> , 1992 , 46, 10487-10489	3.3	1
47	Spectral density correlations and eigenfunction fluctuations in one-dimensional quasi-periodic systems. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 5499-5513	1.8	7
46	Fracton density of states by the maximum-entropy method. <i>Physical Review B</i> , 1991 , 43, 11171-11176	3.3	4
45	Classical wave propagation in periodic structures. <i>Physical Review B</i> , 1989 , 40, 1334-1337	3.3	79
44	Calculation of optical transport and localization quantities. <i>Physical Review B</i> , 1989 , 40, 7977-7980	3.3	26
43	Anisotropic tight-binding model for localization. <i>Physical Review B</i> , 1989 , 40, 2825-2830	3.3	43
42	Existence of Anderson localization of classical waves in a random two-component medium. <i>Physical Review Letters</i> , 1989 , 62, 575-578	7.4	62
41	Lattice-soliton scattering in nonlinear atomic chains. <i>Physical Review B</i> , 1988 , 37, 3534-3541	3.3	41
40	Band tails, path integrals, instantons, polarons, and all that. <i>IBM Journal of Research and Development</i> , 1988 , 32, 82-92	2.5	32
39	Localization for correlated binary-alloy disorder. <i>Physical Review B</i> , 1988 , 37, 4399-4407	3.3	18
38	Simple derivation of exponential tails in the density of states. <i>Physical Review B</i> , 1988 , 37, 2714-2717	3.3	33
37	Universal behavior near the band edges for disordered systems: Numerical and coherent-potential-approximation studies. <i>Physical Review B</i> , 1988 , 37, 8289-8297	3.3	10
36	Scattering properties of solitons in nonlinear disordered chains. <i>Physical Review B</i> , 1988 , 38, 11888-11893	3.3	25

35	Localization in quantum percolation: Transfer-matrix calculations in three dimensions. <i>Physical Review B</i> , 1987 , 36, 8649-8655	3-3	54
34	Tails in the Density of States 1987 , 681-695		4
33	Fractal character of wave functions in one-dimensional incommensurate systems. <i>Physical Review B</i> , 1986 , 33, 4936-4940	3-3	31
32	Localization in three-dimensional systems by a Gaussian random potential. <i>Physical Review B</i> , 1986 , 34, 2253-2257	3-3	29
31	Theory of electron band tails and the Urbach optical-absorption edge. <i>Physical Review Letters</i> , 1986 , 57, 1777-1780	7-4	23 ¹
30	Theory of Electron Band Tails and the Urbach Optical-Absorption Edge. <i>Physical Review Letters</i> , 1986 , 57, 2877-2877	7-4	5
29	Conductivity in disordered systems. <i>Physical Review B</i> , 1985 , 31, 6483-6489	3-3	24
28	Determination of the conductivity in disordered systems by the potential-well analogy. <i>Physical Review B</i> , 1985 , 31, 7710-7713	3-3	12
27	Localization in two- and three-dimensional systems away from the band center. <i>Physical Review B</i> , 1985 , 32, 7811-7816	3-3	58
26	Quantitative results near the band edges of disordered systems. <i>Physical Review B</i> , 1985 , 31, 6172-6183	3-3	51
25	Band-edge features in disordered systems. <i>Physical Review B</i> , 1985 , 32, 8268-8277	3-3	10
24	Electronic and transport properties of hydrogenated amorphous silicon. <i>Physical Review B</i> , 1985 , 31, 2410-2415	3-3	26
23	Fractal Character of Eigenstates in Disordered Systems. <i>Physical Review Letters</i> , 1984 , 52, 565-568	7-4	13 ⁸
22	Small-bipolaron formation. <i>Physical Review B</i> , 1984 , 29, 4496-4499	3-3	53
21	Bipolarons in disordered media. <i>Physical Review B</i> , 1984 , 29, 4500-4504	3-3	18
20	A Field Theoretic Formalism for Electron-Phonon Interactions in Disordered Materials. <i>Progress of Theoretical Physics Supplement</i> , 1984 , 80, 76-93		
19	Exponential Band Tails in Random Systems. <i>Physical Review Letters</i> , 1984 , 53, 616-619	7-4	10 ⁸
18	Localized states in disordered systems as bound states in potential wells. <i>Physical Review B</i> , 1984 , 30, 1686-1694	3-3	94

17	Connection of localization with the problem of the bound state in a potential well. <i>Physical Review B</i> , 1983 , 28, 1093-1094	3-3	43
16	Theoretical study of optical absorption in hydrogenated amorphous silicon. <i>Physical Review B</i> , 1983 , 28, 2232-2234	3-3	17
15	Polaron Formation near a Mobility Edge. <i>Physical Review Letters</i> , 1983 , 51, 1202-1205	7-4	73
14	Green's Functions in Quantum Physics. <i>Springer Series in Solid-state Sciences</i> , 1983 ,	0-4	479
13	Study of electronic states with off-diagonal disorder in two dimensions. <i>Physical Review B</i> , 1982 , 26, 1838-1841	3-3	183
12	Localization in One-Dimensional Lattices in the Presence of Incommensurate Potentials. <i>Physical Review Letters</i> , 1982 , 48, 1043-1046	7-4	147
11	Static Conductance and Scaling Theory of Localization in One Dimension. <i>Physical Review Letters</i> , 1981 , 46, 618-621	7-4	257
10	Economou and Soukoulis Respond. <i>Physical Review Letters</i> , 1981 , 47, 973-973	7-4	24
9	Off-diagonal disorder in one-dimensional systems. <i>Physical Review B</i> , 1981 , 24, 5698-5702	3-3	119
8	Calculations of the electronic properties of hydrogenated silicon. <i>Physical Review B</i> , 1981 , 24, 7233-7246	3-3	112
7	Random one-body approximation to the Hubbard model. III. Application to higher-dimensional lattices. <i>Physical Review B</i> , 1978 , 18, 3968-3975	3-3	27
6	Random one-body approximation to the Hubbard model. I. Formalism. <i>Physical Review B</i> , 1978 , 18, 3946-3958	3-3	39
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