Rudolf Bratschitsch

List of Publications by Year
in descending order

205 papers	10,394 citations	50276 46 h-index	32842 100 g-index
210 all docs	210 docs citations	210 times ranked	12729 citing authors

#	Article	IF	Citations
1	Composition-dependent ultrafast THz emission of spintronic CoFe/Pt thin films. Applied Physics Letters, 2022, 120, .	3.3	7
2	Anisotropic exciton diffusion in atomically-thin semiconductors. 2D Materials, 2022, 9, 025008.	4.4	4
3	Single-Photon Emission from Individual Nanophotonic-Integrated Colloidal Quantum Dots. ACS Photonics, 2022, 9, 551-558.	6.6	18
4	Singleâ€Photon Emitters in Layered Van der Waals Materials. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	19
5	Quantitative Strain and Topography Mapping of 2D Materials Using Nanobeam Electron Diffraction. Microscopy and Microanalysis, 2022, 28, 701-715.	0.4	1
6	Uniaxial strain tuning of Raman spectra of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>ReS</mml:mi></mml:mrow><mml:mn>2</mml:m monolayer. Physical Review B, 2022, 105, .	3.2	5
7	Assembly of large hBN nanocrystal arrays for quantum light emission. 2D Materials, 2021, 8, 035005.	4.4	25
8	Correlative Luminescence and Absorption Spectroscopy from Monolayer WSe2 at the Nanoscale. Microscopy and Microanalysis, 2021, 27, 1470-1472.	0.4	0
9	Understanding transition metal dichalcogenide absorption line widths in electron energy loss spectroscopy. Microscopy and Microanalysis, 2021, 27, 1170-1172.	0.4	1
10	MoirÃ© Angle Dependent Excitonic Absorption in Twisted Bilayer WSe2 by EELS. Microscopy and Microanalysis, 2021, 27, 122-123.	0.4	0
11	Dispersionless Propagation of Ultrashort Spin-Wave Pulses in Ultrathin Yttrium Iron Garnet Waveguides. Physical Review Applied, 2021, 16, .	3.8	6
12	Covalent photofunctionalization and electronic repair of 2H-MoS₂via nitrogen incorporation. Physical Chemistry Chemical Physics, 2021, 23, 18517-18524.	2.8	3
13	Strain-dependent exciton diffusion in transition metal dichalcogenides. 2D Materials, 2021, 8, 015030.	4.4	21
14	Switchable ultrafast spintronic THz emitters. , 2021, , .		0
15	Capillary assembly of large arrays of hBN single-photon emitters. , 2021, , .		0
16	Dark exciton anti-funneling in atomically thin semiconductors. Nature Communications, 2021, 12, 7221.	12.8	35
17	Thermomagnetic control of spintronic THz emission enabled by ferrimagnets. Applied Physics Letters, 2020, 116, .	3.3	28
18	Spin valves as magnetically switchable spintronic THz emitters. Applied Physics Letters, 2020, 117, .	3.3	15

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19	Strain tuning of the Stokes shift in atomically thin semiconductors. Nanoscale, 2020, 12, 20786-20796.	5.6	17
20	Theory of the Coherent Response of Magneto-Excitons and Magneto-Biexcitons in Monolayer Transition Metal Dichalcogenides. Physical Review B, 2020, 102, .	3.2	8
21	Dark trions govern the temperature-dependent optical absorption and emission of doped atomically thin semiconductors. Physical Review B, 2020, 101, .	3.2	39
22	Resonant photocurrent from a single quantum emitter in tungsten diselenide. 2D Materials, 2020, 7, 045021.	4.4	4
23	Spintronic GdFe/Pt THz Emitter Systems. , 2020, , .		0
24	Supercontinuum second harmonic generation spectroscopy of atomically thin semiconductors. Review of Scientific Instruments, 2019, 90, 083102.	1.3	16
25	Excited-State Trions in Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review Letters, 2019, 123, 167401.	7.8	55
26	Spintronic GdFe/Pt THz emitters. Applied Physics Letters, 2019, 115, .	3.3	35
27	Correction to â€œMagnetic-Field-Dependent THz Emission of Spintronic TbFe/Pt Layersâ€• ACS Photonics, 2019, 6, 2366-2367.	6.6	0
28	Interlayer excitons in bilayer MoS₂ under uniaxial tensile strain. Nanoscale, 2019, 11, 12788-12792.	5.6	47
29	ThicknessâEDependent Refractive Index of 1L, 2L, and 3L MoS₂, MoSe₂, WS₂, and WSe₂. Advanced Optical Materials, 2019, 7, 1900239.	7.3	155
30	Thickness determination of MoS2, MoSe2, WS2 and WSe2 on transparent stamps used for deterministic transfer of 2D materials. Nano Research, 2019, 12, 1691-1695.	10.4	46
31	Buckling 2D Materials: Revisiting the Buckling Metrology Method to Determine the Young's Modulus of 2D Materials (Adv. Mater. 10/2019). Advanced Materials, 2019, 31, 1970074.	21.0	2
32	Magnetic and Optical Properties of Gold-Coated Iron Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2019, 19, 4987-4993.	0.9	6
33	Electroluminescence from multi-particle exciton complexes in transition metal dichalcogenide semiconductors. Nature Communications, 2019, 10, 1709.	12.8	100
34	Phonon-assisted emission and absorption of individual color centers in hexagonal boron nitride. 2D Materials, 2019, 6, 035006.	4.4	56
35	Space- and time-resolved UV-to-NIR surface spectroscopy and 2D nanoscopy at 1 MHz repetition rate. Review of Scientific Instruments, 2019, 90, 113103.	1.3	23
36	Revisiting the Buckling Metrology Method to Determine the Young's Modulus of 2D Materials. Advanced Materials, 2019, 31, e1807150.	21.0	59

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37	Zeeman spectroscopy of excitons and hybridization of electronic states in few-layer WSe ₂ , MoSe ₂ and MoTe ₂. 2D Materials, 2019, 6, 015010.	4.4	22
38	Ultrafast dynamics in monolayer transition metal dichalcogenides: Interplay of dark excitons, phonons, and intervalley exchange. Physical Review Research, 2019, 1, .	3.6	57
39	Exciton broadening and band renormalization due to Dexter-like intervalley coupling. 2D Materials, 2018, 5, 025011.	4.4	15
40	Strain Control of Excitonâ€“Phonon Coupling in Atomically Thin Semiconductors. Nano Letters, 2018, 18, 1751-1757.	9.1	177
41	Dark and bright exciton formation, thermalization, and photoluminescence in monolayer transition metal dichalcogenides. 2D Materials, 2018, 5, 035017.	4.4	129
42	Strain transfer across grain boundaries in MoS ₂ monolayers grown by chemical vapor deposition. 2D Materials, 2018, 5, 031003.	4.4	23
43	Inverted valley polarization in optically excited transition metal dichalcogenides. Nature Communications, 2018, 9, 971.	12.8	59
44	Thickness-Dependent Differential Reflectance Spectra of Monolayer and Few-Layer MoS2, MoSe2, WS2 and WSe2. Nanomaterials, 2018, 8, 725.	4.1	156
45	Magnetic-Field-Dependent THz Emission of Spintronic TbFe/Pt Layers. ACS Photonics, 2018, 5, 3936-3942.	6.6	52
46	Excitonâ€“phonon coupling in mono- and bilayer MoTe ₂. 2D Materials, 2018, 5, 045007.	4.4	33
47	Valley-contrasting optics of interlayer excitons in Mo- and W-based bulk transition metal dichalcogenides. Nanoscale, 2018, 10, 15571-15577.	5.6	31
48	Facile synthesis of WS2 nanotubes by sulfurization of tungsten thin films: formation mechanism, and structural and optical properties. Nanoscale, 2018, 10, 16683-16691.	5.6	9
49	Incorporation of oxygen atoms as a mechanism for photoluminescence enhancement of chemically treated MoS₂. Physical Chemistry Chemical Physics, 2018, 20, 16918-16923.	2.8	15
50	Single-photon emitters in GaSe. 2D Materials, 2017, 4, 021010.	4.4	77
51	Micro-reflectance and transmittance spectroscopy: a versatile and powerful tool to characterize 2D materials. Journal Physics D: Applied Physics, 2017, 50, 074002.	2.8	125
52	Highly Anisotropic in-Plane Excitons in Atomically Thin and Bulklike 1Tâ€²-ReSe₂. Nano Letters, 2017, 17, 3202-3207.	9.1	130
53	Valley dynamics of excitons in monolayer dichalcogenides. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700131.	2.4	19
54	Biaxial strain tuning of the optical properties of single-layer transition metal dichalcogenides. Npj 2D Materials and Applications, 2017, 1, .	7.9	191

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55	Phonon Sidebands in Monolayer Transition Metal Dichalcogenides. Physical Review Letters, 2017, 119, 187402.	7.8	136
56	Correction to Highly Anisotropic in-Plane Excitons in Atomically Thin and Bulklike 1Tâ€²-ReSe2. Nano Letters, 2017, 17, 7169-7169.	9.1	1
57	Interlayer excitons in a bulk van der Waals semiconductor. Nature Communications, 2017, 8, 639.	12.8	76
58	On-Chip Waveguide Coupling of a Layered Semiconductor Single-Photon Source. Nano Letters, 2017, 17, 5446-5451.	9.1	72
59	Polarization contrast scattering spectroscopy of individual metal nanoantennas. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	0
60	Two-octave spanning supercontinuum generation in stoichiometric silicon nitride waveguides pumped at telecom wavelengths. Optics Express, 2017, 25, 1542.	3.4	96
61	Single-photon emitters in GaSe. , 2017, , .		0
62	Rotation of polarized light emission from monolayer WS2 induced by high magnetic fields. , 2017, , .		0
63	Deterministic positioning of single-photon emitters in monolayer WSe<inf>2</inf> on the nanoscale. , 2017, , .		0
64	Biaxial strain in atomically thin transition metal dichalcogenides. , 2017, , .		4
65	Nanoscale Positioning of Singleâ€Photon Emitters in Atomically Thin WSe₂. Advanced Materials, 2016, 28, 7101-7105.	21.0	162
66	Ultrafast Coulomb-Induced Intervalley Coupling in Atomically Thin WS₂. Nano Letters, 2016, 16, 2945-2950.	9.1	139
67	Valley Zeeman Splitting and Valley Polarization of Neutral and Charged Excitons in Monolayer MoTe₂ at High Magnetic Fields. Nano Letters, 2016, 16, 3624-3629.	9.1	102
68	Single-Photon Emitters: Nanoscale Positioning of Single-Photon Emitters in Atomically Thin WSe2 (Adv. Mater. 33/2016). Advanced Materials, 2016, 28, 7032-7032.	21.0	3
69	Magnetic-Field-Induced Rotation of Polarized Light Emission from Monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2016, 117, 077402.	7.8	76
70	Excitonic Valley Effects in Monolayer WS₂ under High Magnetic Fields. Nano Letters, 2016, 16, 7899-7904.	9.1	114
71	Trion fine structure and coupled spinâ€“valley dynamics in monolayer tungsten disulfide. Nature Communications, 2016, 7, 12715.	12.8	239
72	Nanoantenna-controlled radiation pattern of the third-harmonic emission. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	3

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73	Reversible uniaxial strain tuning in atomically thin WSe ₂. 2D Materials, 2016, 3, 021011.	4.4	125
74	Precise and reversible band gap tuning in single-layer MoSe₂ by uniaxial strain. Nanoscale, 2016, 8, 2589-2593.	5.6	159
75	Dependence of all-optical magnetic switching on the sublattice magnetization orientation in Tb-Fe thin films. , 2015, , .		0
76	Enhanced Visibility of MoS2, MoSe2, WSe2 and Black-Phosphorus: Making Optical Identification of 2D Semiconductors Easier. Electronics (Switzerland), 2015, 4, 847-856.	3.1	44
77	Magneto-optical response of ferrimagnetic Tb-Fe thin films in the visible and ultraviolet range. Journal Physics D: Applied Physics, 2015, 48, 245001.	2.8	4
78	Nanoantenna-Enhanced Lightâ€“Matter Interaction in Atomically Thin WS₂. ACS Photonics, 2015, 2, 1260-1265.	6.6	114
79	Resonant internal quantum transitions and femtosecond radiative decay of excitons in monolayer WSe2. Nature Materials, 2015, 14, 889-893.	27.5	298
80	Single-photon emission from localized excitons in an atomically thin semiconductor. Optica, 2015, 2, 347.	9.3	378
81	Low-remanence criterion for helicity-dependent all-optical magnetic switching in ferrimagnets. Physical Review B, 2015, 91, .	3.2	43
82	Nanoantenna-enhanced light-matter interaction in atomically thin WS2. , 2015, , .		0
83	Ultrafast Coulomb Intervalley Interaction in Monolayer WS2. , 2015, , .		0
84	Single Photon Emission from Localized Excitons in Monolayer WSe₂. , 2015, , .		0
85	Selective Raman modes and strong photoluminescence of gallium selenide flakes on sp2carbon. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, 04E106.	1.2	14
86	All-optical helicity dependent magnetic switching in Tb-Fe thin films with a MHz laser oscillator. Optics Express, 2014, 22, 10017.	3.4	25
87	Dependence of all-optical magnetic switching on the sublattice magnetization orientation in Tb-Fe thin films. Applied Physics Letters, 2014, 105, 112403.	3.3	23
88	Nanoâ€antennae assisted emission of extreme ultraviolet radiation. Annalen Der Physik, 2014, 526, 119-134.	2.4	10
89	Ultrafast spin dynamics in magnetic wideâ€bandgap semiconductors. Physica Status Solidi (B): Basic Research, 2014, 251, 1685-1693.	1.5	1
90	Photovoltaic and Photothermoelectric Effect in a Double-Gated WSe₂ Device. Nano Letters, 2014, 14, 5846-5852.	9.1	232

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91	All-optical helicity dependent magnetic switching in an artificial zero moment magnet. Applied Physics Letters, 2014, 104, .	3.3	48
92	Monolayer diodes light up. Nature Nanotechnology, 2014, 9, 247-248.	31.5	34
93	All-optical helicity dependent switching in amorphous Tb30Fe70 with a MHz laser oscillator. , 2014, , .		0
94	Nano-antenna-assisted harmonic generation. Applied Physics B: Lasers and Optics, 2013, 113, 75-79.	2.2	18
95	Femtosecond nonlinear ultrasonics in gold probed with ultrashort surface plasmons. Nature Communications, 2013, 4, 1468.	12.8	64
96	Photoluminescence emission and Raman response of monolayer MoS_2, MoSe_2, and WSe_2. Optics Express, 2013, 21, 4908.	3.4	1,241
97	Thermally Assisted Allâ€Optical Helicity Dependent Magnetic Switching in Amorphous Fe_{100â€“x}Tb_x Alloy Films. Advanced Materials, 2013, 25, 3122-3128.	21.0	123
98	Assignment of the NV<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>0</mml:mn></mml:msup></mml:math>575-nm zero-phonon line in diamond to a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mn>2</mml:mn></mml:msup><mml:mi>E</mml:mi></mml:mrow></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:m	3.2	12
99	Bow-tie nano-antenna assisted generation of extreme ultraviolet radiation. New Journal of Physics, 2013, 15, 093027.	2.9	60
100	Recharging dynamics of single nitrogen-vacancy centers in ultrapure diamond. , 2013, , .		0
101	Ultrafast electron spin dynamics in ZnO and Zn1-xCoxO sol-gel thin films. EPJ Web of Conferences, 2013, 41, 03015.	0.3	0
102	Photoluminescence Emission and Raman Response of MoS2, MoSe2, and WSe2 Nanolayers. , 2013, , .		5
103	Nonlinear ultrasonics in gold-cobalt bilayer structures probed with femtosecond surface plasmons. , 2013, , .		0
104	Spectral dependence of the magnetic modulation of surface plasmon polaritons in noble/ferromagnetic/noble metal films. Physical Review B, 2012, 86, .	3.2	30
105	Femtosecond quantum optics with semiconductor nanostructures. , 2012, , 487-527.		0
106	Near-Infrared Metal Nanoantennas for Femtosecond Quantum Optics. , 2012, , .		0
107	Optimum Photoluminescence Excitation and Recharging Cycle of Single Nitrogen-Vacancy Centers in Ultrapure Diamond. Physical Review Letters, 2012, 109, 097404.	7.8	139
108	Tailoring Spatiotemporal Light Confinement in Single Plasmonic Nanoantennas. Nano Letters, 2012, 12, 992-996.	9.1	162

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109	Diamond nanophotonics. Beilstein Journal of Nanotechnology, 2012, 3, 895-908.	2.8	31
110	Coupling of single nitrogenâ€vacancy defect centers in diamond nanocrystals to optical antennas and photonic crystal cavities. Physica Status Solidi (B): Basic Research, 2012, 249, 918-924.	1.5	36
111	Analysis of Gold Nanoantennas for Harmonic Generation Utilising Plasmonic Field Enhancement. , 2012, , .		0
112	Charge switching dynamics and optimal excitation wavelength of single NV centers in ultrapure diamond. , 2012, , .		0
113	Role of Coulomb correlations for femtosecond pump-probe signals obtained from a single quantum dot. Physical Review B, 2011, 84, .	3.2	25
114	Spin-on Spintronics: Ultrafast Electron Spin Dynamics in ZnO and Zn1â€“xCoxO Solâ€“Gel Films. Nano Letters, 2011, 11, 3355-3360.	9.1	42
115	Ultraviolet photoluminescence of ZnO quantum dots sputtered at room-temperature. Optics Express, 2011, 19, 1641.	3.4	27
116	Single defect centers in diamond nanocrystals as quantum probes for plasmonic nanostructures. Optics Express, 2011, 19, 7914.	3.4	73
117	Spin polarization of single NV- centers in diamond after non-resonant optical excitation. , 2011, , .		0
118	Photon antibunching from diamond nitrogen-vacancy centers inside a dielectric micropillar cavity. , 2011, , .		0
119	Coulomb correlations in quantum dots and their signatures in single dot femtosecond pumpâ€probe signals. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1117-1120.	0.8	0
120	Triggered single-photon emission in the red spectral range from optically excited InP/(Al,Ga)InP quantum dots embedded in micropillars up to 100 K. Journal of Applied Physics, 2011, 110, 063108.	2.5	17
121	Femtosecond Quantum Optics with Single-Electron Systems. , 2010, , .		0
122	Femtosecond probing of few-fermion dynamics and deterministic single-photon gain in a single semiconductor quantum dot. Journal of Physics: Conference Series, 2010, 210, 012035.	0.4	0
123	Optical excitation and control of electron spins in semiconductor quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1803-1819.	2.7	23
124	Mehr Licht! Femtosekunden-Quantenoptik mit FestkÃ¶rper-Nanostrukturen. Physik in Unserer Zeit, 2010, 41, 191-196.	0.0	1
125	Active magneto-plasmonics in hybrid metalâ€“ferromagnet structures. Nature Photonics, 2010, 4, 107-111.	31.4	450
126	InP quantum dots in pillar microcavities â€“ mode spectra and single-photon emission. Journal of Physics: Conference Series, 2010, 210, 012010.	0.4	2

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127	Enhancement of the magnetic modulation of surface plasmon polaritons in Au/Co/Au films. Applied Physics Letters, 2010, 97, 183114.	3.3	56
128	Ultrafast spin dynamics in optically excited bulk GaAs at low temperatures. Physical Review B, 2010, 81, .	3.2	26
129	FemtoTera quantum optics: single cycles of light, single electrons and photons. , 2010, , .		0
130	Optical properties of red emitting self-assembled InP/(Al_020Ga_080)_051In_049P quantum dot based micropillars. Optics Express, 2010, 18, 12543.	3.4	5
131	Femtosecond quantum optics with semiconductor nanostructures: single cycles of light, electrons, and photons. Proceedings of SPIE, 2010, , .	0.8	0
132	Few-Cycle Nonlinear Optics with Single Plasmonic Nanoantennas. , 2010, , .		0
133	Femtosecond Nonlinear Optics with a Single Nanoantenna. , 2009, , .		0
134	Femtosecond few-fermion dynamics and deterministic single photon gain in a semiconductor quantum dot. , 2009, , .		0
135	The structure and optical properties of ZnO nanocrystals embedded in SiO2fabricated by radio-frequency sputtering. Nanotechnology, 2009, 20, 075601.	2.6	21
136	Ultrafast dynamics in a single CdSe/ZnSe quantum dot. , 2009, , .		0
137	Femtosecond few-fermion dynamics and deterministic single-photon gain in a quantum dot. Nature Physics, 2009, 5, 352-356.	16.7	75
138	Efficient Nonlinear Light Emission of Single Gold Optical Antennas Driven by Few-Cycle Near-Infrared Pulses. Physical Review Letters, 2009, 103, 257404.	7.8	224
139	Femtosecond surface plasmon interferometry. Optics Express, 2009, 17, 8423.	3.4	38
140	Metal nanoantennas and dielectric microresonators for solid-state quantum optics. , 2009, , .		0
141	Nonlinear emission from a single metal nanoantenna excited by 8-fs laser pulses. , 2009, , .		0
142	Magneto-Optical Manipulation of Surface Plasmons in Gold/Ferromagnetic/Gold Multilayer Films. , 2009, , .		0
143	Nonlinear Optical Response of Metal Nanoantennas. Springer Series in Chemical Physics, 2009, , 711-713.	0.2	0
144	Femtosecond Surface Plasmon Interferometry with Gold Nanostructures. , 2009, , .		0

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145	Encapsulating of single quantum dots into polymer particles. Colloid and Polymer Science, 2008, 286, 1329-1334.	2.1	28
146	Nanoscale imaging magnetometry with diamond spins under ambient conditions. Nature, 2008, 455, 648-651.	27.8	1,587
147	Nanomechanical control of an optical antenna. Nature Photonics, 2008, 2, 230-233.	31.4	185
148	Ultrafast Spin Dynamics in Colloidal ZnO Quantum Dots. Nano Letters, 2008, 8, 1991-1994.	9.1	42
149	Colloidal ZnO quantum dots in ultraviolet pillar microcavities. Optics Express, 2008, 16, 9791.	3.4	23
150	Defect induced ferromagnetism in Co-doped ZnO thin films. Journal of Physics: Conference Series, 2008, 100, 042034.	0.4	18
151	Temperature dependence of the electron spin<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>g</mml:mi></mml:math>factor in GaAs. Physical Review B, 2008, 78, .	3.2	40
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153	Effects of disorder on electron spin dynamics in GaAs quantum wells. , 2007, , .		0
154	Electron spin polarization through interactions between excitons, trions, and the two-dimensional electron gas. Physical Review B, 2007, 75, .	3.2	24
155	Colloidal quantum dots in high-Q pillar microcavities. , 2007, , .		0
156	Colloidal Quantum Dots in High-Q Pillar Microcavities. , 2007, , .		0
157	Nanomechanical control of an optical nanoantenna. , 2007, , .		0
158	Colloidal Quantum Dots in All-Dielectric High-Q Pillar Microcavities. Nano Letters, 2007, 7, 2897-2900.	9.1	68
159	Defect induced low temperature ferromagnetism in Zn1âˆ'xCoxO films. Journal of Applied Physics, 2007, 101, 073904.	2.5	44
160	Nanomechanical control of an optical nanoantenna. , 2007, , .		0
161	Nanomechanical Control of an Optical Antenna. , 2007, , .		0
162	Effects of disorder on electron spin dynamics in a semiconductor quantum well. Nature Physics, 2007, 3, 265-269.	16.7	35

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163	Electron spin dephasing in n-doped CdTe/(Cd, Mg)Te quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 2290-2292.	1.5	5
164	Artificial atoms for quantum optics. Nature Materials, 2006, 5, 855-856.	27.5	37
165	Electron spin coherence in n-doped CdTeâˆ•CdMgTe quantum wells. Applied Physics Letters, 2006, 89, 221113.	3.3	17
166	Spin Dynamics in n-doped CdTe quantum wells: Interplay of excitons, trions and two-dimensional electron gas. , 2006, , .		0
167	Interference effects in transient Kerr spectra of a semiconductor multilayer structure. Optics Letters, 2005, 30, 2320.	3.3	8
168	Generation of phase-locked and tunable continuous-wave radiation in the terahertz regime. Optics Letters, 2005, 30, 3231.	3.3	42
169	Phase-stable and Broadly Tunable CW Terahertz Radiation. , 2005, , .		0
170	TERAHERTZ TECHNOLOGY | Terahertz Physics of Semiconductor Heterostructures. , 2005, , 168-176.		0
171	Coherent vs. incoherent charge transport in semiconductor quantum cascade structures. , 2004, 5352, 333.		0
172	Temperature and carrier induced spin coherence in GaAs. , 2004, , .		0
173	Optical control of electron spin precession in semiconductor nanostructures. , 2004, , .		0
174	Ultrafast spin phenomena in highly excited n-doped GaAs. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 1506-1508.	0.8	5
175	Ultrafast many-body spin interactions in highly excited undoped and n-doped bulk GaAs. , 2003, , .		1
176	Population dynamics in quantum structures. Springer Series in Chemical Physics, 2003, , 392-394.	0.2	0
177	Surface-modified GaAs terahertz plasmon emitter. Applied Physics Letters, 2002, 81, 871-873.	3.3	18
178	Few-cycle THz generation for imaging and tomography applications. Physics in Medicine and Biology, 2002, 47, 3691-3697.	3.0	7
179	Ultrafast Coherent Electron Transport in Semiconductor Quantum Cascade Structures. Physical Review Letters, 2002, 89, 047402.	7.8	58
180	Direct measurement of intersubband dynamics. Physica B: Condensed Matter, 2002, 314, 259-262.	2.7	0

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181	Photoconductive response of InAs/GaAs quantum dot stacks. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 190-193.	2.7	9
182	Intersubband relaxation dynamics in semiconductor quantum structures. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 908-911.	2.7	4
183	Population dynamics in quantum structures. , 2002, , .		0
184	Monitoring the ultrafast electric field change at a mid-infrared plasma Bragg mirror. Optics Letters, 2001, 26, 1618.	3.3	1
185	Few-cycle THZ spectroscopy of semiconductor quantum structures. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 76-83.	2.7	2
186	Ultrafast response of a plasma Bragg mirror. , 2001, , .		0
187	Intersubband absorption dynamics in coupled quantum wells. Applied Physics Letters, 2001, 79, 2755-2757.	3.3	32
188	Coherent THz emission from optically pumped intersubband plasmons in parabolic quantum wells. Springer Series in Chemical Physics, 2001, , 203-205.	0.2	0
189	Few-Cycle THz Spectroscopy of Semiconductor Quantum Structures. Springer Proceedings in Physics, 2001, , 579-582.	0.2	0
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