

Torsten Meier

List of Publications by Year in descending order

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256
papers

6,781
citations

81743

39
h-index

71532

76
g-index

265
all docs

265
docs citations

265
times ranked

4126
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent contributions to population dynamics in a semiconductor microcavity. <i>Physical Review B</i> , 2022, 105, .	1.1	4
2	Theoretical analysis of correlations between two quantum fields exciting a three-level system using the cluster-expansion approach. , 2022, , .		0
3	Microscopic simulations of high harmonic generation from semiconductors. , 2022, , .		1
4	Dark-state and loss-induced phenomena in the quantum-optical regime of \hat{I} -type three-level systems. <i>Physical Review A</i> , 2021, 103, .	1.0	7
5	Microscopic analysis of high harmonic generation in semiconductors with degenerate bands. <i>Physical Review B</i> , 2021, 103, .	1.1	18
6	Generating two-mode squeezing with multimode measurement-induced nonlinearity. <i>Journal of Physics Communications</i> , 2021, 5, 045002.	0.5	2
7	Approximate nonlinear wave solutions of the coupled two-component Gross-Pitaevskii equations with spin-orbit interaction. <i>New Journal of Physics</i> , 2021, 23, 043045.	1.2	2
8	Bright correlated twin-beam generation and radiation shaping in high-gain parametric down-conversion with anisotropy. <i>Optics Express</i> , 2021, 29, 21876.	1.7	0
9	Nondegenerate two-photon absorption in ZnSe: Experiment and theory. <i>Physical Review B</i> , 2021, 104, .	1.1	3
10	Low-field onset of Wannier-Stark localization in a polycrystalline hybrid organic inorganic perovskite. <i>Nature Communications</i> , 2021, 12, 5719.	5.8	6
11	Neighboring Atom Collisions in Solid-State High Harmonic Generation. <i>Ultrafast Science</i> , 2021, 2021, .	5.8	20
12	Coherent and incoherent contribution of population dynamics of semiconductor exciton-polaritons. , 2021, , .		0
13	Carrier-wave population transfer in semiconductors. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 082005.	0.3	0
14	Accurate photon echo timing by optical freezing of exciton dephasing and rephasing in quantum dots. <i>Communications Physics</i> , 2020, 3, .	2.0	10
15	Enhanced high-order harmonic generation in semiconductors by excitation with multicolor pulses. <i>Physical Review A</i> , 2020, 101, .	1.0	32
16	Strongly nonresonant four-wave mixing in semiconductors. <i>Physical Review B</i> , 2020, 101, .	1.1	5
17	Realization of all-optical vortex switching in exciton-polariton condensates. <i>Nature Communications</i> , 2020, 11, 897.	5.8	49
18	k.p-based multiband simulations of non-degenerate two-photon absorption in bulk GaAs. , 2020, , .		2

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19	Ballistic photocurrents in semiconductor quantum wells caused by the excitation of asymmetric excitons. <i>Physical Review B</i> , 2019, 100, .	1.1	6
20	Spatially asymmetric transients of propagating exciton-polariton modes in a planar CdZnTe/CdMgTe guiding structure. <i>Physical Review B</i> , 2019, 100, .	1.1	1
21	Subcycle Wannier-Stark Localization by Mid-Infrared Bias in Gallium Arsenide. <i>EPJ Web of Conferences</i> , 2019, 205, 05001.	0.1	0
22	Higher-order contributions and nonperturbative effects in the nondegenerate nonlinear optical absorption of semiconductors using a two-band model. <i>Physical Review B</i> , 2019, 99, .	1.1	12
23	Nonlinear integrated quantum electro-optic circuits. <i>Science Advances</i> , 2019, 5, eaat1451.	4.7	65
24	Intensity-dependent degenerate and non-degenerate nonlinear optical absorption of direct-gap semiconductors. , 2019, , .		1
25	Attosecond temporal confinement of interband excitation by intraband motion. <i>Optics Express</i> , 2019, 27, 2225.	1.7	31
26	Bloch oscillations of multidimensional dark soliton wave packets and light bullets. <i>Optics Letters</i> , 2019, 44, 1327.	1.7	0
27	Exotic complexes in one-dimensional Bose-Einstein condensates with spin-orbit coupling. <i>Scientific Reports</i> , 2018, 8, 3706.	1.6	10
28	Observation and Uses of Position-Space Bloch Oscillations in an Ultracold Gas. <i>Physical Review Letters</i> , 2018, 120, 213201.	2.9	47
29	Signatures of transient Wannier-Stark localization in bulk gallium arsenide. <i>Nature Communications</i> , 2018, 9, 2890.	5.8	40
30	Foundations of Coherent Transients in Semiconductors. , 2018, , 264-277.		0
31	Wannier-Stark Localization in Bulk Gallium Arsenide Induced by Extreme Mid-Infrared Fields. , 2018, , .		0
32	Nonlinearity-induced localization in a periodically driven semidiscrete system. <i>Physical Review E</i> , 2018, 97, 062210.	0.8	4
33	Monolithically Integrated Hong-Ou-Mandel Experiment in LiNbO ₃ . , 2018, , .		1
34	Manipulation of Two-Photon Interference by Entanglement. , 2018, , .		0
35	A microscopic approach to ultrafast near band gap photocurrents in bulk semiconductors. , 2017, , .		0
36	Damping of Rabi oscillations in intensity-dependent photon echoes from exciton complexes in a CdTe/(Cd,Mg)Te single quantum well. <i>Physical Review B</i> , 2017, 96, .	1.1	19

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37	Bloch oscillations and resonant radiation of light propagating in arrays of nonlinear fibers with high-order dispersion. <i>Physical Review A</i> , 2017, 96, .	1.0	7
38	Time-resolved photon echoes from donor-bound excitons in ZnO epitaxial layers. <i>Physical Review B</i> , 2017, 96, .	1.1	8
39	High-Resolution Two-Dimensional Optical Spectroscopy of Electron Spins. <i>Physical Review X</i> , 2017, 7, .	2.8	9
40	Modified two-photon interference achieved by the manipulation of entanglement. <i>Physical Review A</i> , 2017, 96, .	1.0	7
41	Anisotropic excitons and their contributions to shift current transients in bulk GaAs. <i>Physical Review B</i> , 2017, 96, .	1.1	4
42	Bloch oscillations sustained by nonlinearity. <i>Scientific Reports</i> , 2017, 7, 3194.	1.6	10
43	Toolbox for the design of LiNbO ₃ -based passive and active integrated quantum circuits. <i>New Journal of Physics</i> , 2017, 19, 123009.	1.2	53
44	Towards integrated superconducting detectors on lithium niobate waveguides. , 2017, , .		11
45	Precession and nutation dynamics of nonlinearly coupled non-coaxial three-dimensional matter wave vortices. <i>Scientific Reports</i> , 2016, 6, 22758.	1.6	8
46	Quantum interference control of electrical currents in GaAs microstructures: physics and spectroscopic applications. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	1
47	Simulations of high harmonic generation from plasmonic nanoparticles in the terahertz region. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	3
48	Ultrafast shift and rectification photocurrents in GaAs quantum wells: Excitation intensity dependence and the importance of band mixing. <i>Physical Review B</i> , 2016, 94, .	1.1	9
49	Two-dimensional symbiotic solitons and vortices in binary condensates with attractive cross-species interaction. <i>Scientific Reports</i> , 2016, 6, 34847.	1.6	12
50	Dynamics of dipoles and vortices in nonlinearly coupled three-dimensional field oscillators. <i>Physical Review E</i> , 2016, 94, 012207.	0.8	8
51	Ultrafast dynamical response of the lower exciton-polariton branch in CdZnTe. <i>Physical Review B</i> , 2016, 93, .	1.1	1
52	Indium oxide inverse opal films synthesized by structure replication method. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2016, 19, 55-63.	1.0	6
53	Advanced optical manipulation of carrier spins in (In,Ga)As quantum dots. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	3
54	Photocurrents in semiconductors and semiconductor quantum wells analyzed by k.p-based Bloch equations. , 2016, , .		1

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55	Curvature effects in the band structure of carbon nanotubes including spin-orbit coupling. Journal of Physics Condensed Matter, 2015, 27, 445501.	0.7	3
56	Creation of vortices by torque in multidimensional media with inhomogeneous defocusing nonlinearity. Scientific Reports, 2015, 5, 9420.	1.6	10
57	Multipoles and vortex multiplets in multidimensional media with inhomogeneous defocusing nonlinearity. New Journal of Physics, 2015, 17, 083043.	1.2	26
58	Time-domain calculations of shift currents in bulk GaAs. Proceedings of SPIE, 2015, , .	0.8	3
59	Sub-cycle control of multi-THz high-harmonic generation and all-coherent charge transport in bulk semiconductors. , 2015, , .		0
60	Nonlinear dynamics of Airy-vortex 3D wave packets: emission of vortex light waves. Optics Letters, 2014, 39, 5539.	1.7	25
61	Coupled Airy breathers. Optics Letters, 2014, 39, 5523.	1.7	55
62	Coherent Bloch Oscillations Driven by Ultrastrong THz Excitation. , 2014, , .		0
63	Engineering plasmonic and dielectric directional nanoantennas. Proceedings of SPIE, 2014, , .	0.8	1
64	Regeneration of Airy pulses in fiber-optic links with dispersion management of the two leading dispersion terms of opposite signs. Physical Review A, 2014, 89, .	1.0	18
65	Sub-cycle control of terahertz high-harmonic generation by dynamical Bloch oscillations. Nature Photonics, 2014, 8, 119-123.	15.6	808
66	Soliton Gyroscopes in Media with Spatially Growing Repulsive Nonlinearity. Physical Review Letters, 2014, 112, 020404.	2.9	72
67	Three-dimensional hybrid vortex solitons. New Journal of Physics, 2014, 16, 063035.	1.2	47
68	Theory of filtered type-II parametric down-conversion in the continuous-variable domain: Quantifying the impacts of filtering. Physical Review A, 2014, 90, .	1.0	21
69	Influence of Coulomb-induced band couplings on linear excitonic absorption spectra of semiconducting carbon nanotubes. Physical Review B, 2014, 89, .	1.1	7
70	CEP Control of Dynamical Bloch Oscillations in a Bulk Semiconductor via Ultra-Intense Multi-THz Fields. , 2014, , .		0
71	Phase-locked Multi-THz High-Harmonic Generation by Dynamical Bloch Oscillations in Bulk Semiconductors. , 2014, , .		0
72	Femtosecond quantum interference control of electrical currents in GaAs: Signatures beyond the perturbative $\frac{1}{1 + i\frac{\Gamma}{\hbar}} = \frac{1 - i\frac{\Gamma}{\hbar}}{1 + \frac{\Gamma^2}{\hbar^2}}$ Physical Review B, 2013, 88, .	1.1	11

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73	Optimal second-harmonic generation in split-ring resonator arrays. , 2013, , .		4
74	Selection rules and linear absorption spectra of carbon nanotubes in axial magnetic fields. Physical Review B, 2013, 88, .	1.1	7
75	Excitonic Eigenstates of Disordered Semiconductor Quantum Wires: Adaptive Wavelet Computation of Eigenvalues for the Electron-Hole Schrödinger Equation. Communications in Computational Physics, 2013, 14, 21-47.	0.7	2
76	Near-field coupling and second-harmonic generation in split-ring resonator arrays. , 2012, , .		1
77	Photonic crystal waveguides intersection for resonant quantum dot optical spectroscopy detection. Optics Express, 2012, 20, 14130.	1.7	4
78	Tailoring the high-harmonic emission in two-level systems and semiconductors by pulse shaping. Journal of the Optical Society of America B: Optical Physics, 2012, 29, A36.	0.9	1
79	Collective Effects in Second-Harmonic Generation from Split-Ring-Resonator Arrays. Physical Review Letters, 2012, 109, 015502.	2.9	160
80	Optimization of the intensity enhancement in plasmonic nanoantennas. , 2012, , .		1
81	Engineering high harmonic generation in semiconductors via pulse shaping. , 2012, , .		0
82	Electron-factor anisotropy in symmetric (110)-oriented GaAs quantum wells. Physical Review B, 2011, 84, .	1.1	16
83	Calculus-based optimization of the electron dynamics in nanostructures. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 328-336.	1.0	1
84	Numerical analysis of coupled photonic crystal cavities. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 345-350.	1.0	2
85	Intensity-dependent ultrafast dynamics of injection currents in unbiased GaAs quantum wells. Physica Status Solidi - Rapid Research Letters, 2011, 5, 119-121.	1.2	0
86	Microscopic theory of the extremely nonlinear terahertz response of semiconductors. Physica Status Solidi (B): Basic Research, 2011, 248, 863-866.	0.7	55
87	Simulation of the ultrafast nonlinear optical response of metal slabs. Physica Status Solidi (B): Basic Research, 2011, 248, 887-891.	0.7	4
88	Oscillatory excitation energy dependence of injection currents in GaAs/AlGaAs quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1137-1140.	0.8	3
89	Numerical investigation of the coupling between microdisk modes and quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1254-1257.	0.8	2
90	Simulation of Mutual Coupling of Photonic Crystal Cavity Modes and Semiconductor Quantum Dots. , 2011, , .		0

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91	Wavelet-Based Adaptive Computations of the Excitonic Eigenstates of Disordered Semiconductor Quantum Wires. , 2011, , .		1
92	Injection currents in (110)-oriented GaAs/AlGaAs quantum wells: recent progress in theory and experiment. , 2011, , .		0
93	Application of the Discontinuous Galerkin Time Domain Method to the Optics of Bi-Chiral Plasmonic Crystals. , 2011, , .		0
94	Ultrafast coherent control of electric currents at metal surfaces. Proceedings of SPIE, 2010, , .	0.8	0
95	Microscopic theoretical analysis of optically generated injection currents in semiconductor quantum wells. Proceedings of SPIE, 2010, , .	0.8	1
96	Numerical Analysis of Coupled Photonic Crystal Cavities. , 2010, , .		0
97	Self-assembled quantum dots in a liquid-crystal-tunable microdisk resonator. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2552-2555.	1.3	9
98	Anticrossing of Whispering Gallery Modes in microdisk resonators embedded in an anisotropic environment. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 273-277.	1.0	4
99	Coherent control of a single exciton qubit by optoelectronic manipulation. Nature Photonics, 2010, 4, 545-548.	15.6	66
100	Modeling excitonic line shapes in weakly disordered semiconductor nanostructures. Physical Review B, 2010, 81, .	1.1	10
101	Microscopic analysis of charge and spin photocurrents injected by circularly polarized one-color laser pulses in GaAs quantum wells. Physical Review B, 2010, 82, .	1.1	26
102	Reversal of Coherently Controlled Ultrafast Photocurrents by Band Mixing in Undoped GaAs Quantum Wells. Physical Review Letters, 2010, 104, 217401.	2.9	21
103	Enhanced FDTD edge correction for nonlinear effects calculation. , 2010, , .		0
104	Tuning quantum-dot based photonic devices with liquid crystals. Optics Express, 2010, 18, 7946.	1.7	11
105	Anticrossing of Whispering Gallery Modes in Microdisk Resonators Embedded in a Liquid Crystal. , 2009, , .		0
106	Microscopic theory of the linear and nonlinear Terahertz response of semiconductors. , 2009, , .		0
107	Generation of injection currents in (110)-oriented GaAs quantum wells: experimental observation and development of a microscopic theory. , 2009, , .		3
108	Localization of excitons in weakly disordered semiconductor structures: A model study. Annalen Der Physik, 2009, 18, 905-909.	0.9	0

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109	Determination of homogeneous and inhomogeneous broadenings of quantum-well excitons by 2DFTS: An experiment-theory comparison. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 445-448.	0.8	5
110	Microscopic analysis of high-order harmonic generation in semiconductor nanostructures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 420-423.	0.8	13
111	Generation and time-resolved detection of coherently controlled electric currents at surfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 461-465.	0.8	3
112	Preface: <i>Phys. Status Solidi C</i> 6/2. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 379-380.	0.8	0
113	Shaping the spatiotemporal dynamics of the electron density in a hybrid metal-semiconductor nanostructure. <i>Optics Letters</i> , 2009, 34, 2900.	1.7	13
114	Ultrafast Coherent Photoelectron Emission Effects and Their Application for Time-Domain Studies of Current Transport. , 2009, , .		0
115	Coupling Dynamics of Quantum Dots in a liquid-crystal-tunable microdisk resonator. , 2009, , .		0
116	Rabi flopping of charge and spin currents generated by ultrafast two-colour photoexcitation of semiconductor quantum wells. <i>Solid State Communications</i> , 2008, 145, 61-65.	0.9	11
117	High harmonics generated in semiconductor nanostructures by the coupled dynamics of optical inter- and intraband excitations. <i>Physical Review B</i> , 2008, 77, .	1.1	285
118	Ultrafast Dynamics of Optically-Induced Charge and Spin Currents in Semiconductors. , 2008, , 199-210.		4
119	Generation and Time-Resolved Detection of Coherently Controlled Electric Currents at Surfaces. , 2008, , .		0
120	Polarization-dependent optical 2D Fourier transform spectroscopy of semiconductors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14227-14232.	3.3	110
121	Investigation of Coulomb-induced coupling in semiconductor nanostructures using 2D Fourier-Transform-Spectroscopy. , 2007, , .		0
122	Determination of homogeneous and inhomogeneous broadening in semiconductor nanostructures by two-dimensional Fourier-transform optical spectroscopy. <i>Physical Review B</i> , 2007, 76, .	1.1	26
123	Experimental and theoretical studies of exciton correlations using optical two-dimensional fourier transform spectroscopy. , 2007, , .		0
124	Time-Resolved Investigation of Coherently Controlled Electric Currents at a Metal Surface. <i>Science</i> , 2007, 318, 1287-1291.	6.0	131
125	Ultrafast dynamics of photoexcited charge and spin currents in semiconductor nanostructures. , 2007, , .		1
126	Signatures of many-particle correlations in two-dimensional Fourier-transform spectra of semiconductor nanostructures. <i>Solid State Communications</i> , 2007, 142, 154-158.	0.9	31

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127	Microscopic modeling of photoluminescence of strongly disordered semiconductors. Journal of Luminescence, 2007, 124, 99-112.	1.5	4
128	Microscopic analysis of the optical and electronic properties of semiconductor photonic-crystal structures. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3600-3617.	0.8	1
129	Optical 2D Fourier Transform Spectroscopy of Semiconductors. , 2007, , .		0
130	Microscopic Many-Body Analysis of Ultrafast Photocurrents in Semiconductor Nanostructures. Springer Series in Chemical Physics, 2007, , 668-670.	0.2	0
131	Temporal decay of coherently optically injected charge and spin currents due to carrier-LO-phonon and carrier-carrier scattering. Physical Review B, 2006, 74, .	1.1	24
132	Semiconductor Optics in Photonic Crystal Structures. , 2006, , 43-62.		0
133	Microscopic analysis of extreme nonlinear optics in semiconductor nanostructures. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2559.	0.9	46
134	Microscopic modeling of the optical properties of semiconductor nanostructures. Journal of Non-Crystalline Solids, 2006, 352, 2480-2483.	1.5	5
135	Microscopic Many-Body Analysis of Ultrafast Photocurrents in Semiconductor Nanostructures. , 2006, , TuD8.		0
136	Characterization of Disorder in Semiconductors via Single-Photon Interferometry. Physical Review Letters, 2006, 97, 227402.	2.9	6
137	Optical experiments on second-harmonic generation from metamaterials consisting of split-ring resonators. , 2006, , .		0
138	Modeling of the Extreme Nonlinear Optical Response of Semiconductor Nanostructures. , 2006, , .		0
139	Optical experiments on second-harmonic generation with metamaterials composed of split-ring resonators. , 2006, , .		1
140	Spatially inhomogeneous optical gain in semiconductor photonic-crystal structures. Physical Review B, 2005, 71, .	1.1	7
141	Excitonic wave packet dynamics in semiconductor photonic-crystal structures. Physical Review B, 2005, 71, .	1.1	8
142	Gain and carrier losses of (GaIn)(NAs) heterostructures in the 1300-1550 nm range. Applied Physics Letters, 2005, 87, 261109.	1.5	12
143	Microscopic Analysis of the Coherent Optical Generation and the Decay of Charge and Spin Currents in Semiconductor Heterostructures. Physical Review Letters, 2005, 95, 086606.	2.9	52
144	Type I-type II transition in InGaAs-GaNAs heterostructures. Applied Physics Letters, 2005, 86, 081903.	1.5	15

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145	Femtosecond time-resolved five-wave mixing at silicon surfaces. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S221-S244.	0.7	9
146	Nonlinear optical response of the Si(111)-(2 \times 1) surface exciton: Influence of biexciton many-body correlations. <i>Physical Review B</i> , 2005, 71, .	1.1	4
147	Time-resolved photoluminescence of type-I and type-II(GaIn)As/Ga(NAs)heterostructures. <i>Physical Review B</i> , 2005, 71, .	1.1	21
148	Enhanced light-matter interaction in semiconductor heterostructures embedded in one-dimensional photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 2039.	0.9	9
149	COHERENT TRANSIENTS Foundations of Coherent Transients in Semiconductors. , 2005, , 163-173.		0
150	Nonequilibrium gain in optically pumped GaInNAs laser structures. <i>Applied Physics Letters</i> , 2004, 85, 5526-5528.	1.5	33
151	Five-Wave-Mixing Spectroscopy of Ultrafast Electron Dynamics at a Si(001) Surface. <i>Physical Review Letters</i> , 2004, 92, 127405.	2.9	34
152	Wigner approach to quantum dynamics simulations of the interacting carriers in disordered systems. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 40-46.	0.7	4
153	NONLINEAR OPTICAL PROPERTIES OF SEMICONDUCTOR QUANTUM WELLS INSIDE MICROCAVITIES. <i>Advanced Series in Applied Physics</i> , 2004, , 239-317.	0.0	3
154	Semiconductor excitons in photonic crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 238, 439-442.	0.7	6
155	Microscopic theory for the nonlinear optical response of the Si(111)-(2 \times 1) surface exciton. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 238, 525-528.	0.7	2
156	Signatures of biexcitons and triexcitons in coherent non-degenerate semiconductor optics. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 238, 537-540.	0.7	9
157	Dynamics of short-time-scale energy relaxation of optical excitations due to electron-electron scattering in the presence of arbitrary disorder. <i>Physical Review B</i> , 2003, 68, .	1.1	4
158	Theory for the nonlinear optical response of semiconductor surfaces: Application to the optical Stark effect and spectral oscillations of the Si(111)-(2 \times 1) surface exciton. <i>Physical Review B</i> , 2003, 68, .	1.1	9
159	Semiconductor absorption in photonic crystals. <i>Applied Physics Letters</i> , 2003, 82, 355-357.	1.5	8
160	Electronic transport in a one-dimensional random array of scatterers. <i>Journal of Physics A</i> , 2003, 36, 5905-5911.	1.6	1
161	Interacting electrons in a one-dimensional random array of scatterers: A quantum dynamics and Monte Carlo study. <i>Physical Review B</i> , 2002, 65, .	1.1	26
162	Optically induced coherent intraband dynamics in disordered semiconductors. <i>Physical Review B</i> , 2002, 65, .	1.1	9

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163	Signatures of Trions in the Optical Spectra of Doped Semiconductor Nanorings in a Magnetic Field. Physica Status Solidi (B): Basic Research, 2002, 234, 283-293.	0.7	4
164	Coulomb Correlations and Biexciton Signatures in Coherent Excitation Spectroscopy of Semiconductor Quantum Wells. Physica Status Solidi (B): Basic Research, 2002, 234, 424-434.	0.7	14
165	Coherent Oscillations in Multiwave Mixing Due to Higher-Order Coulomb Correlations. Physica Status Solidi A, 2002, 190, 843-847.	1.7	0
166	Excitation induced shift and broadening of the exciton resonance. Physica B: Condensed Matter, 2002, 314, 309-313.	1.3	12
167	Theory of the optical properties of semiconductor nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 14, 45-52.	1.3	14
168	Higher-Order Correlations and Semiconductor Optical Nonlinearities. , 2002, , .		0
169	Spectral signatures of $\ddot{I}\ddot{z}^{\wedge}(5)$ processes in four-wave mixing of homogeneously broadened excitons. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1318.	0.9	44
170	Linear and nonlinear optical properties of semiconductor nanorings with magnetic field and disorder - Influence on excitons and biexcitons. European Physical Journal B, 2001, 22, 249-256.	0.6	13
171	Coherent dynamics of magnetoexcitons in semiconductor nanorings. European Physical Journal B, 2001, 19, 599-606.	0.6	11
172	Correlation effects in the excitonic optical properties of semiconductors. Journal of Optics B: Quantum and Semiclassical Optics, 2001, 3, R29-R45.	1.4	20
173	Chapter 6 Coulomb correlation signatures in the excitonic optical nonlinearities of semiconductors. Semiconductors and Semimetals, 2001, , 231-313.	0.4	9
174	Influence of light holes on the heavy-hole excitonic optical Stark effect. Physical Review B, 2001, 64, .	1.1	30
175	Coherent spectral oscillations in multiwave mixing. Physical Review B, 2001, 64, .	1.1	4
176	Coherent Dynamics of Photoexcited Semiconductor Superlattices with Applied Homogeneous Electric Fields. , 2001, , 1-92.		0
177	Analysis of Excitonic Absorption Changes Induced by Incoherent Exciton and Electron-Hole Pair Populations. Physica Status Solidi (B): Basic Research, 2000, 221, 211-214.	0.7	5
178	Comparison of the Differential Absorption Obtained within a Few-Level Model and the Microscopic Density-Matrix Theory. Physica Status Solidi (B): Basic Research, 2000, 221, 249-252.	0.7	4
179	Current Echoes Induced by Coherent Control. Physica Status Solidi (B): Basic Research, 2000, 221, 379-384.	0.7	6
180	Coherent dynamics of photoexcited semiconductor superlattices in homogeneous electric fields. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 267-273.	1.3	11

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181	Microscopic theory of optical dephasing in semiconductors. Applied Physics A: Materials Science and Processing, 2000, 71, 511-517.	1.1	23
182	Signatures of correlations in intensity-dependent excitonic absorption changes. Physical Review B, 2000, 62, 4218-4221.	1.1	45
183	Disorder-induced dephasing in semiconductors. Physical Review B, 2000, 61, 13088-13098.	1.1	38
184	Coherent Control of Absorption and Polarization Decay in a GaAs Quantum Well: Time and Spectral Domain Studies. Physical Review Letters, 2000, 84, 3474-3477.	2.9	33
185	Strong coupling of heavy- and light-hole excitons induced by many-body correlations. Physical Review B, 2000, 62, 12605-12608.	1.1	24
186	Quantum theory of phonon-assisted exciton formation and luminescence in semiconductor quantum wells. Physical Review B, 2000, 62, 2706-2720.	1.1	75
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