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	Nanoscale imaging magnetometry with diamond spins under ambient conditions. Nature, 2008, 455, 648-651.	27.8	1,587
2	Photoluminescence emission and Raman response of monolayer MoS_2, MoSe_2, and WSe_2. Optics Express, 2013, 21, 4908.	3.4	1,241
3	Active magneto-plasmonics in hybrid metalâ€“ferromagnet structures. Nature Photonics, 2010, 4, 107-111.	31.4	450
4	Single-photon emission from localized excitons in an atomically thin semiconductor. Optica, 2015, 2, 347.	9.3	378
5	Resonant internal quantum transitions and femtosecond radiative decay of excitons in monolayer WSe2. Nature Materials, 2015, 14, 889-893.	27.5	298
6	Trion fine structure and coupled spinâ€“valley dynamics in monolayer tungsten disulfide. Nature Communications, 2016, 7, 12715.	12.8	239
7	Photovoltaic and Photothermoelectric Effect in a Double-Gated WSe₂ Device. Nano Letters, 2014, 14, 5846-5852.	9.1	232
8	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
9	Biaxial strain tuning of the optical properties of single-layer transition metal dichalcogenides. Npj 2D Materials and Applications, 2017, 1, .	7.9	191
10	Nanomechanical control of an optical antenna. Nature Photonics, 2008, 2, 230-233.	31.4	185
11	Strain Control of Excitonâ€“Phonon Coupling in Atomically Thin Semiconductors. Nano Letters, 2018, 18, 1751-1757.	9.1	177
12	Tailoring Spatiotemporal Light Confinement in Single Plasmonic Nanoantennas. Nano Letters, 2012, 12, 992-996.	9.1	162
13	Nanoscale Positioning of Singleâ€Photon Emitters in Atomically Thin WSe₂. Advanced Materials, 2016, 28, 7101-7105.	21.0	162
14	Precise and reversible band gap tuning in single-layer MoSe₂ by uniaxial strain. Nanoscale, 2016, 8, 2589-2593.	5.6	159
15	Thickness-Dependent Differential Reflectance Spectra of Monolayer and Few-Layer MoS2, MoSe2, WS2 and WSe2. Nanomaterials, 2018, 8, 725.	4.1	156
16	Thicknessâ€Dependent Refractive Index of 1L, 2L, and 3L MoS₂, MoSe₂, WS₂, and WSe₂. Advanced Optical Materials, 2019, 7, 1900239.	7.3	155
17	Optimum Photoluminescence Excitation and Recharging Cycle of Single Nitrogen-Vacancy Centers in Ultrapure Diamond. Physical Review Letters, 2012, 109, 097404.	7.8	139
18	Ultrafast Coulomb-Induced Intervalley Coupling in Atomically Thin WS₂. Nano Letters, 2016, 16, 2945-2950.	9.1	139

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19	Phonon Sidebands in Monolayer Transition Metal Dichalcogenides. Physical Review Letters, 2017, 119, 187402.	7.8	136
20	Highly Anisotropic in-Plane Excitons in Atomically Thin and Bulklike 1Tâ€²-ReSe₂. Nano Letters, 2017, 17, 3202-3207.	9.1	130
21	Dark and bright exciton formation, thermalization, and photoluminescence in monolayer transition metal dichalcogenides. 2D Materials, 2018, 5, 035017.	4.4	129
22	Reversible uniaxial strain tuning in atomically thin WSe ₂. 2D Materials, 2016, 3, 021011.	4.4	125
23	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
24	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
25	Nanoantenna-Enhanced Lightâ€“Matter Interaction in Atomically Thin WS₂. ACS Photonics, 2015, 2, 1260-1265.	6.6	114
26	Excitonic Valley Effects in Monolayer WS₂ under High Magnetic Fields. Nano Letters, 2016, 16, 7899-7904.	9.1	114
27	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
28	Electroluminescence from multi-particle exciton complexes in transition metal dichalcogenide semiconductors. Nature Communications, 2019, 10, 1709.	12.8	100
29	Two-octave spanning supercontinuum generation in stoichiometric silicon nitride waveguides pumped at telecom wavelengths. Optics Express, 2017, 25, 1542.	3.4	96
30	Single-photon emitters in GaSe. 2D Materials, 2017, 4, 021010.	4.4	77
31	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
32	Interlayer excitons in a bulk van der Waals semiconductor. Nature Communications, 2017, 8, 639.	12.8	76
33	Femtosecond few-fermion dynamics and deterministic single-photon gain in a quantum dot. Nature Physics, 2009, 5, 352-356.	16.7	75
34	Single defect centers in diamond nanocrystals as quantum probes for plasmonic nanostructures. Optics Express, 2011, 19, 7914.	3.4	73
35	On-Chip Waveguide Coupling of a Layered Semiconductor Single-Photon Source. Nano Letters, 2017, 17, 5446-5451.	9.1	72
36	Colloidal Quantum Dots in All-Dielectric High-Q Pillar Microcavities. Nano Letters, 2007, 7, 2897-2900.	9.1	68

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37	Femtosecond nonlinear ultrasonics in gold probed with ultrashort surface plasmons. Nature Communications, 2013, 4, 1468.	12.8	64
38	Bow-tie nano-antenna assisted generation of extreme ultraviolet radiation. New Journal of Physics, 2013, 15, 093027.	2.9	60
39	Inverted valley polarization in optically excited transition metal dichalcogenides. Nature Communications, 2018, 9, 971.	12.8	59
40	Revisiting the Buckling Metrology Method to Determine the Young's Modulus of 2D Materials. Advanced Materials, 2019, 31, e1807150.	21.0	59
41	Ultrafast Coherent Electron Transport in Semiconductor Quantum Cascade Structures. Physical Review Letters, 2002, 89, 047402.	7.8	58
42	Ultrafast dynamics in monolayer transition metal dichalcogenides: Interplay of dark excitons, phonons, and intervalley exchange. Physical Review Research, 2019, 1, .	3.6	57
43	Enhancement of the magnetic modulation of surface plasmon polaritons in Au/Co/Au films. Applied Physics Letters, 2010, 97, 183114.	3.3	56
44	Phonon-assisted emission and absorption of individual color centers in hexagonal boron nitride. 2D Materials, 2019, 6, 035006.	4.4	56
45	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> Physical Review Letters, 2019, 123, 167401.	7.8	56
46	Magnetic-Field-Dependent THz Emission of Spintronic TbFe/Pt Layers. ACS Photonics, 2018, 5, 3936-3942.	6.6	52
47	All-optical helicity dependent magnetic switching in an artificial zero moment magnet. Applied Physics Letters, 2014, 104, .	3.3	48
48	Interlayer excitons in bilayer MoS₂ under uniaxial tensile strain. Nanoscale, 2019, 11, 12788-12792.	5.6	47
49	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
50	Defect induced low temperature ferromagnetism in Zn1â^'xCoxO films. Journal of Applied Physics, 2007, 101, 073904.	2.5	44
51	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
52	Low-remanence criterion for helicity-dependent all-optical magnetic switching in ferrimagnets. Physical Review B, 2015, 91, .	3.2	43
53	Generation of phase-locked and tunable continuous-wave radiation in the terahertz regime. Optics Letters, 2005, 30, 3231.	3.3	42
54	Ultrafast Spin Dynamics in Colloidal ZnO Quantum Dots. Nano Letters, 2008, 8, 1991-1994.	9.1	42

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55	Spin-on Spintronics: Ultrafast Electron Spin Dynamics in ZnO and Zn1â€“xCoxO Solâ€“Gel Films. Nano Letters, 2011, 11, 3355-3360.	9.1	42
56	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
57	Dark trions govern the temperature-dependent optical absorption and emission of doped atomically thin semiconductors. Physical Review B, 2020, 101, .	3.2	39
58	Femtosecond surface plasmon interferometry. Optics Express, 2009, 17, 8423.	3.4	38
59	Artificial atoms for quantum optics. Nature Materials, 2006, 5, 855-856.	27.5	37
60	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
61	Sampling a terahertz dipole transition with subcycle time resolution. Optics Letters, 2000, 25, 272.	3.3	35
62	Effects of disorder on electron spin dynamics in a semiconductor quantum well. Nature Physics, 2007, 3, 265-269.	16.7	35
63	Spintronic GdFe/Pt THz emitters. Applied Physics Letters, 2019, 115, .	3.3	35
64	Dark exciton anti-funneling in atomically thin semiconductors. Nature Communications, 2021, 12, 7221.	12.8	35
65	Monolayer diodes light up. Nature Nanotechnology, 2014, 9, 247-248.	31.5	34
66	Excitonâ€“phonon coupling in mono- and bilayer MoTe ₂. 2D Materials, 2018, 5, 045007.	4.4	33
67	Intersubband absorption dynamics in coupled quantum wells. Applied Physics Letters, 2001, 79, 2755-2757.	3.3	32
68	Diamond nanophotonics. Beilstein Journal of Nanotechnology, 2012, 3, 895-908.	2.8	31
69	Valley-contrasting optics of interlayer excitons in Mo- and W-based bulk transition metal dichalcogenides. Nanoscale, 2018, 10, 15571-15577.	5.6	31
70	Spectral dependence of the magnetic modulation of surface plasmon polaritons in noble/ferromagnetic/noble metal films. Physical Review B, 2012, 86, .	3.2	30
71	Encapsulating of single quantum dots into polymer particles. Colloid and Polymer Science, 2008, 286, 1329-1334.	2.1	28
72	Thermomagnetic control of spintronic THz emission enabled by ferrimagnets. Applied Physics Letters, 2020, 116, .	3.3	28

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73	Ultraviolet photoluminescence of ZnO quantum dots sputtered at room-temperature. Optics Express, 2011, 19, 1641.	3.4	27
74	Ultrafast spin dynamics in optically excited bulk GaAs at low temperatures. Physical Review B, 2010, 81, .	3.2	26
75	Role of Coulomb correlations for femtosecond pump-probe signals obtained from a single quantum dot. Physical Review B, 2011, 84, .	3.2	25
76	All-optical helicity dependent magnetic switching in Tb-Fe thin films with a MHz laser oscillator. Optics Express, 2014, 22, 10017.	3.4	25
77	Assembly of large hBN nanocrystal arrays for quantum light emission. 2D Materials, 2021, 8, 035005.	4.4	25
78	Electron spin polarization through interactions between excitons, trions, and the two-dimensional electron gas. Physical Review B, 2007, 75, .	3.2	24
79	Colloidal ZnO quantum dots in ultraviolet pillar microcavities. Optics Express, 2008, 16, 9791.	3.4	23
80	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
81	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
82	Strain transfer across grain boundaries in MoS ₂ monolayers grown by chemical vapor deposition. 2D Materials, 2018, 5, 031003.	4.4	23
83	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
84	Coherent terahertz emission from optically pumped intersubband plasmons in parabolic quantum wells. Applied Physics Letters, 2000, 76, 3501-3503.	3.3	22
85	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
86	The structure and optical properties of ZnO nanocrystals embedded in SiO2fabricated by radio-frequency sputtering. Nanotechnology, 2009, 20, 075601.	2.6	21
87	Strain-dependent exciton diffusion in transition metal dichalcogenides. 2D Materials, 2021, 8, 015030.	4.4	21
88	Valley dynamics of excitons in monolayer dichalcogenides. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700131.	2.4	19
89	Singleâ€Photon Emitters in Layered Van der Waals Materials. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	19
90	Surface-modified GaAs terahertz plasmon emitter. Applied Physics Letters, 2002, 81, 871-873.	3.3	18

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91	Defect induced ferromagnetism in Co-doped ZnO thin films. Journal of Physics: Conference Series, 2008, 100, 042034.	0.4	18
92	Nano-antenna-assisted harmonic generation. Applied Physics B: Lasers and Optics, 2013, 113, 75-79.	2.2	18
93	Single-Photon Emission from Individual Nanophotonic-Integrated Colloidal Quantum Dots. ACS Photonics, 2022, 9, 551-558.	6.6	18
94	Electron spin coherence in n-doped CdTeâˆ•CdMgTe quantum wells. Applied Physics Letters, 2006, 89, 221113.	3.3	17
95	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
96	Strain tuning of the Stokes shift in atomically thin semiconductors. Nanoscale, 2020, 12, 20786-20796.	5.6	17
97	Supercontinuum second harmonic generation spectroscopy of atomically thin semiconductors. Review of Scientific Instruments, 2019, 90, 083102.	1.3	16
98	Exciton broadening and band renormalization due to Dexter-like intervalley coupling. 2D Materials, 2018, 5, 025011.	4.4	15
99	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
100	Spin valves as magnetically switchable spintronic THz emitters. Applied Physics Letters, 2020, 117, .	3.3	15
101	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
102	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
103	Nanoâ€antennae assisted emission of extreme ultraviolet radiation. Annalen Der Physik, 2014, 526, 119-134.	2.4	10
104	Photoconductive response of InAs/GaAs quantum dot stacks. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 190-193.	2.7	9
105	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
106	Interference effects in transient Kerr spectra of a semiconductor multilayer structure. Optics Letters, 2005, 30, 2320.	3.3	8
107	Theory of the Coherent Response of Magneto-Excitons and Magneto-Biexcitons in Monolayer Transition Metal Dichalcogenides. Physical Review B, 2020, 102, .	3.2	8
108	Coherent THz plasmons in GaAs/AlGaAs superlattices. Physica B: Condensed Matter, 1999, 272, 375-377.	2.7	7

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109	Few-cycle THz generation for imaging and tomography applications. Physics in Medicine and Biology, 2002, 47, 3691-3697.	3.0	7
110	Composition-dependent ultrafast THz emission of spintronic CoFe/Pt thin films. Applied Physics Letters, 2022, 120, .	3.3	7
111	Magnetic and Optical Properties of Gold-Coated Iron Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2019, 19, 4987-4993.	0.9	6
112	Dispersionless Propagation of Ultrashort Spin-Wave Pulses in Ultrathin Yttrium Iron Garnet Waveguides. Physical Review Applied, 2021, 16, .	3.8	6
113	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
114	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
115	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
116	Photoluminescence Emission and Raman Response of MoS2, MoSe2, and WSe2 Nanolayers. , 2013, , .		5
117	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:mn> monolayer. Physical Review B, 2022, 105, .	3.2	5
118	Intersubband relaxation dynamics in semiconductor quantum structures. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 908-911.	2.7	4
119	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
120	Biaxial strain in atomically thin transition metal dichalcogenides. , 2017, , .		4
121	Resonant photocurrent from a single quantum emitter in tungsten diselenide. 2D Materials, 2020, 7, 045021.	4.4	4
122	Anisotropic exciton diffusion in atomically-thin semiconductors. 2D Materials, 2022, 9, 025008.	4.4	4
123	The lower branch of plasmon-phonon coupled modes. Semiconductor Science and Technology, 2000, 15, 813-817.	2.0	3
124	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
125	Nanoantenna-controlled radiation pattern of the third-harmonic emission. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	3
126	Covalent photofunctionalization and electronic repair of 2H-MoS₂via nitrogen incorporation. Physical Chemistry Chemical Physics, 2021, 23, 18517-18524.	2.8	3

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127	Few-cycle THZ spectroscopy of semiconductor quantum structures. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 76-83.	2.7	2
128	InP quantum dots in pillar microcavities â€“ mode spectra and single-photon emission. Journal of Physics: Conference Series, 2010, 210, 012010.	0.4	2
129	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
130	Coherent THz Plasmons in GaAs: Transition from â€œPureâ€•Plasmons to Coupled Plasmonâ€“Phonon Modes. Physica Status Solidi (B): Basic Research, 1997, 204, 64-66.	1.5	1
131	Few-cycle THz spectroscopy of nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 693-697.	2.7	1
132	Monitoring the ultrafast electric field change at a mid-infrared plasma Bragg mirror. Optics Letters, 2001, 26, 1618.	3.3	1
133	Ultrafast many-body spin interactions in highly excited undoped and n-doped bulk GaAs. , 2003, , .		1
134	Mehr Licht! Femtosekunden-Quantenoptik mit FestkÃ¶rper-Nanostrukturen. Physik in Unserer Zeit, 2010, 41, 191-196.	0.0	1
135	Ultrafast spin dynamics in magnetic wideâ€bandgap semiconductors. Physica Status Solidi (B): Basic Research, 2014, 251, 1685-1693.	1.5	1
136	Correction to Highly Anisotropic in-Plane Excitons in Atomically Thin and Bulklike 1Tâ€²-ReSe2. Nano Letters, 2017, 17, 7169-7169.	9.1	1
137	Understanding transition metal dichalcogenide absorption line widths in electron energy loss spectroscopy. Microscopy and Microanalysis, 2021, 27, 1170-1172.	0.4	1
138	Quantitative Strain and Topography Mapping of 2D Materials Using Nanobeam Electron Diffraction. Microscopy and Microanalysis, 2022, 28, 701-715.	0.4	1
139	Coherent THz-plasmons in AlGaAs/GaAs heterostructures. , 0, , .		0
140	Excitation of intersubband transitions by THz pulses. , 0, , .		0
141	THz emission of coherent plasmons in semiconductor superlattices. , 0, , .		0
142	Coherent THz emission from optically pumped parabolic quantum wells. , 2000, , .		0
143	Ultrafast response of a plasma Bragg mirror. , 2001, , .		0
144	Time-resolved measurement of intersubband population dynamics. , 0, , .		0

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145	Coherent and incoherent intersubband dynamics. , 0, , .		0
146	Ultrafast coherent electron transport in quantum cascade laser structures. , 0, , .		0
147	Direct measurement of intersubband dynamics. Physica B: Condensed Matter, 2002, 314, 259-262.	2.7	0
148	Coherent vs. incoherent charge transport in semiconductor quantum cascade structures. , 2004, 5352, 333.		0
149	Spin Dynamics in n-doped CdTe quantum wells: Interplay of excitons, trions and two-dimensional electron gas. , 2006, , .		0
150	Ultrafast spin dynamics in manganese doped GaN. , 2007, , .		0
151	Effects of disorder on electron spin dynamics in GaAs quantum wells. , 2007, , .		0
152	Colloidal quantum dots in high-Q pillar microcavities. , 2007, , .		0
153	Colloidal Quantum Dots in High-Q Pillar Microcavities. , 2007, , .		0
154	Nanomechanical control of an optical nanoantenna. , 2007, , .		0
155	Nanomechanical control of an optical nanoantenna. , 2007, , .		0
156	Nanomechanical Control of an Optical Antenna. , 2007, , .		0
157	Femtosecond Nonlinear Optics with a Single Nanoantenna. , 2009, , .		0
158	Femtosecond few-fermion dynamics and deterministic single photon gain in a semiconductor quantum dot. , 2009, , .		0
159	Ultrafast dynamics in a single CdSe/ZnSe quantum dot. , 2009, , .		0
160	Metal nanoantennas and dielectric microresonators for solid-state quantum optics. , 2009, , .		0
161	Nonlinear emission from a single metal nanoantenna excited by 8-fs laser pulses. , 2009, , .		0
162	Femtosecond Quantum Optics with Single-Electron Systems. , 2010, , .		0

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163	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
164	Ultrafast Semiconductor Quantum Optics. , 0, , .		0
165	FemtoTera quantum optics: single cycles of light, single electrons and photons. , 2010, , .		0
166	Femtosecond quantum optics with semiconductor nanostructures: single cycles of light, electrons, and photons. Proceedings of SPIE, 2010, , .	0.8	0
167	Spin polarization of single NV- centers in diamond after non-resonant optical excitation. , 2011, , .		0
168	Photon antibunching from diamond nitrogen-vacancy centers inside a dielectric micropillar cavity. , 2011, , .		0
169	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
170	Femtosecond quantum optics with semiconductor nanostructures. , 2012, , 487-527.		0
171	Near-Infrared Metal Nanoantennas for Femtosecond Quantum Optics. , 2012, , .		0
172	Recharging dynamics of single nitrogen-vacancy centers in ultrapure diamond. , 2013, , .		0
173	Ultrafast electron spin dynamics in ZnO and Zn1-xCoxO sol-gel thin films. EPJ Web of Conferences, 2013, 41, 03015.	0.3	0
174	Dependence of all-optical magnetic switching on the sublattice magnetization orientation in Tb-Fe thin films. , 2015, , .		0
175	Nanoantenna-enhanced light-matter interaction in atomically thin WS2. , 2015, , .		0
176	Polarization contrast scattering spectroscopy of individual metal nanoantennas. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	0
177	Single-photon emitters in GaSe. , 2017, , .		0
178	Rotation of polarized light emission from monolayer WS2 induced by high magnetic fields. , 2017, , .		0
179	Deterministic positioning of single-photon emitters in monolayer WSe<inf>2</inf> on the nanoscale. , 2017, , .		0
180	Correction to â€œMagnetic-Field-Dependent THz Emission of Spintronic TbFe/Pt Layersâ€• ACS Photonics, 2019, 6, 2366-2367.	6.6	0

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181	Correlative Luminescence and Absorption Spectroscopy from Monolayer WSe2 at the Nanoscale. Microscopy and Microanalysis, 2021, 27, 1470-1472.	0.4	0
182	MoirÃ© Angle Dependent Excitonic Absorption in Twisted Bilayer WSe2 by EELS. Microscopy and Microanalysis, 2021, 27, 122-123.	0.4	0
183	Switchable ultrafast spintronic THz emitters. , 2021, , .		0
184	Excitation Dynamics beyond the Slowly-Varying Envelope Approximation. , 2000, , .		0
185	Coherent THz emission from optically pumped intersubband plasmons in parabolic quantum wells. Springer Series in Chemical Physics, 2001, , 203-205.	0.2	0
186	Few-Cycle THz Spectroscopy of Semiconductor Quantum Structures. Springer Proceedings in Physics, 2001, , 579-582.	0.2	0
187	Excitation Dynamics beyond the Slowly-Varying Envelope Approximation. Springer Series in Chemical Physics, 2001, , 235-237.	0.2	0
188	Population dynamics in quantum structures. , 2002, , .		0
189	Population dynamics in quantum structures. Springer Series in Chemical Physics, 2003, , 392-394.	0.2	0
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