

# Rupert Huber

## List of Publications by Year in descending order

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262  
papers

12,436  
citations

38660

50  
h-index

24179

110  
g-index

268  
all docs

268  
docs citations

268  
times ranked

11137  
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2017 terahertz science and technology roadmap. Journal Physics D: Applied Physics, 2017, 50, 043001.	1.3	1,160
2	Sub-cycle control of terahertz high-harmonic generation by dynamical Bloch oscillations. Nature Photonics, 2014, 8, 119-123.	15.6	808
3	Coherent terahertz control of antiferromagnetic spin waves. Nature Photonics, 2011, 5, 31-34.	15.6	788
4	How many-particle interactions develop after ultrafast excitation of an electron-hole plasma. Nature, 2001, 414, 286-289.	13.7	555
5	Sub-cycle switch-on of ultrastrong light-matter interaction. Nature, 2009, 458, 178-181.	13.7	498
6	Real-time observation of interfering crystal electrons in high-harmonic generation. Nature, 2015, 523, 572-575.	13.7	480
7	Phase-locked generation and field-resolved detection of widely tunable terahertz pulses with amplitudes exceeding 100 MV/cm. Optics Letters, 2008, 33, 2767.	1.7	459
8	Generation and field-resolved detection of femtosecond electromagnetic pulses tunable up to 41 THz. Applied Physics Letters, 2000, 76, 3191-3193.	1.5	397
9	Coherent Structural Dynamics and Electronic Correlations during an Ultrafast Insulator-to-Metal Phase Transition in $\text{VO}_2$ . Physical Review Letters, 2007, 99, 116401.	2.9	370
10	Tracking the ultrafast motion of a single molecule by femtosecond orbital imaging. Nature, 2016, 539, 263-267.	13.7	365
11	Resonant internal quantum transitions and femtosecond radiative decay of excitons in monolayer WSe <sub>2</sub> . Nature Materials, 2015, 14, 889-893.	13.3	298
12	Synthesis of a single cycle of light with compact erbium-doped fibre technology. Nature Photonics, 2010, 4, 33-36.	15.6	279
13	Ultrafast multi-terahertz nano-spectroscopy with sub-cycle temporal resolution. Nature Photonics, 2014, 8, 841-845.	15.6	260
14	Lightwave-driven quasiparticle collisions on a subcycle timescale. Nature, 2016, 533, 225-229.	13.7	216
15	Ultrabroadband detection of multi-terahertz field transients with GaSe electro-optic sensors: Approaching the near infrared. Applied Physics Letters, 2004, 85, 3360-3362.	1.5	212
16	Lightwave valleytronics in a monolayer of tungsten diselenide. Nature, 2018, 557, 76-80.	13.7	201
17	Nonlinear spin control by terahertz-driven anisotropy fields. Nature Photonics, 2016, 10, 715-718.	15.6	192
18	Non-thermal separation of electronic and structural orders in a persisting charge density wave. Nature Materials, 2014, 13, 857-861.	13.3	181

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19	Femtosecond photo-switching of interface polaritons in black phosphorus heterostructures. Nature Nanotechnology, 2017, 12, 207-211.	15.6	174
20	Direct Observation of Ultrafast Exciton Formation in a Monolayer of WSe <sub>2</sub> . Nano Letters, 2017, 17, 1455-1460.	4.5	171
21	Ultrafast transition between exciton phases in van der Waals heterostructures. Nature Materials, 2019, 18, 691-696.	13.3	168
22	Ultrafast insulator-metal phase transition in VO <sub>2</sub> studied by multiterahertz spectroscopy. Physical Review B, 2011, 83, .	1.1	167
23	Single-cycle multiterahertz transients with peak fields above 10 MV/cm. Optics Letters, 2010, 35, 2645.	1.7	164
24	Temporal Characterization of Femtosecond Laser-Plasma-Accelerated Electron Bunches Using Terahertz Radiation. Physical Review Letters, 2006, 96, 014801.	2.9	160
25	Ultrafast transient generation of spin-density-wave order in the normal state of BaFe <sub>2</sub> As <sub>2</sub> driven by coherent lattice vibrations. Nature Materials, 2012, 11, 497-501.	13.3	159
26	Terahertz Light-Matter Interaction beyond Unity Coupling Strength. Nano Letters, 2017, 17, 6340-6344.	4.5	156
27	Subcycle observation of lightwave-driven Dirac currents in a topological surface band. Nature, 2018, 562, 396-400.	13.7	154
28	Temporal and spectral fingerprints of ultrafast all-coherent spin switching. Nature, 2019, 569, 383-387.	13.7	144
29	Symmetry-controlled temporal structure of high-harmonic carrier fields from a bulk crystal. Nature Photonics, 2017, 11, 227-231.	15.6	128
30	Femtosecond Response of Quasiparticles and Phonons in Superconducting YBaCuO <sub>2</sub> by Wideband Terahertz Spectroscopy. Physical Review Letters, 2010, 105, 067001.	2.9	107
31	8-fs pulses from a compact Er: fiber system: quantitative modeling and experimental implementation. Optics Express, 2009, 17, 1070.	1.7	106
32	Giant magnetic splitting inducing near-unity valley polarization in van der Waals heterostructures. Nature Communications, 2017, 8, 1551.	5.8	105
33	Terahertz Coherent Control of Optically Dark Paraexcitons in Cu <sub>2</sub> O. Physical Review Letters, 2008, 101, 246401.	2.9	103
34	Terahertz-Driven Nonlinear Spin Response of Antiferromagnetic Nickel Oxide. Physical Review Letters, 2016, 117, 197201.	2.9	103
35	Tunable non-integer high-harmonic generation in a topological insulator. Nature, 2021, 593, 385-390.	13.7	98
36	Extremely Nonperturbative Nonlinearities in GaAs Driven by Atomically Strong Terahertz Fields in Gold Metamaterials. Physical Review Letters, 2014, 113, 227401.	2.9	93

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37	Femtosecond Formation of Coupled Phonon-Plasmon Modes in InP: Ultrabroadband THz Experiment and Quantum Kinetic Theory. <i>Physical Review Letters</i> , 2005, 94, 027401.	2.9	88
38	Field-resolved detection of phase-locked infrared transients from a compact Er: fiber system tunable between 55 and 107 THz. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	87
39	Attosecond relative timing jitter and 13 fs tunable pulses from a two-branch Er: fiber laser. <i>Optics Letters</i> , 2007, 32, 3504.	1.7	83
40	Sub-cycle atomic-scale forces coherently control a single-molecule switch. <i>Nature</i> , 2020, 585, 58-62.	13.7	78
41	Nonperturbative Interband Response of a Bulk InSb Semiconductor Driven Off Resonantly by Terahertz Electromagnetic Few-Cycle Pulses. <i>Physical Review Letters</i> , 2012, 109, 147403.	2.9	76
42	Broadband terahertz study of excitonic resonances in the high-density regime in GaAs/AlxGa1-xAs quantum wells. <i>Physical Review B</i> , 2005, 72, .	1.1	72
43	Ultrabroadband terahertz pulses: generation and field-resolved detection. <i>Semiconductor Science and Technology</i> , 2005, 20, S128-S133.	1.0	72
44	Luminescence studies of a Si/SiO2 superlattice. <i>Journal of Applied Physics</i> , 2002, 92, 3564-3568.	1.1	71
45	Stimulated Terahertz Emission from Intraexcitonic Transitions in Cu2O. <i>Physical Review Letters</i> , 2006, 96, 017402.	2.9	65
46	Twist-tailoring Coulomb correlations in van der Waals homobilayers. <i>Nature Communications</i> , 2020, 11, 2167.	5.8	63
47	All-passive phase locking of a compact Er: fiber laser system. <i>Optics Letters</i> , 2011, 36, 540.	1.7	62
48	Ultrafast Mid-Infrared Nanoscopy of Strained Vanadium Dioxide Nanobeams. <i>Nano Letters</i> , 2016, 16, 1421-1427.	4.5	62
49	Subcycle contact-free nanoscopy of ultrafast interlayer transport in atomically thin heterostructures. <i>Nature Photonics</i> , 2021, 15, 594-600.	15.6	55
50	Mapping of the dark exciton landscape in transition metal dichalcogenides. <i>Physical Review B</i> , 2018, 98, .	1.1	53
51	Revealing the dark side of a bright exciton "polariton condensate. <i>Nature Communications</i> , 2014, 5, 4648.	5.8	51
52	Shot noise reduced terahertz detection via spectrally postfiltered electro-optic sampling. <i>Optics Letters</i> , 2014, 39, 2435.	1.7	50
53	Nanoscale Near-Field Tomography of Surface States on (Bi <sub>0.5</sub> Sb <sub>0.5</sub> ) <sub>2</sub> Te <sub>3</sub> . <i>Nano Letters</i> , 2018, 18, 7515-7523.	4.5	50
54	Light Emission from Gold Nanoparticles under Ultrafast Near-Infrared Excitation: Thermal Radiation, Inelastic Light Scattering, or Multiphoton Luminescence?. <i>Nano Letters</i> , 2017, 17, 7914-7919.	4.5	49

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55	Momentum-Resolved Observation of Exciton Formation Dynamics in Monolayer WS <sub>2</sub> . Nano Letters, 2021, 21, 5867-5873.	4.5	45
56	Ultrabroadband 50-130 THz pulses generated via phase-matched difference frequency mixing in LiIO <sub>3</sub> . Optics Express, 2007, 15, 5775.	1.7	44
57	Quantitative sampling of atomic-scale electromagnetic waveforms. Nature Photonics, 2021, 15, 143-147.	15.6	44
58	Coherent cyclotron motion beyond Kohn's theorem. Nature Physics, 2016, 12, 119-123.	6.5	41
59	12-fs pulses from a continuous-wave-pumped 200-nJ Ti:sapphire amplifier at a variable repetition rate as high as 4 MHz. Optics Letters, 2003, 28, 2118.	1.7	40
60	Phase-locked multi-terahertz electric fields exceeding 13 MV/cm at a 190 kHz repetition rate. Optics Letters, 2017, 42, 4367.	1.7	40
61	Magneto-optic transmittance modulation observed in a hybrid graphene split ring resonator terahertz metasurface. Applied Physics Letters, 2015, 107, .	1.5	39
62	Dielectric Engineering of Electronic Correlations in a van der Waals Heterostructure. Nano Letters, 2018, 18, 1402-1409.	4.5	39
63	Super-resolution lightwave tomography of electronic bands in quantum materials. Science, 2020, 370, 1204-1207.	6.0	38
64	Photo-Dember terahertz emitter excited with an Er: fiber laser. Applied Physics Letters, 2011, 98, .	1.5	37
65	Rapid-scan acousto-optical delay line with 34 kHz scan rate and 15 ps precision. Optics Letters, 2013, 38, 2907.	1.7	34
66	Nonadiabatic switching of a photonic band structure: Ultrastrong light-matter coupling and slow-down of light. Physical Review B, 2012, 85, .	1.1	33
67	Electric and magnetic terahertz nonlinearities resolved on the sub-cycle scale. New Journal of Physics, 2013, 15, 065003.	1.2	33
68	Non-adiabatic stripping of a cavity field from electrons in the deep-strong coupling regime. Nature Photonics, 2020, 14, 675-679.	15.6	33
69	Quantifying Nanoscale Electromagnetic Fields in Near-Field Microscopy by Fourier Demodulation Analysis. ACS Photonics, 2020, 7, 344-351.	3.2	30
70	Phase II trial of oral vinorelbine in combination with cisplatin followed by consolidation therapy with oral vinorelbine in advanced NSCLC. Lung Cancer, 2005, 48, 129-135.	0.9	27
71	Ultrafast Nanoscopy of High-Density Exciton Phases in WSe <sub>2</sub> . Nano Letters, 2022, 22, 2561-2568.	4.5	27
72	Structure and electronic properties of SiO <sub>2</sub> /Si multilayer superlattices: Si K-edge and L <sub>3,2</sub> edge x-ray absorption fine structure study. Journal of Applied Physics, 2002, 92, 3000-3006.	1.1	25

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73	Femtosecond terahertz time-domain spectroscopy at 36â€‰kHz scan rate using an acousto-optic delay. Applied Physics Letters, 2016, 108, .	1.5	25
74	Tailored Subcycle Nonlinearities of Ultrastrong Light-Matter Coupling. Physical Review Letters, 2021, 126, 177404.	2.9	21
75	Quantum Physics With Ultrabroadband and Intense Terahertz Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8401608-8401608.	1.9	20
76	Printed array of thin-dielectric metal-oxide-metal (MOM) tunneling diodes. Journal of Applied Physics, 2011, 110, 044316.	1.1	19
77	Ultrafast terahertz saturable absorbers using tailored intersubband polaritons. Nature Communications, 2020, 11, 4290.	5.8	19
78	Femtosecond THz studies of intraâ€‰excitonic transitions. Physica Status Solidi (B): Basic Research, 2008, 245, 1041-1048.	0.7	16
79	Femtosecond buildup of Coulomb screening in a photoexcited electronâ€‰hole plasma. Physica B: Condensed Matter, 2002, 314, 248-254.	1.3	15
80	Reststrahl band-assisted photocurrents in epitaxial graphene layers. Physical Review B, 2013, 88, .	1.1	15
81	Interlayer Excitons in Transitionâ€‰Metal Dichalcogenide Heterobilayers. Physica Status Solidi (B): Basic Research, 2019, 256, 1900308.	0.7	15
82	Ultrafast two-dimensional field spectroscopy of terahertz intersubband saturable absorbers. Optics Express, 2019, 27, 2248.	1.7	15
83	Quantitative terahertz emission nanoscopy with multiresonant near-field probes. Optics Letters, 2021, 46, 3572.	1.7	14
84	Amplitude and Phase Resolved Detection of Tunable Femtosecond Pulses with Frequency Components beyond 100 THz. Springer Series in Chemical Physics, 2001, , 215-217.	0.2	14
85	Ultrafast transient increase of oxygen octahedral rotations in a perovskite. Physical Review Research, 2019, 1, .	1.3	14
86	Intersubband Polariton-Polariton Scattering in a Dispersive Microcavity. Physical Review Letters, 2022, 128, .	2.9	14
87	Scalable high-repetition-rate sub-half-cycle terahertz pulses from spatially indirect interband transitions. Light: Science and Applications, 2022, 11, .	7.7	13
88	Ultrabroadband etalon-free detection of infrared transients by van-der-Waals contacted sub-10-Åµm GaSe detectors. Optics Express, 2018, 26, 19059.	1.7	11
89	Ultrafast electron diffraction from nanophotonic waveforms via dynamical Aharonov-Bohm phases. Science Advances, 2020, 6, .	4.7	11
90	Field-resolved high-order sub-cycle nonlinearities in a terahertz semiconductor laser. Light: Science and Applications, 2021, 10, 246.	7.7	10

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91	Switching ultrastrong light-matter coupling on a subcycle scale. Journal of Applied Physics, 2011, 109, 102418.	1.1	9
92	Femtosecond buildup of Coulomb screening in photoexcited GaAs probed via ultrabroadband THz spectroscopy. Journal of Luminescence, 2001, 94-95, 555-558.	1.5	8
93	Broadband and High-Sensitivity Time-Resolved THz System Using Grating-Assisted Tilted-Pulse-Front Phase Matching. Advanced Optical Materials, 2022, 10, 2101136.	3.6	8
94	Femtosecond Buildup of a Many-Body Resonance Observed via Two-Dimensional THz Time-Domain Spectroscopy. Physica Status Solidi (B): Basic Research, 2002, 234, 207-214.	0.7	7
95	How fast do charged particles get dressed?. Physica Status Solidi (B): Basic Research, 2003, 238, 455-461.	0.7	7
96	Ultrashort pulse characterization with a terahertz streak camera. Optics Letters, 2011, 36, 4458.	1.7	7
97	Tailored nanoantennas for directional Raman studies of individual carbon nanotubes. Physical Review B, 2015, 91, .	1.1	6
98	Light-field-driven electronics in the mid-infrared regime: Schottky rectification. Science Advances, 2022, 8, .	4.7	6
99	Ultrafast THz spectroscopy of correlated electrons: from excitons to Cooper pairs. Physica Status Solidi (B): Basic Research, 2006, 243, 2414-2422.	0.7	5
100	Ultrafast insulator-metal transition in VO <sub>2</sub> : interplay between coherent lattice motion and electronic correlations. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 149-151.	0.8	5
101	A new twist on terahertz pulses. Nature Photonics, 2013, 7, 678-679.	15.6	5
102	Proximity control of interlayer exciton-phonon hybridization in van der Waals heterostructures. Nature Communications, 2021, 12, 1719.	5.8	5
103	Ultrafast Formation of Quasiparticles in Semiconductors: How Bare Charges Get Dressed. , 2004, , 231-249.		5
104	Surface plasmon coupling in hexagonal textured metallic microcavity. IEEE Journal on Selected Areas in Communications, 2005, 23, 1330-1334.	9.7	4
105	Surface plasmon coupling in hexagonal textured metallic microcavity. Applied Physics Letters, 2006, 89, 131123.	1.5	3
106	THz quantum optics with dark excitons in Cu <sub>2</sub> O: from stimulated emission to nonlinear population control. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 156-161.	0.8	3
107	Terahertz collisions. Nature, 2012, 483, 545-546.	13.7	3
108	Terahertz imaging with ultimate resolution. , 2016, , .		3

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109	Tuning Spontaneous Emission through Waveguide Cavity Effects in Semiconductor Nanowires. Nano Letters, 2019, 19, 7287-7292.	4.5	3
110	How fast electrons and photons mix: Sub-cycle switching of intersubband cavity polaritons. Journal of Physics: Conference Series, 2009, 193, 012060.	0.3	2
111	High-harmonic generation in solids. Proceedings of SPIE, 2016, , .	0.8	2
112	Strong-Field Terahertz Excitations in Semiconductors. , 2018, , 33-39.		2
113	Waveform sampling on an atomic scale. Nature Photonics, 2021, 15, 70-71.	15.6	2
114	Multibranch pulse synthesis and electro-optic detection of subcycle multi-terahertz electric fields. Optics Letters, 2019, 44, 5521.	1.7	2
115	Single-cycle multi-terahertz spectroscopy: observing the build-up of phonon-plasmon coupling in photoexcited InP. Journal of Modern Optics, 2005, 52, 965-972.	0.6	1
116	Two-branch Er: fiber laser emitting 11 fs tunable pulses with attosecond relative timing jitter. , 2008, , .		1
117	Faserlaser erzeugt einzelne Lichtschwingung. Physik in Unserer Zeit, 2010, 41, 60-61.	0.0	1
118	Characterization of ultrashort laser pulses with a terahertz streak camera. , 2011, , .		1
119	Nonlinear response of semiconductors driven by intense THz pulses. Proceedings of SPIE, 2012, , .	0.8	1
120	Ultrafast terahertz spin dynamics: from phonon-induced spin order to coherent magnon control. Proceedings of SPIE, 2013, , .	0.8	1
121	A Multi-Terahertz View of Ultrafast Charge Density Wave Dynamics in TiSe2. , 2013, , .		1
122	Mapping spin-orbit activated interchannel coupling. Europhysics Letters, 2014, 106, 13001.	0.7	1
123	Microcavity design for low threshold polariton condensation with ultrashort optical pulse excitation. Journal of Applied Physics, 2015, 117, 205702.	1.1	1
124	Ultrafast optical modulation of magneto-optical terahertz effects occurring in a graphene-loaded resonant metasurface. Proceedings of SPIE, 2016, , .	0.8	1
125	Terahertz Microscopy Down to the Atomic Scale. , 2018, , .		1
126	Ultrafast Spin Precession and Transport Controlled and Probed with Terahertz Radiation. Springer Proceedings in Physics, 2015, , 324-326.	0.1	1



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127	THz Spin Dynamics: Phonon-Induced Spin Order. Springer Proceedings in Physics, 2015, , 327-330.	0.1	1
128	Harmonic Sideband Generation in Monolayer Transition Metal Dichalcogenides. , 2017, , .		1
129	Watching a single molecular orbital move. , 2016, , .		1
130	Watching bare charges get dressed in an ultrabroadband THz experiment. Springer Series in Chemical Physics, 2003, , 365-367.	0.2	1
131	Ultrafast Multi-Terahertz Nanoscopy with Sub-Cycle Temporal Resolution. , 2014, , .		1
132	Femtosecond experiments using single-cycle pulses at 30 THz: the buildup of screening in a photoexcited electron-hole plasma. , 0, , .		0
133	Quantum dynamics in semiconductors studied via ultrafast optical techniques. , 0, , .		0
134	Active textured metallic microcavity. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 446-448.	1.3	0
135	Active medium inside photonic band structured microcavity. , 0, , .		0
136	Hexagonal Lattice Photonic Crystal in Active Metallic Microcavity. Materials Research Society Symposia Proceedings, 2003, 797, 52.	0.1	0
137	Ultrafast formation of many-particle interactions in a photoexcited electron-hole plasma. , 2003, , .		0
138	Ultrafast Buildup of a Many-Body Resonance after Femtosecond Excitation of an Electron-Hole Plasma in GaAs. Advances in Solid State Physics, 2003, , 341-350.	0.8	0
139	Gas electro-optic sensors for ultrabroadband detection of multi-THz field transients. , 0, , .		0
140	Femtosecond formation of phonon-plasmon coupled modes studied by ultrabroadband THz spectroscopy. Springer Series in Chemical Physics, 2005, , 729-731.	0.2	0
141	Femtosecond buildup of phonon-plasmon coupling in photoexcited InP observed by ultrabroadband THz probing. , 2006, , .		0
142	Femtosecond terahertz studies of excitons. , 2007, , .		0
143	11-as relative timing jitter between the output pulse trains of a free-running two-branch femtosecond fiber system. , 2007, , .		0
144	Multi-THz conductivity and lattice dynamics during a femtosecond insulator-metal transition in VO <sub>2</sub> . , 2007, , .		0

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145	Generation of phase-stable infrared transients and electro-optic detection at frequencies up to 140 THz with a compact Er: fiber laser. , 2009, , .		0
146	Ultra-intense THz source and extreme THz nonlinearities in condensed matter. , 2009, , .		0
147	8-fs pulses from a compact Er: fiber laser system. , 2009, , .		0
148	Nonlinear terahertz spectroscopy of magnetically ordered solids. , 2009, , .		0
149	Single-cycle multi-THz transients with electric fields exceeding 10 MV/cm. , 2010, , .		0
150	Terahertz fields beyond 100 MV/cm -new radiation for basic research. , 2010, , .		0
151	Extreme THz nonlinearities in bulk and nanostructured semiconductors. Proceedings of SPIE, 2010, , .	0.8	0
152	FemtoTera quantum optics: single cycles of light, single electrons and photons. , 2010, , .		0
153	Terahertz quantum optics with solid-state systems. , 2010, , .		0
154	Femtosecond quantum optics with semiconductor nanostructures: single cycles of light, electrons, and photons. Proceedings of SPIE, 2010, , .	0.8	0
155	Generation of few-optical-cycle pulses tunable from the near to the far IR by optical parametric amplifiers. , 2011, , .		0
156	Two-dimensional Multi-wave Mixing with High-field THz Transients in InSb. , 2011, , .		0
157	Passively Phase-Locked Er: fiber Technology. , 2011, , .		0
158	Femtosecond Dynamics of Superconducting and Spin-Density Wave Gaps in Pnictides. , 2011, , .		0
159	Multi-THz fields exceeding 100 MV/cm: an ultrabroadband source for sub-cycle nonlinear optics. Proceedings of SPIE, 2011, , .	0.8	0
160	All passively phase-locked Er: fiber laser system. , 2011, , .		0
161	Interband transitions in InP biased with THz fields of 4 MV/cm. , 2011, , .		0
162	Terahertz emitter based on the lateral photo-Dember effect excited with an Er: fiber laser. , 2011, , .		0

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163	Field-resolved four-wave mixing with multi-THz transients in InSb. , 2011, , .		0
164	Sub-cycle THz nonlinear optics mediated by electric and magnetic field coupling. , 2011, , .		0
165	Femtosecond quantum optics with semiconductor nanostructures. , 2012, , 487-527.		0
166	Sub-Cycle Switching of Ultrastrong Light-Matter Interaction in a 1D Photonic Bandstructure. , 2012, , .		0
167	Reststrahlen Band assisted photocurrents in graphene. , 2013, , .		0
168	Femtosecond low-energy dynamics of a charge density wave in TiSe <sub>2</sub> . , 2013, , .		0
169	Acousto-optic fastscan delay with scan rates exceeding 30 kHz and sub-20-attosecond precision. , 2013, , .		0
170	Acousto-optic Fastscan Delay for Ultrafast Photonics with sub-20-Attosecond Precision and Scan Rates exceeding 30 kHz. , 2013, , .		0
171	Transient Spin Density Wave Order Induced in the Normal State of BaFe <sub>2</sub> As <sub>2</sub> by Coherent Lattice Oscillations. EPJ Web of Conferences, 2013, 41, 03012.	0.1	0
172	Non-perturbative four-wave mixing in InSb with intense off-resonant multi-THz pulses. EPJ Web of Conferences, 2013, 41, 04004.	0.1	0
173	Ultrafast low-energy dynamics of graphite studied by nonlinear multi-THz spectroscopy. EPJ Web of Conferences, 2013, 41, 04023.	0.1	0
174	Sub-cycle switching of a photonic bandstructure via ultrastrong light-matter coupling. EPJ Web of Conferences, 2013, 41, 09009.	0.1	0
175	Multi-THz nonlinear optics and sub-cycle control of charge and spin. , 2013, , .		0
176	Ultrafast spin precession and transport controlled and probed with terahertz radiation. Proceedings of SPIE, 2014, , .	0.8	0
177	Extreme Terahertz Nonlinearities in Undoped GaAs Driven by Ultrahigh Near-Fields in Metamaterials. , 2014, , .		0
178	Coherent Bloch Oscillations Driven by Ultrastrong THz Excitation. , 2014, , .		0
179	CEP Control of Dynamical Bloch Oscillations in a Bulk Semiconductor via Ultra-Intense Multi-THz Fields. , 2014, , .		0
180	Ultrafast dissection of excitonic and structural orders in a persisting charge density wave. , 2015, , .		0

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181	Ultrafast Infrared Nanoscopy with Sub-Cycle Temporal Resolution. <i>Microscopy and Microanalysis</i> , 2015, 21, 2163-2164.	0.2	0
182	Sub-cycle strong-field electron dynamics in a bulk semiconductor traced by high-order harmonic generation. , 2015, , .		0
183	Frontiers of sub-cycle terahertz science: The fast, the strong and the small. , 2015, , .		0
184	Sub-cycle control of multi-THz high-harmonic generation and all-coherent charge transport in bulk semiconductors. , 2015, , .		0
185	Ultrafast field-resolved multi-THz spectroscopy on the sub-nanoparticle scale. , 2015, , .		0
186	Tracking the ultrafast motion of a single molecular orbital. , 2016, , .		0
187	Nonlinear quantum control of Landau systems beyond Kohn's theorem. , 2016, , .		0
188	Femtosecond terahertz dynamics of cooperative transitions: from charge density waves to polariton condensates. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
189	Nonperturbative THz nonlinearities for many-body quantum control in semiconductors. , 2016, , .		0
190	Single-molecule instant replay. <i>Nature</i> , 2016, 539, 170-171.	13.7	0
191	Femtosecond switch-on of hybrid polaritons in black phosphorus heterostructures. , 2017, , .		0
192	Ultrafast photo-activation of surface polaritons in black phosphorus heterostructures. , 2017, , .		0
193	Ultrafast photo-activation of interface polaritons in black phosphorus heterostructures. , 2017, , .		0
194	THz-driven strong-field dynamics in solids: High-harmonic generation and quasiparticle collisions. , 2017, , .		0
195	Terahertz Quasiparticle Acceleration: From Electron-Hole Collisions To Lightwave Valleytronics. , 2018, , .		0
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