Peter A Bobbert

List of Publications by Year
in descending order

173 papers	8,891 citations	46918 47 h-index	46693 89 g-index
177 all docs	177 docs citations	177 times ranked	7851 citing authors

#	Article	IF	Citations
1	Image-Force-Stabilized Interfacial Dipole Layer Impedes Charge Injection Into Disordered Organic Semiconductors. Physical Review Applied, 2022, 17, .	1.5	3
2	Accurate and fast master equationÂmodeling of triplet-triplet annihilation in organic phosphorescent emission layers including correlations. Physical Review B, 2022, 105, .	1.1	1
3	Hopping-Transport Mechanism for Reconfigurable Logic in Disordered Dopant Networks. Physical Review Applied, 2022, 17, .	1.5	2
4	1/f Noise and Machine Intelligence in a Nonlinear Dopant Atom Network. Small Science, 2021, 1, 2000014.	5.8	14
5	Mechanistic description of the efficiency loss in organic phosphorescent hostâ€“guest systems due to triplet-polaron quenching. Organic Electronics, 2021, 91, 106058.	1.4	3
6	Unified theory for light-induced halide segregation in mixed halide perovskites. Nature Communications, 2021, 12, 2687.	5.8	70
7	Effect of Light-Induced Halide Segregation on the Performance of Mixed-Halide Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 6650-6658.	2.5	26
8	Suppressing exciton deconfinement and dissociation for efficient thermally activated delayed fluorescence OLEDs. Journal of Applied Physics, 2021, 130, 155501.	1.1	0
9	Single-layer method for quantifying the triplet exciton diffusion coefficient in disordered organic semiconductor materials. Organic Electronics, 2020, 77, 105510.	1.4	4
10	A deep-learning approach to realizing functionality in nanoelectronic devices. Nature Nanotechnology, 2020, 15, 992-998.	15.6	41
11	Effects of exciton deconfinement on the transient photoluminescence from thermally activated delayed fluorescence hostâ€“guest systems. Journal of Applied Physics, 2020, 128, 075501.	1.1	4
12	High energy acceptor states strongly enhance exciton transfer between metal organic phosphorescent dyes. Nature Communications, 2020, 11, 1292.	5.8	16
13	Ballistic Phonons in Ultrathin Nanowires. Nano Letters, 2020, 20, 2703-2709.	4.5	30
14	Classification with a disordered dopant-atom network in silicon. Nature, 2020, 577, 341-345.	13.7	53
15	Diameter-dependent thermal conductivity of ultrathin GaP nanowires: A molecular dynamics study. Physical Review B, 2020, 101, .	1.1	9
16	Quantitative predictions of photoelectron spectra in amorphous molecular solids from multiscale quasiparticle embedding. Physical Review B, 2020, 101, .	1.1	8
17	Triplet exciton diffusion in metalorganic phosphorescent host-guest systems from first principles. Physical Review B, 2019, 99, .	1.1	17
18	Equilibrated Charge Carrier Populations Govern Steady-State Nongeminate Recombination in Disordered Organic Solar Cells. Journal of Physical Chemistry Letters, 2019, 10, 1374-1381.	2.1	18

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19	Shortâ€Channel Vertical Organic Fieldâ€Effect Transistors with High On/Off Ratios. Advanced Electronic Materials, 2019, 5, 1900041.	2.6	9
20	Effect of exciton diffusion on the triplet-triplet annihilation rate in organic semiconductor host-guest systems. Physical Review B, 2019, 99, .	1.1	18
21	Simulating Phase Separation during Spin Coating of a Polymerâ€“Fullerene Blend: A Joint Computational and Experimental Investigation. ACS Applied Energy Materials, 2018, 1, 725-735.	2.5	34
22	Full quantum treatment of charge dynamics in amorphous molecular semiconductors. Physical Review B, 2018, 97, .	1.1	31
23	Theory of Hyperfine Field-Induced Organic Magnetic Field Effects. Materials and Energy, 2018, , 39-90.	2.5	0
24	Effect of Triplet Confinement on Tripletâ€“Triplet Annihilation in Organic Phosphorescent Hostâ€“Guest Systems. Advanced Functional Materials, 2018, 28, 1804618.	7.8	60
25	Three-Dimensional Modeling of Bipolar Charge-Carrier Transport and Recombination in Disordered Organic Semiconductor Devices at Low Voltages. Physical Review Applied, 2018, 10, .	1.5	11
26	Stabilizing Lead-Free All-Inorganic Tin Halide Perovskites by Ion Exchange. Journal of Physical Chemistry C, 2018, 122, 17660-17667.	1.5	68
27	Interstitial Occupancy by Extrinsic Alkali Cations in Perovskites and Its Impact on Ion Migration. Advanced Materials, 2018, 30, e1707350.	11.1	233
28	Charge transport in nanoscale vertical organic semiconductor pillar devices. Scientific Reports, 2017, 7, 41171.	1.6	9
29	Effects of energy correlations and superexchange on charge transport and exciton formation in amorphous molecular semiconductors: An ab initio study. Physical Review B, 2017, 95, .	1.1	33
30	Accurate and efficient band gap predictions of metal halide perovskites using the DFT-1/2 method: GW accuracy with DFT expense. Scientific Reports, 2017, 7, 14386.	1.6	125
31	Effect of Coulomb correlation on charge transport in disordered organic semiconductors. Physical Review B, 2017, 96, .	1.1	29
32	Fabrication, electrical characterization and device simulation of vertical P3HT field-effect transistors. Journal of Science: Advanced Materials and Devices, 2017, 2, 501-514.	1.5	7
33	FÃ¶rster-type triplet-polaron quenching in disordered organic semiconductors. Physical Review B, 2017, 96, .	1.1	20
34	Effect of polaron diffusion on exciton-polaron quenching in disordered organic semiconductors. Physical Review B, 2017, 95, .	1.1	32
35	Modeling carrier density dependent charge transport in semiconducting carbon nanotube networks. Physical Review Materials, 2017, 1, .	0.9	35
36	Kinetic Monte Carlo modeling of the efficiency roll-off in a multilayer white organic light-emitting device. Applied Physics Letters, 2016, 108, .	1.5	14

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37	Ab initio modeling of steady-state and time-dependent charge transport in hole-only Î±-NPD devices. Applied Physics Letters, 2016, 109, .	1.5	12
38	Charge Transport by Superexchange in Molecular Host-Guest Systems. Physical Review Letters, 2016, 117, 276803.	2.9	41
39	Effect of FÃ¶rster-mediated triplet-polaron quenching and triplet-triplet annihilation on the efficiency roll-off of organic light-emitting diodes. Journal of Applied Physics, 2016, 119, .	1.1	38
40	Inhibition of platelet function with clopidogrel is associated with a reduction of inflammation in patients with peripheral artery disease. Cardiovascular Revascularization Medicine, 2016, 17, 169-175.	0.3	7
41	Clarifying the mechanism of tripletâ€“triplet annihilation in phosphorescent organic hostâ€“guest systems: A combined experimental and simulation study. Chemical Physics Letters, 2016, 652, 142-147.	1.2	25
42	Analysis of the phosphorescent dye concentration dependence of triplet-triplet annihilation in organic host-guest systems. Chemical Physics Letters, 2016, 662, 221-227.	1.2	18
43	Molecular dynamics simulation of poly(3â€hexylthiophene) helical structure In Vacuo and in amorphous polymer surrounding. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2448-2456.	2.4	16
44	Ab initiocharge-carrier mobility model for amorphous molecular semiconductors. Physical Review B, 2016, 93, .	1.1	46
45	Solventâ€Dependent Structure Formation in Drying P3HT:PCBM Films Studied by Molecular Dynamics Simulations. Macromolecular Theory and Simulations, 2016, 25, 550-558.	0.6	13
46	Kinetic Monte Carlo study of triplet-triplet annihilation in organic phosphorescent emitters. Journal of Applied Physics, 2015, 117, .	1.1	31
47	Kinetic Monte Carlo simulation of the efficiency roll-off, emission color, and degradation of organic light-emitting diodes (Presentation Recording). , 2015, , .		0
48	Kinetic Monte Carlo Study of the Sensitivity of OLED Efficiency and Lifetime to Materials Parameters. Advanced Functional Materials, 2015, 25, 2024-2037.	7.8	81
49	Monte Carlo study of efficiency roll-off of phosphorescent organic light-emitting diodes: Evidence for dominant role of triplet-polaron quenching. Applied Physics Letters, 2014, 105, .	1.5	77
50	Intrinsic magnetic field effects in organic semiconductors. MRS Bulletin, 2014, 39, 590-595.	1.7	9
51	Platelet activation and thrombus formation relates to the presence of myocardial inflammation in patients with cardiomyopathy. Journal of Cardiology, 2014, 63, 379-384.	0.8	13
52	Universal Size-Dependent Conductance Fluctuations in Disordered Organic Semiconductors. Physical Review Letters, 2014, 113, 116604.	2.9	26
53	Manipulating spin in organic spintronics. Science, 2014, 345, 1450-1451.	6.0	7
54	Study of charge-carrier relaxation in a disordered organic semiconductor by simulating impedance spectroscopy. Applied Physics Letters, 2014, 104, .	1.5	14

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55	Large magnetic field effects in electrochemically doped organic light-emitting diodes. Physical Review B, 2013, 88, .	1.1	24
56	Charge-carrier relaxation in disordered organic semiconductors studied by dark injection: Experiment and modeling. Physical Review B, 2013, 88, .	1.1	13
57	Molecular-scale simulation of electroluminescence in a multilayer white organic light-emitting diode. Nature Materials, 2013, 12, 652-658.	13.3	146
58	Ultrahigh Magnetoresistance at Room Temperature in Molecular Wires. Science, 2013, 341, 257-260.	6.0	87
59	Is there more than meets the eye?. Nature Nanotechnology, 2013, 8, 887-887.	15.6	0
60	Postmenopausal women have an increased maximal platelet reactivity compared to men despite dual antiplatelet therapy. Blood Coagulation and Fibrinolysis, 2012, 23, 723-728.	0.5	22
61	High leptin and resistin expression in chronic heart failure: adverse outcome in patients with dilated and inflammatory cardiomyopathy. European Journal of Heart Failure, 2012, 14, 1265-1275.	2.9	52
62	Effects of Gaussian disorder on charge carrier transport and recombination in organic semiconductors. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2354-2377.	0.8	95
63	Dimensionality of charge transport in organic field-effect transistors. Physical Review B, 2012, 85, .	1.1	42
64	Theory of exciton dynamics in molecular aggregates in presence of polaronic effects. Chemical Physics Letters, 2012, 529, 69-73.	1.2	7
65	Route towards huge magnetoresistance in doped polymers. Physical Review B, 2012, 86, .	1.1	24
66	Scaling theory for percolative charge transport in molecular semiconductors: Correlated versus uncorrelated energetic disorder. Physical Review B, 2012, 85, .	1.1	32
67	Modeling of charge transport across disordered organic heterojunctions. Organic Electronics, 2012, 13, 667-672.	1.4	16
68	Operational Stability of Organic Fieldâ€Effect Transistors. Advanced Materials, 2012, 24, 1146-1158.	11.1	213
69	Spin in organics: a new route to spintronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3602-3616.	1.6	30
70	Scaling Theory for Percolative Charge Transport in Disordered Molecular Semiconductors. Physical Review Letters, 2011, 107, 136601.	2.9	101
71	Leptin and resistin induce increased procoagulability in diabetes mellitus. Cytokine, 2011, 56, 332-337.	1.4	12
72	Effect of hyperfine interactions on exciton formation in organic semiconductors. Synthetic Metals, 2011, 161, 613-616.	2.1	4

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73	Modeling of the transient mobility in disordered organic semiconductors with a Gaussian density of states. Physical Review B, 2011, 84, .	1.1	48
74	Magnetic-Field Dependence of the Electroluminescence of Organic Light-Emitting Diodes: A Competition between Exciton Formation and Spin Mixing. Physical Review Letters, 2011, 106, 197402.	2.9	106
75	Publisher's Note: Modeling of the transient mobility in disordered organic semiconductors with a Gaussian density of states [Phys. Rev. B84, 165210 (2011)]. Physical Review B, 2011, 84, .	1.1	0
76	Effect of Coulomb scattering from trapped charges on the mobility in an organic field-effect transistor. Physical Review B, 2011, 83, .	1.1	17
77	Microscopic modeling of magnetic-field effects on charge transport in organic semiconductors. Physical Review B, 2011, 84, .	1.1	118
78	Spin-Spin Interactions in Organic Magnetoresistance Probed by Angle-Dependent Measurements. Physical Review Letters, 2011, 106, 196802.	2.9	42
79	Influence of the semiconductor oxidation potential on the operational stability of organic field-effect transistors. Applied Physics Letters, 2011, 99, .	1.5	12
80	Monte Carlo study of charge transport in organic sandwich-type single-carrier devices: Effects of Coulomb interactions. Physical Review B, 2011, 83, .	1.1	88
81	THE MANY FACES OF ORGANIC MAGNETORESISTANCE. Spin, 2011, 01, 93-108.	0.6	44
82	Field-induced detrapping in disordered organic semiconducting host-guest systems. Physical Review B, 2010, 82, .	1.1	19
83	What makes the spin relax?. Nature Materials, 2010, 9, 288-290.	13.3	30
84	Anomalous current transients in organic field-effect transistors. Applied Physics Letters, 2010, 96, 103306.	1.5	25
85	Extreme Sensitivity of Circular Dichroism to Long-Range Excitonic Couplings in Helical Supramolecular Assemblies. Journal of Physical Chemistry B, 2010, 114, 817-825.	1.2	28
86	Spin relaxation and magnetoresistance in disordered organic semiconductors. Synthetic Metals, 2010, 160, 223-229.	2.1	35
87	Bias stress effect and recovery in organic field effect transistors: proton migration mechanism. Proceedings of SPIE, 2010, , .	0.8	0
88	Proton migration mechanism for operational instabilities in organic field-effect transistors. Physical Review B, 2010, 82, .	1.1	48
89	Publisher's Note: Modeling and analysis of the three-dimensional current density in sandwich-type single-carrier devices of disordered organic semiconductors [Phys. Rev. B79, 085203 (2009)]. Physical Review B, 2009, 79, .	1.1	8
90	Proton migration mechanism for the instability of organic field-effect transistors. Applied Physics Letters, 2009, 95, 253305.	1.5	52

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91	Increased plasma retinol binding protein 4 levels in patients with inflammatory cardiomyopathy. European Journal of Heart Failure, 2009, 11, 1163-1168.	2.9	35
92	Monolayer coverage and channel length set the mobility in self-assembled monolayer field-effect transistors. Nature Nanotechnology, 2009, 4, 674-680.	15.6	121
93	Carrier-density and field-dependent charge-carrier mobility in organic semiconductors with correlated Gaussian disorder. Organic Electronics, 2009, 10, 437-445.	1.4	150
94	Theory for Spin Diffusion in Disordered Organic Semiconductors. Physical Review Letters, 2009, 102, 156604.	2.9	167
95	Optical Spectra and Stokes Shift in Double-Stranded Helical Supramolecular Assemblies. Journal of Physical Chemistry B, 2009, 113, 9708-9717.	1.2	12
96	Theoretical study of fluorescence of self-assembling helical supramolecular aggregates. Synthetic Metals, 2009, 159, 2384-2386.	2.1	0
97	Charge transport in disordered organic hostâ€“guest systems: Effects of carrier density and electric field. Synthetic Metals, 2009, 159, 2399-2401.	2.1	10
98	Electron-hole recombination in disordered organic semiconductors: Validity of the Langevin formula. Physical Review B, 2009, 80, .	1.1	80
99	Modeling and analysis of the three-dimensional current density in sandwich-type single-carrier devices of disordered organic semiconductors. Physical Review B, 2009, 79, .	1.1	105
100	Magnetoresistance in Hybrid Organic Spin Valves at the Onset of Multiple-Step Tunneling. Physical Review Letters, 2009, 103, 146601.	2.9	91
101	Charge Trapping at the Dielectric of Organic Transistors Visualized in Real Time and Space. Advanced Materials, 2008, 20, 975-979.	11.1	141
102	Diadenosine polyphosphates Ap3A and Ap4A, but not Ap5A or Ap6A, induce proliferation of vascular smooth muscle cells. Biochemical Pharmacology, 2008, 75, 1966-1973.	2.0	11
103	Charge transport in disordered organic hostâ€“guest systems: effects of carrier density and electric field. Journal of Physics Condensed Matter, 2008, 20, 335204.	0.7	29
104	A two-site bipolaron model for organic magnetoresistance. Journal of Applied Physics, 2008, 103, 07F303.	1.1	63
105	Globular adiponectin but not full-length adiponectin induces increased procoagulability in human endothelial cells. Journal of Molecular and Cellular Cardiology, 2008, 44, 388-394.	0.9	22
106	Photoluminescence Spectra of Self-Assembling Helical Supramolecular Assemblies: A Theoretical Study. Journal of Physical Chemistry B, 2008, 112, 12386-12393.	1.2	7
107	Bipolaron Mechanism for Organic Magnetoresistance. Physical Review Letters, 2007, 99, 216801.	2.9	424
108	Scanning Kelvin probe microscopy on organic field-effect transistors during gate bias stress. Applied Physics Letters, 2007, 90, 192104.	1.5	35

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109	Dynamics of Threshold Voltage Shifts in Organic and Amorphous Silicon Fieldâ€Effect Transistors. Advanced Materials, 2007, 19, 2785-2789.	11.1	223
110	Unified description of potential profiles and electrical transport in unipolar and ambipolar organic field-effect transistors. Physical Review B, 2007, 76, .	1.1	33
111	Structure and conductivity of clusters generated by variable-range hopping percolation. Physical Review B, 2006, 73, .	1.1	4
112	Universality of AC conductivity: Random site-energy model with Fermi statistics. Physical Review B, 2006, 74, .	1.1	18
113	Calculating charge-carrier mobilities in disordered semiconducting polymers: Mean field and beyond. Physical Review B, 2006, 74, .	1.1	53
114	Charge-carrier mobilities in disordered semiconducting polymers: effects of carrier density and electric field. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 267-270.	0.8	29
115	Nonperturbative theory of exciton-phonon resonances in semiconductor absorption. Physical Review B, 2005, 72, .	1.1	6
116	Charge-carrier concentration dependence of the hopping mobility in organic materials with Gaussian disorder. Physical Review B, 2005, 72, .	1.1	381
117	Ab-Initio Theory of Charge Transport in Organic Crystals. AIP Conference Proceedings, 2005, , .	0.3	7
118	Scaling of current distributions in variable-range hopping transport on two- and three-dimensional lattices. Physical Review B, 2005, 72, .	1.1	14
119	Polarons in semiconducting polymers: Study within an extended Holstein model. Physical Review B, 2005, 71, .	1.1	37
120	Unified Description of Charge-Carrier Mobilities in Disordered Semiconducting Polymers. Physical Review Letters, 2005, 94, 206601.	2.9	836
121	Temperature, charge carrier density, and electric field dependence of mobilities in disordered conjugated polymers: simulation results. Synthetic Metals, 2005, 152, 157-160.	2.1	10
122	Nonlocal electron-phonon coupling: Consequences for the nature of polaron states. Physical Review B, 2004, 69, .	1.1	26
123	Anisotropy effects in phonon-assisted charge-carrier transport in organic molecular crystals. Physical Review B, 2004, 69, .	1.1	117
124	Theory of polaron bandwidth narrowing in organic molecular crystals. Physical Review B, 2004, 69, .	1.1	253
125	Ab initio theory of charge-carrier conduction in ultrapure organic crystals. Applied Physics Letters, 2004, 85, 1535-1537.	1.5	171
126	Temperature and field dependence of the mobility in 1D for a Gaussian density of states. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 164-167.	0.8	7

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127	Nonlocal electronâ€“phonon coupling: influence on the nature of polarons. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 172-175.	0.8	3
128	A note on temperature-dependent band narrowing in oligo-acene crystals. Journal of Physics Condensed Matter, 2004, 16, 2023-2032.	0.7	18
129	Ab initio study of energy-level alignments in polymer-dye blends. Chemical Physics Letters, 2003, 381, 392-396.	1.2	10
130	Theory of bandwidth narrowing in oligo-acene crystals. Synthetic Metals, 2003, 137, 891-892.	2.1	3
131	Two-dimensional electron-hole capture in a disordered hopping system. Physical Review B, 2003, 68, .	1.1	45
132	Electronic and optical excitations in crystalline conjugated polymers. Physical Review B, 2002, 66, .	1.1	22
133	Parameter-free calculation of single-particle electronic excitations inYH3. Physical Review B, 2002, 66, .	1.1	31
134	Spatially Resolved STM Spectroscopy of Charge Injection at the Ladder-Type Poly(para-phenylene)/Au(111) Interface. Advanced Functional Materials, 2002, 12, 117-122.	7.8	26
135	Excitons in conjugated polymers from first principles. Computer Physics Communications, 2002, 147, 331-334.	3.0	6
136	Calculation of excitonic properties of conjugated polymers using the Betheâ€“Salpeter equation. Journal of Chemical Physics, 2001, 114, 6950-6957.	1.2	114
137	Many-body solid-state methods for the calculation of the electronic and optical properties of conjugated polymers. Synthetic Metals, 2001, 119, 209-210.	2.1	4
138	Predicting polarizabilities and lifetimes of excitons on conjugated polymer chains. Chemical Physics Letters, 2001, 334, 303-308.	1.2	28
139	CaB6: A New Semiconducting Material for Spin Electronics. Physical Review Letters, 2001, 87, 016401.	2.9	133
140	Coulomb-blockade transport in single-crystal organic thin-film transistors. Nature, 2000, 404, 977-980.	13.7	134
141	Parameter-Free Quasiparticle Calculations forYH3. Physical Review Letters, 2000, 85, 2989-2992.	2.9	72
142	Ab initioprediction of the electronic and optical excitations in polythiophene: Isolated chains versus bulk polymer. Physical Review B, 2000, 61, 15817-15826.	1.1	47
143	Ab InitioCalculation of the Electronic and Optical Excitations in Polythiophene: Effects of Intra- and Interchain Screening. Physical Review Letters, 1999, 83, 4413-4416.	2.9	142
144	Ab-initio calculation of quasi-particle bandstructure, exciton binding energies and dielectric properties of polythiophene. Synthetic Metals, 1999, 101, 333-334.	2.1	8

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145	Optical properties of square lattices of gold nanoparticles. Scripta Materialia, 1999, 12, 725-730.	0.5	21
146	First-order corrections to random-phase approximationGWcalculations in silicon and diamond. Physical Review B, 1998, 57, 11962-11973.	1.1	25
147	Ab initioquasiparticle energies in2H,4H, and6HSiC. Physical Review B, 1998, 58, 6795-6799.	1.1	16
148	Density Functional Theory for Holes in Semiconductors. Physical Review Letters, 1998, 80, 3159-3159.	2.9	2
149	Many-particle effects in Be-Î´-dopedGaAs/AlxGa1â^'xAsquantum wells. Physical Review B, 1998, 58, 1424-1435.	1.1	9
150	Exchange-correlation energy of a hole gas including valence band coupling. Physical Review B, 1997, 56, 3664-3671.	1.1	29
151	On the correlation function of 1/f noise. Physica B: Condensed Matter, 1997, 239, 223-230.	1.3	42
152	On the Band Gap Variation in SiC Polytypes. Physica Status Solidi (B): Basic Research, 1997, 202, 63-79.	0.7	43
153	Lowest-order corrections to the RPA polarizability andGWself-energy of a semiconducting wire. Physical Review B, 1996, 54, 2374-2380.	1.1	14
154	Kronig-Penney-like description for band gap variation in SiC polytypes. Physica B: Condensed Matter, 1996, 217, 207-211.	1.3	2
155	Self-consistentGWfor a quasi-one-dimensional semiconductor. Physical Review B, 1995, 52, 11000-11007.	1.1	33
156	Plasmon and quasiparticle band structures in Î²-SiC. Physical Review B, 1995, 51, 4950-4952.	1.1	23
157	Lowest-order vertex-correction contribution to the direct gap of silicon. Physical Review B, 1994, 49, 10326-10331.	1.1	26
158	Energy-band structure of SiC polytypes by interface matching of electronic wave functions. Physical Review B, 1994, 49, 7564-7568.	1.1	47
159	Phase transitions in dissipative Josephson chains: Monte Carlo results and response functions. Physical Review B, 1992, 45, 2294-2304.	1.1	46
160	Simulation of vortex motion in underdamped two-dimensional arrays of Josephson junctions. Physical Review B, 1992, 45, 7540-7543.	1.1	30
161	Quantum Monte Carlo simulation of a dissipative chain of Josephson junctions. Physica B: Condensed Matter, 1991, 169, 701-702.	1.3	0
162	Coherent Cooper pair tunneling in systems of Josephson junctions: Effects of quasiparticle tunneling and of the electromagnetic environment. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1991, 85, 459-467.	1.1	65

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163	Phase transitions in dissipative Josephson chains. Physical Review B, 1990, 41, 4009-4016.	1.1	32
164	Optical properties of 2D-systems of small particles on a substrate. Physica A: Statistical Mechanics and Its Applications, 1989, 157, 269-278.	1.2	18
165	The polarizability of truncated spheres and oblate spheroids on a substrate: Comparison with experimental results. Thin Solid Films, 1988, 164, 57-62.	0.8	7
166	Theory of light reflection from a substrate sparsely seeded with spheres: Comparison with an ellipsometric experiment. Thin Solid Films, 1988, 164, 63-67.	0.8	6
167	The polarizability of a spheroidal particle on a substrate. Physica A: Statistical Mechanics and Its Applications, 1987, 147, 115-141.	1.2	64
168	The polarizability of a truncated sphere on a substrate II. Physica A: Statistical Mechanics and Its Applications, 1987, 143, 164-182.	1.2	60
169	Diffusion to an assembly of slowly growing particles on a substrate. Physica A: Statistical Mechanics and Its Applications, 1987, 146, 69-88.	1.2	47
170	Diffusion to a slowly growing truncated sphere on a substrate. Physica A: Statistical Mechanics and Its Applications, 1987, 141, 58-72.	1.2	79
171	Light reflection from a substrate sparsely seeded with spheres - comparison with an ellipsometric experiment. Physica A: Statistical Mechanics and Its Applications, 1986, 137, 243-257.	1.2	68
172	Light scattering by a sphere on a substrate. Physica A: Statistical Mechanics and Its Applications, 1986, 137, 209-242.	1.2	259
173	Accurate and efficient band gap predictions of metal halide perovskites using the DFT-1/2 method: GW accuracy with DFT expense. , 0, , .		2