

Rupert Huber

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.

144
papers

8,527
citations

44
h-index

92
g-index

268
ext. papers

11,036
ext. citations

12.1
avg, IF

5.8
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 144 | Proximity control of interlayer exciton-phonon hybridization in van der Waals heterostructures. <i>Nature Communications</i> , 2021 , 12, 1719 | 17.4 | 1 |
| 143 | Tailored Subcycle Nonlinearities of Ultrastrong Light-Matter Coupling. <i>Physical Review Letters</i> , 2021 , 126, 177404 | 7.4 | 5 |
| 142 | Subcycle contact-free nanoscopy of ultrafast interlayer transport in atomically thin heterostructures. <i>Nature Photonics</i> , 2021 , 15, 594-600 | 33.9 | 18 |
| 141 | Tunable non-integer high-harmonic generation in a topological insulator. <i>Nature</i> , 2021 , 593, 385-390 | 50.4 | 19 |
| 140 | Momentum-Resolved Observation of Exciton Formation Dynamics in Monolayer WS. <i>Nano Letters</i> , 2021 , 21, 5867-5873 | 11.5 | 11 |
| 139 | Quantitative terahertz emission nanoscopy with multiresonant near-field probes. <i>Optics Letters</i> , 2021 , 46, 3572-3575 | 3 | 6 |
| 138 | Quantitative sampling of atomic-scale electromagnetic waveforms. <i>Nature Photonics</i> , 2021 , 15, 143-147 | 33.9 | 13 |
| 137 | Field-resolved high-order sub-cycle nonlinearities in a terahertz semiconductor laser. <i>Light: Science and Applications</i> , 2021 , 10, 246 | 16.7 | 1 |
| 136 | Quantifying Nanoscale Electromagnetic Fields in Near-Field Microscopy by Fourier Demodulation Analysis. <i>ACS Photonics</i> , 2020 , 7, 344-351 | 6.3 | 22 |
| 135 | Twist-tailoring Coulomb correlations in van der Waals homobilayers. <i>Nature Communications</i> , 2020 , 11, 2167 | 17.4 | 27 |
| 134 | Ultrafast electron diffraction from nanophotonic waveforms via dynamical Aharonov-Bohm phases. <i>Science Advances</i> , 2020 , 6, | 14.3 | 6 |
| 133 | Super-resolution lightwave tomography of electronic bands in quantum materials. <i>Science</i> , 2020 , 370, 1204-1207 | 33.3 | 8 |
| 132 | Non-adiabatic stripping of a cavity field from deep-strongly coupled electrons. <i>Nature Photonics</i> , 2020 , 14, 675-679 | 33.9 | 8 |
| 131 | Ultrafast terahertz saturable absorbers using tailored intersubband polaritons. <i>Nature Communications</i> , 2020 , 11, 4290 | 17.4 | 7 |
| 130 | Sub-cycle atomic-scale forces coherently control a single-molecule switch. <i>Nature</i> , 2020 , 585, 58-62 | 50.4 | 24 |
| 129 | Lightwave control of the valley pseudospin in a monolayer of tungsten diselenide. <i>EPJ Web of Conferences</i> , 2019 , 205, 05011 | 0.3 | |
| 128 | Tuning Spontaneous Emission through Waveguide Cavity Effects in Semiconductor Nanowires. <i>Nano Letters</i> , 2019 , 19, 7287-7292 | 11.5 | 1 |

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|-----|--|------|-----|
| 127 | Electron-hole collisions in an atomically thin semiconductor. <i>Journal of Physics: Conference Series</i> , 2019 , 1220, 012001 | 0.3 | |
| 126 | Temporal and spectral fingerprints of ultrafast all-coherent spin switching. <i>Nature</i> , 2019 , 569, 383-387 | 50.4 | 68 |
| 125 | Ultrafast transition between exciton phases in van der Waals heterostructures. <i>Nature Materials</i> , 2019 , 18, 691-696 | 27 | 96 |
| 124 | Interlayer Excitons in Transition-Metal Dichalcogenide Heterobilayers. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1900308 | 1.3 | 7 |
| 123 | Ultrafast transient increase of oxygen octahedral rotations in a perovskite. <i>Physical Review Research</i> , 2019 , 1, | 3.9 | 8 |
| 122 | Ultrafast two-dimensional field spectroscopy of terahertz intersubband saturable absorbers. <i>Optics Express</i> , 2019 , 27, 2248-2257 | 3.3 | 6 |
| 121 | Multibranch pulse synthesis and electro-optic detection of subcycle multi-terahertz electric fields. <i>Optics Letters</i> , 2019 , 44, 5521-5524 | 3 | 0 |
| 120 | Dielectric Engineering of Electronic Correlations in a van der Waals Heterostructure. <i>Nano Letters</i> , 2018 , 18, 1402-1409 | 11.5 | 32 |
| 119 | Lightwave valleytronics in a monolayer of tungsten diselenide. <i>Nature</i> , 2018 , 557, 76-80 | 50.4 | 95 |
| 118 | Mapping of the dark exciton landscape in transition metal dichalcogenides. <i>Physical Review B</i> , 2018 , 98, | 3.3 | 33 |
| 117 | Ultrabroadband etalon-free detection of infrared transients by van-der-Waals contacted sub-10- μ m GaSe detectors. <i>Optics Express</i> , 2018 , 26, 19059-19066 | 3.3 | 7 |
| 116 | Nanoscale Near-Field Tomography of Surface States on (BiSb)Te. <i>Nano Letters</i> , 2018 , 18, 7515-7523 | 11.5 | 31 |
| 115 | Terahertz Microscopy Down to the Atomic Scale 2018 , | | 1 |
| 114 | Subcycle observation of lightwave-driven Dirac currents in a topological surface band. <i>Nature</i> , 2018 , 562, 396-400 | 50.4 | 83 |
| 113 | Strong-Field Terahertz Excitations in Semiconductors 2018 , 33-39 | | 1 |
| 112 | Direct Observation of Ultrafast Exciton Formation in a Monolayer of WSe. <i>Nano Letters</i> , 2017 , 17, 1455-1460 | 11.5 | 126 |
| 111 | Symmetry-controlled time structure of high-harmonic carrier fields from a solid. <i>Nature Photonics</i> , 2017 , 11, 227-231 | 33.9 | 78 |
| 110 | Femtosecond photo-switching of interface polaritons in black phosphorus heterostructures. <i>Nature Nanotechnology</i> , 2017 , 12, 207-211 | 28.7 | 125 |

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|-----|---|------|-----|
| 109 | The 2017 terahertz science and technology roadmap. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 043001 | 11.5 | 724 |
| 108 | Terahertz Light-Matter Interaction beyond Unity Coupling Strength. <i>Nano Letters</i> , 2017 , 17, 6340-6344 | 11.5 | 86 |
| 107 | Giant magnetic splitting inducing near-unity valley polarization in van der Waals heterostructures. <i>Nature Communications</i> , 2017 , 8, 1551 | 17.4 | 73 |
| 106 | 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 | 11.5 | 34 |
| 105 | Phase-locked multi-terahertz electric fields exceeding 13 MV/cm at a 190 kHz repetition rate. <i>Optics Letters</i> , 2017 , 42, 4367-4370 | 3 | 25 |
| 104 | Harmonic Sideband Generation in Monolayer Transition Metal Dichalcogenides 2017 , | | 1 |
| 103 | Nanoscience: Single-molecule instant replay. <i>Nature</i> , 2016 , 539, 170-171 | 50.4 | |
| 102 | Tracking the ultrafast motion of a single molecule by femtosecond orbital imaging. <i>Nature</i> , 2016 , 539, 263-267 | 50.4 | 229 |
| 101 | Terahertz-Driven Nonlinear Spin Response of Antiferromagnetic Nickel Oxide. <i>Physical Review Letters</i> , 2016 , 117, 197201 | 7.4 | 70 |
| 100 | Ultrafast Mid-Infrared Nanoscopy of Strained Vanadium Dioxide Nanobeams. <i>Nano Letters</i> , 2016 , 16, 1421-7 | 11.5 | 50 |
| 99 | Coherent cyclotron motion beyond Kohn–Sham theorem. <i>Nature Physics</i> , 2016 , 12, 119-123 | 16.2 | 26 |
| 98 | Femtosecond terahertz time-domain spectroscopy at 36 kHz scan rate using an acousto-optic delay. <i>Applied Physics Letters</i> , 2016 , 108, 121101 | 3.4 | 17 |
| 97 | 2016 , | | 2 |
| 96 | High-harmonic generation in solids 2016 , | | 2 |
| 95 | Lightwave-driven quasiparticle collisions on a subcycle timescale. <i>Nature</i> , 2016 , 533, 225-9 | 50.4 | 131 |
| 94 | Ultrafast optical modulation of magneto-optical terahertz effects occurring in a graphene-loaded resonant metasurface 2016 , | | 1 |
| 93 | Nonlinear spin control by terahertz-driven anisotropy fields. <i>Nature Photonics</i> , 2016 , 10, 715-718 | 33.9 | 116 |
| 92 | Real-time observation of interfering crystal electrons in high-harmonic generation. <i>Nature</i> , 2015 , 523, 572-5 | 50.4 | 332 |

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|----|---|------|-----|
| 91 | Resonant internal quantum transitions and femtosecond radiative decay of excitons in monolayer WSe ₂ . <i>Nature Materials</i> , 2015 , 14, 889-93 | 27 | 224 |
| 90 | Microcavity design for low threshold polariton condensation with ultrashort optical pulse excitation. <i>Journal of Applied Physics</i> , 2015 , 117, 205702 | 2.5 | 0 |
| 89 | Tailored nanoantennas for directional Raman studies of individual carbon nanotubes. <i>Physical Review B</i> , 2015 , 91, | 3.3 | 6 |
| 88 | Magneto-optic transmittance modulation observed in a hybrid graphene-split ring resonator terahertz metasurface. <i>Applied Physics Letters</i> , 2015 , 107, 121104 | 3.4 | 35 |
| 87 | Ultrafast Infrared Nanoscopy with Sub-Cycle Temporal Resolution. <i>Microscopy and Microanalysis</i> , 2015 , 21, 2163-2164 | 0.5 | |
| 86 | Ultrafast Spin Precession and Transport Controlled and Probed with Terahertz Radiation. <i>Springer Proceedings in Physics</i> , 2015 , 324-326 | 0.2 | 1 |
| 85 | THz Spin Dynamics: Phonon-Induced Spin Order. <i>Springer Proceedings in Physics</i> , 2015 , 327-330 | 0.2 | 1 |
| 84 | Phase-Locked Multi-THz High-Harmonic Generation by Dynamical Bloch Oscillations in Bulk Semiconductors. <i>Springer Proceedings in Physics</i> , 2015 , 721-724 | 0.2 | |
| 83 | Shot noise reduced terahertz detection via spectrally postfiltered electro-optic sampling. <i>Optics Letters</i> , 2014 , 39, 2435-8 | 3 | 31 |
| 82 | Sub-cycle control of terahertz high-harmonic generation by dynamical Bloch oscillations. <i>Nature Photonics</i> , 2014 , 8, 119-123 | 33.9 | 560 |
| 81 | Revealing the dark side of a bright exciton-polariton condensate. <i>Nature Communications</i> , 2014 , 5, 4648 | 17.4 | 34 |
| 80 | Non-thermal separation of electronic and structural orders in a persisting charge density wave. <i>Nature Materials</i> , 2014 , 13, 857-61 | 27 | 128 |
| 79 | Ultrafast multi-terahertz nano-spectroscopy with sub-cycle temporal resolution. <i>Nature Photonics</i> , 2014 , 8, 841-845 | 33.9 | 171 |
| 78 | Extremely Nonperturbative Nonlinearities in GaAs Driven by Atomically Strong Terahertz Fields in Gold Metamaterials. <i>Physical Review Letters</i> , 2014 , 113, 227401 | 7.4 | 67 |
| 77 | Mapping spin-orbit activated interchannel coupling. <i>Europhysics Letters</i> , 2014 , 106, 13001 | 1.6 | 1 |
| 76 | . <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 8401608-8401608 | 3.8 | 15 |
| 75 | Reststrahl band-assisted photocurrents in epitaxial graphene layers. <i>Physical Review B</i> , 2013 , 88, | 3.3 | 14 |
| 74 | Sub-cycle switching of a photonic bandstructure via ultrastrong light-matter coupling. <i>EPJ Web of Conferences</i> , 2013 , 41, 09009 | 0.3 | |

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|----|---|------|-----|
| 73 | Ultrafast terahertz spin dynamics: from phonon-induced spin order to coherent magnon control 2013, | | 1 |
| 72 | A Multi-Terahertz View of Ultrafast Charge Density Wave Dynamics in TiSe2 2013, | | 1 |
| 71 | Rapid-scan acousto-optical delay line with 34 kHz scan rate and 15 as precision. <i>Optics Letters</i> , 2013 , 38, 2907-10 | 3 | 25 |
| 70 | Electric and magnetic terahertz nonlinearities resolved on the sub-cycle scale. <i>New Journal of Physics</i> , 2013 , 15, 065003 | 2.9 | 26 |
| 69 | Transient Spin Density Wave Order Induced in the Normal State of BaFe2As2 by Coherent Lattice Oscillations. <i>EPJ Web of Conferences</i> , 2013 , 41, 03012 | 0.3 | |
| 68 | Non-perturbative four-wave mixing in InSb with intense off-resonant multi-THz pulses. <i>EPJ Web of Conferences</i> , 2013 , 41, 04004 | 0.3 | |
| 67 | Ultrafast low-energy dynamics of graphite studied by nonlinear multi-THz spectroscopy. <i>EPJ Web of Conferences</i> , 2013 , 41, 04023 | 0.3 | |
| 66 | Nonlinear response of semiconductors driven by intense THz pulses 2012, | | 1 |
| 65 | 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 | 7.4 | 55 |
| 64 | Nonadiabatic switching of a photonic band structure: Ultrastrong light-matter coupling and slow-down of light. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 31 |
| 63 | Ultrafast transient generation of spin-density-wave order in the normal state of BaFe2As2 driven by coherent lattice vibrations. <i>Nature Materials</i> , 2012 , 11, 497-501 | 27 | 134 |
| 62 | Femtosecond quantum optics with semiconductor nanostructures 2012 , 487-527 | | |
| 61 | All-passive phase locking of a compact Er: fiber laser system. <i>Optics Letters</i> , 2011 , 36, 540-2 | 3 | 42 |
| 60 | Ultrashort pulse characterization with a terahertz streak camera. <i>Optics Letters</i> , 2011 , 36, 4458-60 | 3 | 4 |
| 59 | Printed array of thin-dielectric metal-oxide-metal (MOM) tunneling diodes. <i>Journal of Applied Physics</i> , 2011 , 110, 044316 | 2.5 | 19 |
| 58 | Coherent terahertz control of antiferromagnetic spin waves. <i>Nature Photonics</i> , 2011 , 5, 31-34 | 33.9 | 578 |
| 57 | Photo-Dember terahertz emitter excited with an Er: fiber laser. <i>Applied Physics Letters</i> , 2011 , 98, 021114 | 3.4 | 35 |
| 56 | Ultrafast insulator-metal phase transition in VO2 studied by multiterahertz spectroscopy. <i>Physical Review B</i> , 2011 , 83, | 3.3 | 139 |

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|----|---|------|-----|
| 55 | Switching ultrastrong light-matter coupling on a subcycle scale. <i>Journal of Applied Physics</i> , 2011 , 109, 102418 | 2.5 | 7 |
| 54 | Synthesis of a single cycle of light with compact erbium-doped fibre technology. <i>Nature Photonics</i> , 2010 , 4, 33-36 | 33.9 | 203 |
| 53 | Femtosecond response of quasiparticles and phonons in superconducting YBa(2)Cu(3)O(7- δ) studied by wideband terahertz spectroscopy. <i>Physical Review Letters</i> , 2010 , 105, 067001 | 7.4 | 86 |
| 52 | Single-cycle multiterahertz transients with peak fields above 10 MV/cm. <i>Optics Letters</i> , 2010 , 35, 2645-7 | 3 | 115 |
| 51 | Towards Intersubband Polaritonics: How Fast Can Light and Electrons Mate? 2010 , 85-96 | | |
| 50 | Ultrabroadband Terahertz Studies of Correlated Electrons 2010 , 593-613 | | |
| 49 | Faserlaser erzeugt einzelne Lichtschwingung. <i>Physik in Unserer Zeit</i> , 2010 , 41, 60-61 | 0.1 | |
| 48 | THz quantum optics with dark excitons in Cu ₂ O: from stimulated emission to nonlinear population control. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 156-161 | | 3 |
| 47 | Ultrafast insulator-metal transition in VO ₂ : interplay between coherent lattice motion and electronic correlations. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 149-151 | | 4 |
| 46 | Sub-cycle switch-on of ultrastrong light-matter interaction. <i>Nature</i> , 2009 , 458, 178-81 | 50.4 | 384 |
| 45 | 8-fs pulses from a compact Er: fiber system: quantitative modeling and experimental implementation. <i>Optics Express</i> , 2009 , 17, 1070-7 | 3.3 | 75 |
| 44 | How fast electrons and photons mix: Sub-cycle switching of intersubband cavity polaritons. <i>Journal of Physics: Conference Series</i> , 2009 , 193, 012060 | 0.3 | 2 |
| 43 | Ultrabroadband Er: fiber Systems and Applications. <i>Springer Series in Chemical Physics</i> , 2009 , 735-737 | 0.3 | |
| 42 | Femtosecond Formation of Ultrastrong Light-Matter Interaction. <i>Springer Series in Chemical Physics</i> , 2009 , 295-297 | 0.3 | |
| 41 | Intense THz Pulses and 11-fs Electro-optic Sampling with a Multi-Branch Er: fiber/Ti: sapphire Hybrid Amplifier. <i>Springer Series in Chemical Physics</i> , 2009 , 672-674 | 0.3 | |
| 40 | THz Slow Motion of an Ultrafast Insulator-Metal Transition in VO ₂ : Coherent Structural Dynamics and Electronic Correlations. <i>Springer Series in Chemical Physics</i> , 2009 , 179-181 | 0.3 | |
| 39 | Terahertz Nonlinear Response and Coherent Population Control of Dark Excitons in Cu ₂ O. <i>Springer Series in Chemical Physics</i> , 2009 , 663-665 | 0.3 | |
| 38 | Phase-locked generation and field-resolved detection of widely tunable terahertz pulses with amplitudes exceeding 100 MV/cm. <i>Optics Letters</i> , 2008 , 33, 2767-9 | 3 | 301 |

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|----|---|------|-----|
| 37 | Terahertz coherent control of optically dark paraexcitons in Cu ₂ O. <i>Physical Review Letters</i> , 2008 , 101, 246401 | 7.4 | 75 |
| 36 | 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, 251107 | 3.4 | 64 |
| 35 | Femtosecond THz studies of intra-excitonic transitions. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 1041-1048 | 1.3 | 13 |
| 34 | Coherent structural dynamics and electronic correlations during an ultrafast insulator-to-metal phase transition in VO ₂ . <i>Physical Review Letters</i> , 2007 , 99, 116401 | 7.4 | 319 |
| 33 | Attosecond relative timing jitter and 13 fs tunable pulses from a two-branch Er: fiber laser. <i>Optics Letters</i> , 2007 , 32, 3504-6 | 3 | 63 |
| 32 | Ultrabroadband 50-130 THz pulses generated via phase-matched difference frequency mixing in LiIO ₃ . <i>Optics Express</i> , 2007 , 15, 5775-81 | 3.3 | 31 |
| 31 | Stimulated Terahertz Emission from Excitons in Cu ₂ O. <i>Springer Series in Chemical Physics</i> , 2007 , 769-771 | 0.3 | |
| 30 | Surface plasmon coupling in hexagonal textured metallic microcavity. <i>Applied Physics Letters</i> , 2006 , 89, 131123 | 3.4 | 3 |
| 29 | Stimulated terahertz emission from intraexcitonic transitions in Cu ₂ O. <i>Physical Review Letters</i> , 2006 , 96, 017402 | 7.4 | 54 |
| 28 | Temporal characterization of femtosecond laser-plasma-accelerated electron bunches using terahertz radiation. <i>Physical Review Letters</i> , 2006 , 96, 014801 | 7.4 | 130 |
| 27 | Ultrafast THz spectroscopy of correlated electrons: from excitons to Cooper pairs. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 2414-2422 | 1.3 | 4 |
| 26 | Ultrafast Formation of Coupled Phonon-Plasmon Modes in InP Observed with Femtosecond Terahertz Spectroscopy 2006 , 29-32 | | |
| 25 | Advances in Solid State Physics. <i>Advances in Solid State Physics</i> , 2006 , | | 9 |
| 24 | Single-cycle multi-terahertz spectroscopy: observing the build-up of phonon-plasmon coupling in photoexcited InP. <i>Journal of Modern Optics</i> , 2005 , 52, 965-972 | 1.1 | 1 |
| 23 | Femtosecond formation of coupled phonon-plasmon modes in InP: Ultrabroadband THz experiment and quantum kinetic theory. <i>Physical Review Letters</i> , 2005 , 94, 027401 | 7.4 | 71 |
| 22 | . <i>IEEE Journal on Selected Areas in Communications</i> , 2005 , 23, 1330-1334 | 14.2 | 4 |
| 21 | Phase II trial of oral vinorelbine in combination with cisplatin followed by consolidation therapy with oral vinorelbine in advanced NSCLC. <i>Lung Cancer</i> , 2005 , 48, 129-35 | 5.9 | 25 |
| 20 | Ultrabroadband terahertz pulses: generation and field-resolved detection. <i>Semiconductor Science and Technology</i> , 2005 , 20, S128-S133 | 1.8 | 54 |

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|----|--|------|-----|
| 19 | Ultrabroadband detection of multi-THz field transients with GaSe electro-optic sensors. <i>Springer Series in Chemical Physics</i> , 2005 , 753-755 | 0.3 | 1 |
| 18 | Femtosecond formation of phonon-plasmon coupled modes studied by ultrabroadband THz spectroscopy. <i>Springer Series in Chemical Physics</i> , 2005 , 729-731 | 0.3 | |
| 17 | Broadband terahertz study of excitonic resonances in the high-density regime in GaAs _{1-x} Ga _x As quantum wells. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 63 |
| 16 | Ultrabroadband detection of multi-terahertz field transients with GaSe electro-optic sensors: Approaching the near infrared. <i>Applied Physics Letters</i> , 2004 , 85, 3360-3362 | 3.4 | 158 |
| 15 | Ultrafast Formation of Quasiparticles in Semiconductors: How Bare Charges Get Dressed 2004 , 231-249 | | 2 |
| 14 | Hexagonal Lattice Photonic Crystal in Active Metallic Microcavity. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 797, 52 | | |
| 13 | Active textured metallic microcavity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 17, 446-448 | 3 | |
| 12 | How fast do charged particles get dressed?. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 238, 455-461 | 1.3 | 5 |
| 11 | 12-fs pulses from a continuous-wave-pumped 200-nJ Ti:sapphire amplifier at a variable repetition rate as high as 4 MHz. <i>Optics Letters</i> , 2003 , 28, 2118-20 | 3 | 35 |
| 10 | Watching bare charges get dressed in an ultrabroadband THz experiment. <i>Springer Series in Chemical Physics</i> , 2003 , 365-367 | 0.3 | 0 |
| 9 | Femtosecond Buildup of a Many-Body Resonance Observed via Two-Dimensional THz Time-Domain Spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2002 , 234, 207-214 | 1.3 | 7 |
| 8 | Femtosecond buildup of Coulomb screening in a photoexcited electron-hole plasma. <i>Physica B: Condensed Matter</i> , 2002 , 314, 248-254 | 2.8 | 13 |
| 7 | Structure and electronic properties of SiO ₂ /Si multilayer superlattices: Si K edge and L _{3,2} edge x-ray absorption fine structure study. <i>Journal of Applied Physics</i> , 2002 , 92, 3000-3006 | 2.5 | 25 |
| 6 | Luminescence studies of a Si/SiO ₂ superlattice. <i>Journal of Applied Physics</i> , 2002 , 92, 3564-3568 | 2.5 | 67 |
| 5 | Femtosecond buildup of Coulomb screening in photoexcited GaAs probed via ultrabroadband THz spectroscopy. <i>Journal of Luminescence</i> , 2001 , 94-95, 555-558 | 3.8 | 7 |
| 4 | How many-particle interactions develop after ultrafast excitation of an electron-hole plasma. <i>Nature</i> , 2001 , 414, 286-9 | 50.4 | 438 |
| 3 | Amplitude and Phase Resolved Detection of Tunable Femtosecond Pulses with Frequency Components beyond 100 THz. <i>Springer Series in Chemical Physics</i> , 2001 , 215-217 | 0.3 | 9 |
| 2 | Generation and field-resolved detection of femtosecond electromagnetic pulses tunable up to 41 THz. <i>Applied Physics Letters</i> , 2000 , 76, 3191-3193 | 3.4 | 308 |

1 Broadband and High-Sensitivity Time-Resolved THz System Using Grating-Assisted Tilted-Pulse-Front Phase Matching. *Advanced Optical Materials*, 2101136

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