

# Rudolf Bratschitsch

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

149 papers	7,873 citations	42 h-index	87 g-index
210 ext. papers	9,317 ext. citations	6.7 avg, IF	5.76 L-index

#	Paper	IF	Citations
149	Composition-dependent ultrafast THz emission of spintronic CoFe/Pt thin films. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 042404	3.4	1
148	Anisotropic exciton diffusion in atomically-thin semiconductors. <i>2D Materials</i> , <b>2022</b> , 9, 025008	5.9	1
147	Quantitative Strain and Topography Mapping of 2D Materials Using Nanobeam Electron Diffraction.. <i>Microscopy and Microanalysis</i> , <b>2022</b> , 1-15	0.5	
146	Strain-dependent exciton diffusion in transition metal dichalcogenides. <i>2D Materials</i> , <b>2021</b> , 8, 015030	5.9	11
145	Assembly of large hBN nanocrystal arrays for quantum light emission. <i>2D Materials</i> , <b>2021</b> , 8, 035005	5.9	6
144	Correlative Luminescence and Absorption Spectroscopy from Monolayer WSe2 at the Nanoscale. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 1470-1472	0.5	
143	Understanding transition metal dichalcogenide absorption line widths in electron energy loss spectroscopy. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 1170-1172	0.5	
142	Moiré Angle Dependent Excitonic Absorption in Twisted Bilayer WSe2 by EELS. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 122-123	0.5	
141	Dispersionless Propagation of Ultrashort Spin-Wave Pulses in Ultrathin Yttrium Iron Garnet Waveguides. <i>Physical Review Applied</i> , <b>2021</b> , 16,	4.3	3
140	Covalent photofunctionalization and electronic repair of 2H-MoS2 via nitrogen incorporation. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 18517-18524	3.6	1
139	Dark exciton anti-funneling in atomically thin semiconductors. <i>Nature Communications</i> , <b>2021</b> , 12, 7221	17.4	2
138	Dark trions govern the temperature-dependent optical absorption and emission of doped atomically thin semiconductors. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	21
137	Resonant photocurrent from a single quantum emitter in tungsten diselenide. <i>2D Materials</i> , <b>2020</b> , 7, 045021	5.9	2
136	Thermomagnetic control of spintronic THz emission enabled by ferrimagnets. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 012402	3.4	16
135	Spin valves as magnetically switchable spintronic THz emitters. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 132403	3.4	10
134	Strain tuning of the Stokes shift in atomically thin semiconductors. <i>Nanoscale</i> , <b>2020</b> , 12, 20786-20796	7.7	8
133	Theory of the Coherent Response of Magneto-Excitons and Magneto-Biexcitons in Monolayer Transition Metal Dichalcogenides. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	6

132	Interlayer excitons in bilayer MoS under uniaxial tensile strain. <i>Nanoscale</i> , <b>2019</b> , 11, 12788-12792	7.7	32
131	Thickness-Dependent Refractive Index of 1L, 2L, and 3L MoS <sub>2</sub> , MoSe <sub>2</sub> , WS <sub>2</sub> , and WSe <sub>2</sub> . <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900239	8.1	80
130	Thickness determination of MoS <sub>2</sub> , MoSe <sub>2</sub> , WS <sub>2</sub> and WSe <sub>2</sub> on transparent stamps used for deterministic transfer of 2D materials. <i>Nano Research</i> , <b>2019</b> , 12, 1691-1695	10	30
129	Buckling 2D Materials: Revisiting the Buckling Metrology Method to Determine the Young's Modulus of 2D Materials (Adv. Mater. 10/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970074	24	1
128	Magnetic and Optical Properties of Gold-Coated Iron Oxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 4987-4993	1.3	5
127	Electroluminescence from multi-particle exciton complexes in transition metal dichalcogenide semiconductors. <i>Nature Communications</i> , <b>2019</b> , 10, 1709	17.4	48
126	Phonon-assisted emission and absorption of individual color centers in hexagonal boron nitride. <i>2D Materials</i> , <b>2019</b> , 6, 035006	5.9	36
125	Supercontinuum second harmonic generation spectroscopy of atomically thin semiconductors. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 083102	1.7	8
124	Excited-State Trions in Monolayer WS <sub>2</sub> . <i>Physical Review Letters</i> , <b>2019</b> , 123, 167401	7.4	32
123	Spintronic GdFe/Pt THz emitters. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 152401	3.4	20
122	Ultrafast dynamics in monolayer transition metal dichalcogenides: Interplay of dark excitons, phonons, and intervalley exchange. <i>Physical Review Research</i> , <b>2019</b> , 1,	3.9	24
121	Space- and time-resolved UV-to-NIR surface spectroscopy and 2D nanoscopy at 1 MHz repetition rate. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 113103	1.7	11
120	Revisiting the Buckling Metrology Method to Determine the Young's Modulus of 2D Materials. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807150	24	37
119	Zeeman spectroscopy of excitons and hybridization of electronic states in few-layer WSe <sub>2</sub> , MoSe <sub>2</sub> and MoTe <sub>2</sub> . <i>2D Materials</i> , <b>2019</b> , 6, 015010	5.9	11
118	Exciton broadening and band renormalization due to Dexter-like intervalley coupling. <i>2D Materials</i> , <b>2018</b> , 5, 025011	5.9	12
117	Strain Control of Exciton-Phonon Coupling in Atomically Thin Semiconductors. <i>Nano Letters</i> , <b>2018</b> , 18, 1751-1757	11.5	121
116	Dark and bright exciton formation, thermalization, and photoluminescence in monolayer transition metal dichalcogenides. <i>2D Materials</i> , <b>2018</b> , 5, 035017	5.9	89
115	Strain transfer across grain boundaries in MoS <sub>2</sub> monolayers grown by chemical vapor deposition. <i>2D Materials</i> , <b>2018</b> , 5, 031003	5.9	16

114	Inverted valley polarization in optically excited transition metal dichalcogenides. <i>Nature Communications</i> , <b>2018</b> , 9, 971	17.4	38
113	Exciton-phonon coupling in mono- and bilayer MoTe <sub>2</sub> . <i>2D Materials</i> , <b>2018</b> , 5, 045007	5.9	17
112	Valley-contrasting optics of interlayer excitons in Mo- and W-based bulk transition metal dichalcogenides. <i>Nanoscale</i> , <b>2018</b> , 10, 15571-15577	7.7	18
111	Facile synthesis of WS <sub>2</sub> nanotubes by sulfurization of tungsten thin films: formation mechanism, and structural and optical properties. <i>Nanoscale</i> , <b>2018</b> , 10, 16683-16691	7.7	6
110	Incorporation of oxygen atoms as a mechanism for photoluminescence enhancement of chemically treated MoS <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 16918-16923	3.6	12
109	Thickness-Dependent Differential Reflectance Spectra of Monolayer and Few-Layer MoS <sub>2</sub> /MoSe <sub>2</sub> and WSe <sub>2</sub> . <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	106
108	Magnetic-Field-Dependent THz Emission of Spintronic TbFe/Pt Layers. <i>ACS Photonics</i> , <b>2018</b> , 5, 3936-3942	6.3	37
107	Single-photon emitters in GaSe. <i>2D Materials</i> , <b>2017</b> , 4, 021010	5.9	52
106	Micro-reflectance and transmittance spectroscopy: a versatile and powerful tool to characterize 2D materials. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 074002	3	80
105	Highly Anisotropic in-Plane Excitons in Atomically Thin and Bulklike 1T'-ReSe <sub>2</sub> . <i>Nano Letters</i> , <b>2017</b> , 17, 3202-3207	11.5	86
104	Valley dynamics of excitons in monolayer dichalcogenides. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2017</b> , 11, 1700131	2.5	17
103	Biaxial strain tuning of the optical properties of single-layer transition metal dichalcogenides. <i>Npj 2D Materials and Applications</i> , <b>2017</b> , 1,	8.8	118
102	Phonon Sidebands in Monolayer Transition Metal Dichalcogenides. <i>Physical Review Letters</i> , <b>2017</b> , 119, 187402	7.4	100
101	Interlayer excitons in a bulk van der Waals semiconductor. <i>Nature Communications</i> , <b>2017</b> , 8, 639	17.4	52
100	On-Chip Waveguide Coupling of a Layered Semiconductor Single-Photon Source. <i>Nano Letters</i> , <b>2017</b> , 17, 5446-5451	11.5	52
99	Polarization contrast scattering spectroscopy of individual metal nanoantennas. <i>Applied Physics B: Lasers and Optics</i> , <b>2017</b> , 123, 1	1.9	
98	Two-octave spanning supercontinuum generation in stoichiometric silicon nitride waveguides pumped at telecom wavelengths. <i>Optics Express</i> , <b>2017</b> , 25, 1542-1554	3.3	64
97	Biaxial strain in atomically thin transition metal dichalcogenides <b>2017</b> ,		3

96	Single-Photon Emitters: Nanoscale Positioning of Single-Photon Emitters in Atomically Thin WSe <sub>2</sub> (Adv. Mater. 33/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 7032-7032	24	3
95	Magnetic-Field-Induced Rotation of Polarized Light Emission from Monolayer WS <sub>2</sub> . <i>Physical Review Letters</i> , <b>2016</b> , 117, 077402	7.4	63
94	Excitonic Valley Effects in Monolayer WS under High Magnetic Fields. <i>Nano Letters</i> , <b>2016</b> , 16, 7899-7904	11.5	80
93	Trion fine structure and coupled spin-valley dynamics in monolayer tungsten disulfide. <i>Nature Communications</i> , <b>2016</b> , 7, 12715	17.4	185
92	Nanoantenna-controlled radiation pattern of the third-harmonic emission. <i>Applied Physics B: Lasers and Optics</i> , <b>2016</b> , 122, 1	1.9	3
91	Reversible uniaxial strain tuning in atomically thin WSe <sub>2</sub> . <i>2D Materials</i> , <b>2016</b> , 3, 021011	5.9	89
90	Precise and reversible band gap tuning in single-layer MoSe <sub>2</sub> by uniaxial strain. <i>Nanoscale</i> , <b>2016</b> , 8, 2589-93	7.7	102
89	Nanoscale Positioning of Single-Photon Emitters in Atomically Thin WSe <sub>2</sub> . <i>Advanced Materials</i> , <b>2016</b> , 28, 7101-5	24	121
88	Ultrafast Coulomb-Induced Intervalley Coupling in Atomically Thin WS <sub>2</sub> . <i>Nano Letters</i> , <b>2016</b> , 16, 2945-50	11.5	110
87	Valley Zeeman Splitting and Valley Polarization of Neutral and Charged Excitons in Monolayer MoTe <sub>2</sub> at High Magnetic Fields. <i>Nano Letters</i> , <b>2016</b> , 16, 3624-9	11.5	73
86	Nanoantenna-Enhanced Light-Matter Interaction in Atomically Thin WS <sub>2</sub> . <i>ACS Photonics</i> , <b>2015</b> , 2, 1260-1265	6.5	92
85	Resonant internal quantum transitions and femtosecond radiative decay of excitons in monolayer WSe <sub>2</sub> . <i>Nature Materials</i> , <b>2015</b> , 14, 889-93	27	224
84	Single-photon emission from localized excitons in an atomically thin semiconductor. <i>Optica</i> , <b>2015</b> , 2, 347	8.6	290
83	Low-remanence criterion for helicity-dependent all-optical magnetic switching in ferrimagnets. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	36
82	Enhanced Visibility of MoS <sub>2</sub> , MoSe <sub>2</sub> , WSe <sub>2</sub> and Black-Phosphorus: Making Optical Identification of 2D Semiconductors Easier. <i>Electronics (Switzerland)</i> , <b>2015</b> , 4, 847-856	2.6	36
81	Magneto-optical response of ferrimagnetic Tb-Fe thin films in the visible and ultraviolet range. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 245001	3	3
80	Thermally Assisted All-Optical Helicity Dependent Switching of Ferrimagnetic Amorphous Fe <sub>100-x</sub> Tbx Thin Films. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 238-240	0.2	
79	Nano-antennae assisted emission of extreme ultraviolet radiation. <i>Annalen Der Physik</i> , <b>2014</b> , 526, 119-134	46	10

78	Ultrafast spin dynamics in magnetic wide-bandgap semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 1685-1693	1.3	1
77	Photovoltaic and photothermoelectric effect in a double-gated WSe <sub>2</sub> device. <i>Nano Letters</i> , <b>2014</b> , 14, 5846-52	11.5	186
76	All-optical helicity dependent magnetic switching in an artificial zero moment magnet. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 082406	3.4	38
75	Selective Raman modes and strong photoluminescence of gallium selenide flakes on sp <sup>2</sup> carbon. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2014</b> , 32, 04E106	1.3	14
74	All-optical helicity dependent magnetic switching in Tb-Fe thin films with a MHz laser oscillator. <i>Optics Express</i> , <b>2014</b> , 22, 10017-25	3.3	21
73	Dependence of all-optical magnetic switching on the sublattice magnetization orientation in Tb-Fe thin films. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 112403	3.4	20
72	Nano-antenna-assisted harmonic generation. <i>Applied Physics B: Lasers and Optics</i> , <b>2013</b> , 113, 75-79	1.9	16
71	Femtosecond nonlinear ultrasonics in gold probed with ultrashort surface plasmons. <i>Nature Communications</i> , <b>2013</b> , 4, 1468	17.4	52
70	Photoluminescence emission and Raman response of monolayer MoS <sub>2</sub> /MoSe <sub>2</sub> and WSe <sub>2</sub> . <i>Optics Express</i> , <b>2013</b> , 21, 4908-16	3.3	1005
69	Thermally assisted all-optical helicity dependent magnetic switching in amorphous Fe(100-x)Tb(x) alloy films. <i>Advanced Materials</i> , <b>2013</b> , 25, 3122-8	24	100
68	Assignment of the NV0 575-nm zero-phonon line in diamond to a 2E-2A <sub>2</sub> transition. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	10
67	Bow-tie nano-antenna assisted generation of extreme ultraviolet radiation. <i>New Journal of Physics</i> , <b>2013</b> , 15, 093027	2.9	57
66	Ultrafast electron spin dynamics in ZnO and Zn <sub>1-x</sub> CoxO sol-gel thin films. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 03015	0.3	
65	Photoluminescence Emission and Raman Response of MoS <sub>2</sub> , MoSe <sub>2</sub> , and WSe <sub>2</sub> Nanolayers <b>2013</b> ,		3
64	Optimum photoluminescence excitation and recharging cycle of single nitrogen-vacancy centers in ultrapure diamond. <i>Physical Review Letters</i> , <b>2012</b> , 109, 097404	7.4	113
63	Tailoring spatiotemporal light confinement in single plasmonic nanoantennas. <i>Nano Letters</i> , <b>2012</b> , 12, 992-6	11.5	139
62	Diamond nanophotonics. <i>Beilstein Journal of Nanotechnology</i> , <b>2012</b> , 3, 895-908	3	23
61	Coupling of single nitrogen-vacancy defect centers in diamond nanocrystals to optical antennas and photonic crystal cavities. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 918-924	1.3	34

60	Spectral dependence of the magnetic modulation of surface plasmon polaritons in noble/ferromagnetic/noble metal films. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	23
59	Femtosecond quantum optics with semiconductor nanostructures <b>2012</b> , 487-527		
58	Role of Coulomb correlations for femtosecond pump-probe signals obtained from a single quantum dot. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	17
57	Spin-on spintronics: ultrafast electron spin dynamics in ZnO and Zn <sub>1-x</sub> CoxO sol-gel films. <i>Nano Letters</i> , <b>2011</b> , 11, 3355-60	11.5	42
56	Ultraviolet photoluminescence of ZnO quantum dots sputtered at room-temperature. <i>Optics Express</i> , <b>2011</b> , 19, 1641-7	3.3	25
55	Single defect centers in diamond nanocrystals as quantum probes for plasmonic nanostructures. <i>Optics Express</i> , <b>2011</b> , 19, 7914-20	3.3	64
54	Coulomb correlations in quantum dots and their signatures in single dot femtosecond pump-probe signals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 1117-1120		
53	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. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 063108	2.5	16
52	Active magneto-plasmonics in hybrid metal/ferromagnet structures. <i>Nature Photonics</i> , <b>2010</b> , 4, 107-111	33.9	384
51	InP quantum dots in pillar microcavities: mode spectra and single-photon emission. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 210, 012010	0.3	2
50	Enhancement of the magnetic modulation of surface plasmon polaritons in Au/Co/Au films. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 183114	3.4	49
49	Ultrafast spin dynamics in optically excited bulk GaAs at low temperatures. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	21
48	Optical properties of red emitting self-assembled InP/(Al <sub>0.20</sub> Ga <sub>0.80</sub> ) <sub>0.51</sub> In <sub>0.49</sub> P quantum dot based micropillars. <i>Optics Express</i> , <b>2010</b> , 18, 12543-51	3.3	5
47	Femtosecond probing of few-fermion dynamics and deterministic single-photon gain in a single semiconductor quantum dot. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 210, 012035	0.3	
46	Optical excitation and control of electron spins in semiconductor quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2010</b> , 42, 1803-1819	3	22
45	Mehr Licht! Femtosekunden-Quantenoptik mit Festkörper-Nanostrukturen. <i>Physik in Unserer Zeit</i> , <b>2010</b> , 41, 191-196	0.1	1
44	The structure and optical properties of ZnO nanocrystals embedded in SiO <sub>2</sub> fabricated by radio-frequency sputtering. <i>Nanotechnology</i> , <b>2009</b> , 20, 075601	3.4	20
43	Femtosecond few-fermion dynamics and deterministic single-photon gain in a quantum dot. <i>Nature Physics</i> , <b>2009</b> , 5, 352-356	16.2	51

42	Efficient nonlinear light emission of single gold optical antennas driven by few-cycle near-infrared pulses. <i>Physical Review Letters</i> , <b>2009</b> , 103, 257404	7.4	194
41	Femtosecond surface plasmon interferometry. <i>Optics Express</i> , <b>2009</b> , 17, 8423-32	3.3	27
40	Nonlinear Optical Response of Metal Nanoantennas. <i>Springer Series in Chemical Physics</i> , <b>2009</b> , 711-713	0.3	
39	Nanoscale imaging magnetometry with diamond spins under ambient conditions. <i>Nature</i> , <b>2008</b> , 455, 648-51	50.4	1280
38	Nanomechanical control of an optical antenna. <i>Nature Photonics</i> , <b>2008</b> , 2, 230-233	33.9	148
37	Ultrafast spin dynamics in colloidal ZnO quantum dots. <i>Nano Letters</i> , <b>2008</b> , 8, 1991-4	11.5	38
36	Colloidal ZnO quantum dots in ultraviolet pillar microcavities. <i>Optics Express</i> , <b>2008</b> , 16, 9791-4	3.3	18
35	Defect induced ferromagnetism in Co-doped ZnO thin films. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 100, 042034	0.3	18
34	Temperature dependence of the electron spin g factor in GaAs. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	32
33	Encapsulating of single quantum dots into polymer particles. <i>Colloid and Polymer Science</i> , <b>2008</b> , 286, 1329-1334	2.4	25
32	Effects of disorder on electron spin dynamics in a semiconductor quantum well. <i>Nature Physics</i> , <b>2007</b> , 3, 265-269	16.2	35
31	Electron spin polarization through interactions between excitons, trions, and the two-dimensional electron gas. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	24
30	Colloidal quantum dots in all-dielectric high-Q pillar microcavities. <i>Nano Letters</i> , <b>2007</b> , 7, 2897-900	11.5	50
29	Defect induced low temperature ferromagnetism in Zn <sub>1-x</sub> CoxO films. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 073904	2.5	42
28	Electron spin coherence in n-doped CdTe/MgTe quantum wells. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 221113	13.4	15
27	Electron spin dephasing in n-doped CdTe/(Cd, Mg)Te quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 2290-2292	1.3	5
26	Interference effects in transient Kerr spectra of a semiconductor multilayer structure. <i>Optics Letters</i> , <b>2005</b> , 30, 2320-2	3	8
25	Generation of phase-locked and tunable continuous-wave radiation in the terahertz regime. <i>Optics Letters</i> , <b>2005</b> , 30, 3231-3	3	27

24	TERAHERTZ TECHNOLOGY   Terahertz Physics of Semiconductor Heterostructures <b>2005</b> , 168-176		
23	Coherent vs. incoherent charge transport in semiconductor quantum cascade structures <b>2004</b> , 5352, 333		
22	Ultrafast spin phenomena in highly excited n-doped GaAs. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 1506-1508		4
21	Population dynamics in quantum structures. <i>Springer Series in Chemical Physics</i> , <b>2003</b> , 392-394	0.3	
20	Ultrafast coherent electron transport in quantum cascade structures. <i>Springer Series in Chemical Physics</i> , <b>2003</b> , 356-358	0.3	1
19	Direct measurement of intersubband dynamics. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 314, 259-262	2.8	
18	Photoconductive response of InAs/GaAs quantum dot stacks. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 13, 190-193	3	8
17	Intersubband relaxation dynamics in semiconductor quantum structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 13, 908-911	3	4
16	Surface-modified GaAs terahertz plasmon emitter. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 871-873	3.4	17
15	Few-cycle THz generation for imaging and tomography applications. <i>Physics in Medicine and Biology</i> , <b>2002</b> , 47, 3691-7	3.8	2
14	Ultrafast coherent electron transport in semiconductor quantum cascade structures. <i>Physical Review Letters</i> , <b>2002</b> , 89, 047402	7.4	46
13	Few-cycle THz spectroscopy of semiconductor quantum structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2001</b> , 9, 76-83	3	1
12	Intersubband absorption dynamics in coupled quantum wells. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 2755-2757	3.4	24
11	Monitoring the ultrafast electric field change at a mid-infrared plasma Bragg mirror. <i>Optics Letters</i> , <b>2001</b> , 26, 1618-20	3	1
10	Coherent THz emission from optically pumped intersubband plasmons in parabolic quantum wells. <i>Springer Series in Chemical Physics</i> , <b>2001</b> , 203-205	0.3	
9	Few-Cycle THz Spectroscopy of Semiconductor Quantum Structures. <i>Springer Proceedings in Physics</i> , <b>2001</b> , 579-582	0.2	
8	Excitation Dynamics beyond the Slowly-Varying Envelope Approximation. <i>Springer Series in Chemical Physics</i> , <b>2001</b> , 235-237	0.3	
7	Few-cycle THz spectroscopy of nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2000</b> , 7, 693-697	3	1

6	The lower branch of plasmon-phonon coupled modes. <i>Semiconductor Science and Technology</i> , <b>2000</b> , 15, 813-817	1.8	3
5	Coherent terahertz emission from optically pumped intersubband plasmons in parabolic quantum wells. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 3501-3503	3.4	16
4	Sampling a terahertz dipole transition with subcycle time resolution. <i>Optics Letters</i> , <b>2000</b> , 25, 272-4	3	29
3	Coherent THz plasmons in GaAs/AlGaAs superlattices. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 272, 375-377	2.8	7
2	Coherent THz Plasmons in GaAs: Transition from Pure Plasmons to Coupled Plasmon-Phonon Modes. <i>Physica Status Solidi (B): Basic Research</i> , <b>1997</b> , 204, 64-66	1.3	1
1	Single-photon emitters in layered van der Waals materials. <i>Physica Status Solidi (B): Basic Research</i> ,	1.3	3