

Sergei Baranovskii

List of Publications by Year in descending order

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155
papers

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citations

101543

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158
docs citations

158
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical description of charge transport in disordered organic semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 487-525.	1.5	273
2	Coulomb gap in disordered systems: computer simulation. <i>Journal of Physics C: Solid State Physics</i> , 1979, 12, 1023-1034.	1.5	150
3	Charge-carrier transport in disordered organic solids. <i>Physical Review B</i> , 2000, 62, 7934-7938.	3.2	144
4	Electronic transport and recombination in amorphous semiconductors at low temperatures. <i>Physical Review Letters</i> , 1989, 62, 2989-2992.	7.8	140
5	Temperature-dependent exciton luminescence in quantum wells by computer simulation. <i>Physical Review B</i> , 1998, 58, 13081-13087.	3.2	134
6	On the conduction mechanism in ionic glasses. <i>Journal of Chemical Physics</i> , 1999, 111, 7546-7557.	3.0	113
7	Calculating the Efficiency of Exciton Dissociation at the Interface between a Conjugated Polymer and an Electron Acceptor. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1214-1221.	4.6	95
8	How to Find Out the Density of States in Disordered Organic Semiconductors. <i>Physical Review Letters</i> , 2012, 108, 226403.	7.8	87
9	The applicability of the transport-energy concept to various disordered materials. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 2699-2706.	1.8	85
10	Quantitative description of disorder parameters in (GaIn)(NAs) quantum wells from the temperature-dependent photoluminescence spectroscopy. <i>Journal of Applied Physics</i> , 2005, 98, 063518.	2.5	81
11	Concentration dependence of the hopping mobility in disordered organic solids. <i>Physical Review B</i> , 2004, 69, .	3.2	78
12	Exact Solution for Hopping Dissociation of Geminate Electron-Hole Pairs in a Disordered Chain. <i>Physical Review Letters</i> , 2008, 100, 196602.	7.8	71
13	Lucky drift impact ionization in amorphous semiconductors. <i>Journal of Applied Physics</i> , 2004, 96, 2037-2048.	2.5	70
14	One-dimensional hopping transport in disordered organic solids. Analytic calculations. <i>Physical Review B</i> , 2001, 63, .	3.2	67
15	Model of temperature quenching of photoluminescence in disordered semiconductors and comparison to experiment. <i>Physical Review B</i> , 2006, 73, .	3.2	65
16	Percolation Approach to Hopping Transport in Organic Disordered Solids. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 230, 281-288.	1.5	64
17	Optical dephasing in semiconductor mixed crystals. <i>Physical Review B</i> , 1992, 46, 4564-4581.	3.2	62
18	Theory of exciton dissociation at the interface between a conjugated polymer and an electron acceptor. <i>Physical Review B</i> , 2011, 84, .	3.2	62

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19	High-field hopping transport in band tails of disordered semiconductors. <i>Physical Review B</i> , 1995, 51, 16705-16713.	3.2	60
20	Optical- and acoustical-phonon-assisted hopping of localized excitons in CdTe/ZnTe quantum wells. <i>Physical Review B</i> , 1992, 45, 4253-4257.	3.2	58
21	Theoretical tools for the description of charge transport in disordered organic semiconductors. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 093201.	1.8	54
22	Temperature-dependent optical properties of InAs/GaAs quantum dots: Independent carrier versus exciton relaxation. <i>Physical Review B</i> , 2005, 72, .	3.2	53
23	Avalanche multiplication phenomenon in amorphous semiconductors: Amorphous selenium versus hydrogenated amorphous silicon. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	52
24	Mott Lecture: Description of Charge Transport in Disordered Organic Semiconductors: Analytical Theories and Computer Simulations. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700676.	1.8	51
25	STEMsalabim: A high-performance computing cluster friendly code for scanning transmission electron microscopy image simulations of thin specimens. <i>Ultramicroscopy</i> , 2017, 177, 91-96.	1.9	50
26	The concept of transport energy and its application to steady-state photoconductivity in amorphous silicon. <i>Journal of Non-Crystalline Solids</i> , 1995, 190, 283-287.	3.1	47
27	Formation Energies of Antiphase Boundaries in GaAs and GaP: An ab Initio Study. <i>International Journal of Molecular Sciences</i> , 2009, 10, 5104-5114.	4.1	45
28	Photoconductivity response time in amorphous semiconductors. <i>Physical Review B</i> , 1995, 51, 9661-9667.	3.2	44
29	Hopping relaxation of excitons in GaInNAs/GaNAs quantum wells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 109-112.	0.8	43
30	Peculiarities of the photoluminescence of metastable Ga(N,As,P)/GaP quantum well structures. <i>Physical Review B</i> , 2010, 82, .	3.2	40
31	Effect of electric field on diffusion in disordered materials. II. Two- and three-dimensional hopping transport. <i>Physical Review B</i> , 2010, 81, .	3.2	39
32	Energy relaxation of localized excitons at finite temperature. <i>Semiconductor Science and Technology</i> , 2001, 16, 486-492.	2.0	38
33	HOPPING PHOTOCONDUCTIVITY IN AMORPHOUS SEMICONDUCTORS: DEPENDENCE ON TEMPERATURE, ELECTRIC FIELD AND FREQUENCY. , 1990, , 161-191.		38
34	Effective temperature for hopping transport in a Gaussian density of states. <i>Physical Review B</i> , 2008, 77, .	3.2	37
35	Pyramidal Structure Formation at the Interface between III/V Semiconductors and Silicon. <i>Chemistry of Materials</i> , 2016, 28, 3265-3275.	6.7	37
36	On the efficiency of exciton dissociation at the interface between a conjugated polymer and an electron acceptor. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	37

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37	One-dimensional hopping transport in disordered organic solids. II. Monte Carlo simulations. Physical Review B, 2001, 63, .	3.2	36
38	Temperature-Induced Smearing of the Coulomb Gap: Experiment and Computer Simulation. Physical Review Letters, 1995, 75, 4764-4767.	7.8	35
39	Dimensional quantization in a-Si:H quantum-well structures: The alloy model. Physical Review B, 1990, 41, 7701-7704.	3.2	34
40	Columnar [001]-oriented nitrogen order in Ga(NAs) and (GaIn)(NAs) alloys. Applied Physics Letters, 2004, 85, 5908-5910.	3.3	34
41	Exciton line broadening by compositional disorder in alloy quantum wells. Physical Review B, 1993, 48, 17149-17154.	3.2	32
42	Theoretical description of hopping transport in disordered materials. Thin Solid Films, 2005, 487, 2-7.	1.8	32
43	Avalanche multiplication in amorphous selenium and its utilization in imaging. Journal of Non-Crystalline Solids, 2008, 354, 2691-2696.	3.1	32
44	Dynamics of localized excitons and high-excitation effects in II-VI quantum wells and heterostructures. Physica B: Condensed Matter, 1993, 191, 90-101.	2.7	31
45	Effect of electric field on diffusion in disordered materials. I. One-dimensional hopping transport. Physical Review B, 2010, 81, .	3.2	31
46	Concentration dependence of the transport energy level for charge carriers in organic semiconductors. Applied Physics Letters, 2010, 97, 143302.	3.3	30
47	Structural characteristics of gallium metal deposited on Si (001) by MOCVD. Journal of Crystal Growth, 2014, 405, 102-109.	1.5	30
48	Effect of exchange coupling on coherently controlled spin-dependent transition rates. Physical Review B, 2008, 77, .	3.2	29
49	Tailoring the magnetoresistance of MnAs _{1-x} Ga _x :Mn granular hybrid nanostructures. Applied Physics Letters, 2008, 92, 223119.	3.3	29
50	Lucky-drift model for impact ionization in amorphous semiconductors. Journal of Materials Science: Materials in Electronics, 2009, 20, 221-225.	2.2	29
51	Advanced percolation solution for hopping conductivity. Physical Review B, 2013, 87, .	3.2	29
52	Fluctuation-stimulated variable-range hopping. Solid State Communications, 2000, 113, 587-591.	1.9	28
53	Quantitative interpretation of the phonon-assisted redistribution processes of excitons in Zn _{1-x} Cd _x quantum islands. Physical Review B, 2004, 69, .	3.2	28
54	Transport and recombination through weakly coupled localized spin pairs in semiconductors during coherent spin excitation. Physical Review B, 2006, 74, .	3.2	27

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55	Strong non-Arrhenius temperature dependence of the resistivity in the regime of traditional band transport. Applied Physics Letters, 2006, 89, 112116.	3.3	26
56	Spectral dependence of the photoluminescence decay in disordered semiconductors. Applied Physics Letters, 2007, 91, 021903.	3.3	26
57	Fundamental characteristic length scale for the field dependence of hopping charge transport in disordered organic semiconductors. Physical Review B, 2017, 96, .	3.2	25
58	On the Einstein Relation for Hopping Electrons. Physica Status Solidi (B): Basic Research, 1998, 205, 87-90.	1.5	24
59	Lucky-drift model for avalanche multiplication in amorphous semiconductors. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 1186-1193.	0.8	24
60	Magnetic Interactions in Granular Paramagnetic/Ferromagnetic GaAs: Mn/MnAs Hybrids. Journal of Superconductivity and Novel Magnetism, 2006, 18, 315-320.	0.5	23
61	Resonant electron tunneling through defects in GaAs tunnel diodes. Journal of Applied Physics, 2008, 104, 094506.	2.5	22
62	Tunneling current modulation in atomically precise graphene nanoribbon heterojunctions. Nature Communications, 2021, 12, 2542.	12.8	22
63	Influence of magnetic-field-induced tuning of disorder and band structure on the magnetoresistance of paramagnetic dilute magnetic semiconductors. Physical Review B, 2004, 69, .	3.2	21
64	Charge transport mechanism in lead oxide revealed by CELIV technique. Scientific Reports, 2016, 6, 33359.	3.3	21
65	Spin-dependent localization effects in GaAs:Mn/MnAs granular paramagnetic/ferromagnetic hybrids at low temperatures. Superlattices and Microstructures, 2005, 37, 321-326.	3.1	20
66	Kinetics of the photostructural changes in a-Se films. Journal of Applied Physics, 2006, 100, 113506.	2.5	20
67	Percolation description of charge transport in amorphous oxide semiconductors. Physical Review B, 2019, 100, .	3.2	20
68	Tunneling conduction in Co-cluster/tetraoctylammonium bromide/poly(phenylacetylene/phenylenevinylene) nanocomposites. Journal of Applied Physics, 1995, 78, 7130-7136.	2.5	19
69	Thermal quenching of photoluminescence in Ga(AsBi). Journal of Applied Physics, 2015, 117, 025709.	2.5	19
70	Columnar recombination for X-ray generated electron-holes in amorphous selenium and its significance in a-Se x-ray detectors. Journal of Applied Physics, 2016, 119, .	2.5	19
71	On the Transport Properties of Microcrystalline Silicon at Low Temperatures. Physica Status Solidi (B): Basic Research, 1998, 205, 147-150.	1.5	18
72	Hopping conduction in strong electric fields: Negative differential conductivity. Physical Review B, 2008, 78, .	3.2	18

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73	Field dependence of hopping mobility: Lattice models against spatial disorder. <i>Physical Review B</i> , 2017, 96, .	3.2	18
74	Thermally stimulated conductivity in disordered semiconductors at low temperatures. <i>Physical Review B</i> , 1997, 55, 16226-16232.	3.2	17
75	Parametrization of the Gaussian Disorder Model to Account for the High Carrier Mobility in Disordered Organic Transistors. <i>Physical Review Applied</i> , 2021, 15, .	3.8	17
76	Recombination of Alloy-Trapped Excitons in Ternary Solid Solutions with Common Cation Components. <i>Physica Status Solidi (B): Basic Research</i> , 1994, 184, 159-170.	1.5	16
77	Evidence for Dipole-Dipole Hopping of GaAs Quantum Well Excitons. <i>Physical Review Letters</i> , 1997, 78, 4261-4264.	7.8	16
78	Energy scaling of compositional disorder in Ga(N,P,As)/GaP quantum well structures. <i>Physical Review B</i> , 2012, 86, .	3.2	16
79	Photoinduced nucleation in supersaturated mercury vapor. <i>Journal of Chemical Physics</i> , 1998, 108, 9775-9782.	3.0	15
80	Hopping conductivity in gated δ -doped GaAs: universality of prefactor. <i>Solid State Communications</i> , 1999, 112, 21-24.	1.9	15
81	Spectral and time dependences of the energy transfer of bound optical excitations in GaP(N). <i>Journal of Physics Condensed Matter</i> , 2008, 20, 015217.	1.8	15
82	Role of diffusion in two-dimensional bimolecular recombination. <i>Applied Physics Letters</i> , 2010, 96, 213304.	3.3	15
83	Energy position of the transport path in disordered organic semiconductors. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 255801.	1.8	15
84	Fluctuations of the peak current of tunnel diodes in multi-junction solar cells. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 155101.	2.8	13
85	Nonexponential photoluminescence transients in a Ga(NAsP) lattice matched to a (001) silicon substrate. <i>Physical Review B</i> , 2013, 87, .	3.2	13
86	Transport of electrons in lead oxide studied by CELIV technique. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 035103.	2.8	13
87	Comment on "Phase transition of an exciton system in GaAs coupled quantum wells" and on "Fermi-Dirac distribution of excitons in coupled quantum wells". <i>Physical Review Letters</i> , 1992, 69, 993-993.	7.8	12
88	Effective temperature for hopping transport in a Gaussian DOS. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 722-724.	0.8	12
89	Photoconductivity in amorphous selenium blocking structures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 790-795.	0.8	12
90	Large positive magnetoresistance effects in the dilute magnetic semiconductor (Zn,Mn)Se in the regime of electron hopping. <i>Journal of Applied Physics</i> , 2014, 116, 083710.	2.5	12

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91	Why the apparent order of bimolecular recombination in blend organic solar cells can be larger than two: A topological consideration. Applied Physics Letters, 2016, 109, 033301.	3.3	12
92	Electron drift mobility in hydrogenated amorphous Si $_{1-x}$ C $_x$ with a low carbon content. Philosophical Magazine Letters, 1993, 68, 173-178.	1.2	11
93	On the concentration and field dependences of the hopping mobility in disordered organic solids. Journal of Non-Crystalline Solids, 2006, 352, 1644-1647.	3.1	11
94	Nanoanalytical quantification of the nitrogen content in Ga(NAs) δ -GaAs by using transmission electron microscopy in combination with refined structure factor calculation. Applied Physics Letters, 2006, 88, 081910.	3.3	11
95	Theory to carrier recombination in organic disordered semiconductors. Journal of Applied Physics, 2014, 115, 223713.	2.5	11
96	Energy Scaling of Compositional Disorder in Ternary Transition-Metal Dichalcogenide Monolayers. Advanced Electronic Materials, 2021, 7, 2100196.	5.1	11
97	Hopping transport in 1D chains (DNA vs. DLC). Physica Status Solidi (B): Basic Research, 2004, 241, 76-82.	1.5	10
98	Nature and dynamics of carrier escape from InAs/GaAs quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 2397-2401.	0.8	10
99	Relaxation and recombination in InAs quantum dots. Physica Status Solidi (B): Basic Research, 2007, 244, 2803-2815.	1.5	10
100	Similarities in the kinetics of photocrystallization and photodarkening in a-Se. Applied Physics Letters, 2008, 93, .	3.3	10
101	Influence of disorder on electrically and optically detected electron spin nutation. Physical Review B, 2009, 79, .	3.2	10
102	Non-Onsager mechanism of long-wave photogeneration in amorphous selenium at high electric fields. Applied Physics Letters, 2012, 100, .	3.3	10
103	Electron glass transition in a lightly doped semiconductor. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1992, 65, 685-693.	0.6	9
104	Transport properties of microcrystalline silicon at low temperatures. Semiconductors, 1998, 32, 807-811.	0.5	8
105	Temperature-Dependent Exciton Luminescence in Coupled Quantum Wells. Physica Status Solidi (B): Basic Research, 1998, 205, R19-R20.	1.5	8
106	Model of annealing-induced short-range order effects in (Galn)(NP) alloys. Physical Review B, 2006, 74, .	3.2	8
107	Reversible vs irreversible photodarkening in a-Se: the kinetics study. Journal of Materials Science: Materials in Electronics, 2009, 20, 111-115.	2.2	8
108	Compositional dependence of the band gap in Ga(NAsP) quantum well heterostructures. Journal of Applied Physics, 2015, 118, .	2.5	8

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109	Light-induced nucleation and optical absorption in cesium vapor. <i>Journal of Chemical Physics</i> , 2000, 113, 4171-4178.	3.0	7
110	On disorder-enhanced diffusion in condensed aromatic melts. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2001, 81, 955-964.	0.6	7
111	Effects of dynamic disorder on the charge transport via DNA molecules. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1514.	2.8	7
112	Charge Transport in Disordered Materials. , 2006, , 161-186.		7
113	Quantitative modeling of the annealing-induced changes of the magnetotransport in Ga _{1-x} Mn _x As alloys. <i>Journal of Applied Physics</i> , 2007, 102, 073712.	2.5	7
114	Scaling approach to hopping magnetoresistivity in dilute magnetic semiconductors. <i>Physical Review B</i> , 2013, 88, .	3.2	7
115	Energy scale of compositional disorder in Ga(AsBi). <i>Journal Physics D: Applied Physics</i> , 2015, 48, 425101.	2.8	7
116	Influence of growth temperature and disorder on spectral and temporal properties of Ga(NAsP) heterostructures. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	7
117	Release of carriers from traps enhanced by hopping. <i>Physical Review B</i> , 2018, 98, .	3.2	7
118	Charge Transport in Disordered Materials. <i>Springer Handbooks</i> , 2017, , 1-1.	0.6	7
119	Analytical theory for charge carrier recombination in blend organic solar cells. <i>Physical Review B</i> , 2017, 95, .	3.2	6
120	Rethinking the theoretical description of photoluminescence in compound semiconductors. <i>Journal of Applied Physics</i> , 2018, 123, 055703.	2.5	6
121	Field-enhanced mobility in the multiple-trapping regime. <i>Physical Review B</i> , 2018, 98, .	3.2	6
122	Percolation description of charge transport in the random barrier model applied to amorphous oxide semiconductors. <i>Europhysics Letters</i> , 2019, 127, 57004.	2.0	6
123	On the time decay of the photoinduced condensation in supersaturated vapors. <i>Journal of Chemical Physics</i> , 1995, 103, 7796-7800.	3.0	5
124	Role of interactions in the energy-loss hopping and recombination of two-dimensional electrons and holes. <i>Physical Review B</i> , 1997, 55, 4575-4579.	3.2	5
125	One-dimensional lucky-drift model with scattering and movement asymmetries for impact ionization in amorphous semiconductors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 796-799.	0.8	4
126	Description of Charge Transport in Disordered Organic Materials. <i>Advances in Polymer Science</i> , 2009, , 1-28.	0.8	4

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127	Temperature dependent excitonic relaxation in CdSe/ZnSe quantum islands: experiment and computer simulation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 1509-1513.	0.8	3
128	Simulation of the Coulomb gap evolution in the Coulomb glass. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 694-698.	0.8	3
129	Hopping energy relaxation of localized excitons in GaP(N). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 768-771.	0.8	3
130	Analytical theory for favorable defects in tunnel diodes. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	3
131	Resonant tunneling as a dominant transport mechanism in n-GaAs ⁺ p-GaAs tunnel diodes. <i>Applied Physics Letters</i> , 2008, 92, 243504.	3.3	3
132	Band edge smearing due to compositional disorder in multi-component d -dimensional alloys. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 911-914.	2.4	3
133	Thermally Stimulated Conductivity in Disordered Semiconductors at Low Temperatures. <i>Physica Status Solidi (B): Basic Research</i> , 1998, 205, 91-96.	1.5	2
134	Comment on "Absence of Carrier Hopping in Porous Silicon". <i>Physical Review Letters</i> , 1998, 81, 3804-3804.	7.8	2
135	Base sequence dependence of charge transport via short DNA bridges. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, R46-R48.	1.5	2
136	Potential fluctuations in disordered semiconductors measured by transport and optical methods. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 113-116.	0.8	2
137	Concentration dependence of the hopping mobility in disordered organic solids. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 168-171.	0.8	2
138	Non-radiative recombination of optical excitations in (Galn)(NAs) quantum wells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 2481-2484.	0.8	2
139	Two-energy-scale model for description of the thermal quenching of photoluminescence in disordered Ga(As,Bi). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 1187-1190.	0.8	2
140	Excitation dependence of the photoluminescence lineshape in Ga(NAsP)/GaP multiple quantum well: experiment and Monte-Carlo simulation. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 025105.	2.8	2
141	Comment on "Interplay of Structural and Optoelectronic Properties in Formamidinium Mixed Tin-Lead Triiodide Perovskites". <i>Advanced Functional Materials</i> , 0, , 2201309.	14.9	2
142	Temperature dependence of the linewidth of shallow impurity spectral lines in lightly doped weakly compensated semiconductors. <i>Journal of Applied Physics</i> , 1992, 71, 2452-2454.	2.5	1
143	On the light absorption in amorphous semiconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2003, 14, 707-710.	2.2	1
144	Simulation of the phononless hopping in a Coulomb glass. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 279-282.	0.8	1

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145	Influence of non-random incorporation of Mn ions on the magnetotransport properties of Ga _{1-x} Mn _x As alloys. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 819-823.	0.8	1
146	On the application of the Edwards-Anderson order parameter to the Coulomb glass. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 481-484.	1.5	1
147	Negative differential conductivity in the hopping transport model. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 613-616.	1.8	1
148	Comment on "Charge transport in disordered semiconducting polymers driven by nuclear tunneling". <i>Physical Review B</i> , 2020, 102, .	3.2	1
149	Monte-Carlo Simulation of Energy Relaxation of Interacting Carriers in a-Si:H Under Arbitrary Electric Fields. <i>Materials Research Society Symposia Proceedings</i> , 1993, 297, 467.	0.1	0
150	Photoconductivity of Doped Amorphous Semiconductors at Low Temperatures. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 252, 23-30.	0.3	0
151	Long-time behavior of the diffusion-controlled A+B \rightarrow O reaction with hopping energy relaxation. <i>Journal of Chemical Physics</i> , 1997, 106, 3157-3158.	3.0	0
152	The influence of the water surrounding on a long-distance electron transport in the DNA. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 714-717.	0.8	0
153	Compositional disorder anomalies in Ga(N,P,As)/GaP quantum well structures. <i>Journal of Physics: Conference Series</i> , 2012, 376, 012021.	0.4	0
154	Electron spin flip Raman spectroscopy of the diluted magnetic semiconductor Zn _{1-x} Mn _x Se below the metal-insulator transition. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016, 13, 542-545.	0.8	0
155	Disorder-induced absorption of far-infrared waves by acoustic modes in nematic liquid crystals. <i>Journal of Applied Physics</i> , 2016, 120, 074901.	2.5	0