Alfred Leitenstorfer

List of Publications by Year in Descending Order

247 papers	10,525 citations	51 h-index	98 g-index
423 ext. papers	12,654 ext. citations	6.3 avg, IF	5.85 L-index

#	Paper	IF	Citations
247	Analysis of Subcycle Electro-Optic Sampling Without Background. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2021**, 42, 701-714	2.2	1
246	Field-resolved detection of the temporal response of a single plasmonic antenna in the mid-infrared. *Optica*, **2021**, 8, 898	8.6	1
245	Femtosecond Transfer and Manipulation of Persistent Hot-Trion Coherence in a Single CdSe/ZnSe Quantum Dot. *Physical Review Letters*, **2021**, 126, 067402	7.4	4
244	Low-field onset of Wannier-Stark localization in a polycrystalline hybrid organic inorganic perovskite. *Nature Communications*, **2021**, 12, 5719	17.4	0
243	Ultrafast Control of Magnetic Anisotropy by Resonant Excitation of 4f Electrons and Phonons in Sm_{0.7}Er_{0.3}FeO_{3}. *Physical Review Letters*, **2021**, 127, 107401	7.4	3
242	Ultrabroadband suppression of mid-infrared reflection losses of a layered semiconductor by nanopatterning with a focused ion beam. *Optics Express*, **2021**, 29, 33632-33641	3.3	1
241	Up to 70 THz bandwidth from an implanted Ge photoconductive antenna excited by a femtosecond Er:fibre laser. *Light: Science and Applications*, **2020**, 9, 30	16.7	17
240	Active control of ultrafast electron dynamics in plasmonic gaps using an applied bias. *Physical Review B*, **2020**, 101,	3.3	7
239	Broadband analysis and self-control of spectral fluctuations in a passively phase-stable Er-doped fiber frequency comb. *Physical Review A*, **2020**, 101,	2.6	2
238	Determination of the electric field and its Hilbert transform in femtosecond electro-optic sampling. *Physical Review A*, **2020**, 101,	2.6	10
237	Passive elimination of correlated amplitude fluctuations in ultrabroadband supercontinua from highly nonlinear fibers by three-wave mixing. *Optics Letters*, **2020**, 45, 4714-4717	3	2
236	Sub-femtosecond electron transport in a nanoscale gap. *Nature Physics*, **2020**, 16, 341-345	16.2	42
235	Subcycle Wannier-Stark Localization by Mid-Infrared Bias in Gallium Arsenide. *EPJ Web of Conferences*, **2019**, 205, 05001	0.3	
234	Dynamics of electron-emission currents in plasmonic gaps induced by strong fields. *Faraday Discussions*, **2019**, 214, 147-157	3.6	9
233	Temporal solitons in free-space femtosecond enhancement cavities. *Nature Photonics*, **2019**, 13, 214-218	33.9	23
232	Spectra of Ultrabroadband Squeezed Pulses and the Finite-Time Unruh-Davies Effect. *Physical Review Letters*, **2019**, 122, 053604	7.4	8
231	Control of excitonic absorption by thickness variation in few-layer GaSe. *Physical Review B*, **2019**, 100,	3.3	10

230	Deterministic Nonlinear Transformations of Phase Noise in Quantum-Limited Frequency Combs. *Physical Review Letters*, **2019**, 122, 203902	7.4	6
229	Subcycle squeezing of light from a time flow perspective. *Nature Physics*, **2019**, 15, 960-966	16.2	9
228	Few-cycle, carrier□envelope-phase-stable laser pulses from a compact supercontinuum source. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, A93	1.7	8
227	Broadband interferometric subtraction of optical fields. *Optics Express*, **2019**, 27, 2432-2443	3.3	5
226	Multicolor femtosecond pump-probe system with single-electron sensitivity at low temperatures and high magnetic fields. *Review of Scientific Instruments*, **2019**, 90, 123003	1.7	5
225	Special issue on ultrafast spectroscopy: fundamentals. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2019**, 52, 010201	1.3	
224	Boxcar detection for high-frequency modulation in stimulated Raman scattering microscopy. *Applied Physics Letters*, **2018**, 112, 161101	3.4	9
223	Charge and spin control of ultrafast electron and hole dynamics in single CdSe/ZnSe quantum dots. *Physical Review B*, **2018**, 97,	3.3	11
222	Signatures of transient Wannier-Stark localization in bulk gallium arsenide. *Nature Communications*, **2018**, 9, 2890	17.4	20
221	Terahertz shockwaves generated by a precise subcycle cut of the electric field. *Optica*, **2018**, 5, 821	8.6	8
220	Highly standardized multicolor femtosecond fiber system for selective microphotomanipulation of deoxyribonucleic acid and chromatin. *Optics Letters*, **2018**, 43, 2877-2880	3	5
219	Efficient Emission Enhancement of Single CdSe/CdS/PMMA Quantum Dots through Controlled Near-Field Coupling to Plasmonic Bullseye Resonators. *Nano Letters*, **2018**, 18, 5396-5400	11.5	18
218	High-power frequency comb at 2 □m wavelength emitted by a Tm-doped fiber laser system. *Optics Letters*, **2018**, 43, 5178-5181	3	21
217	Broadly tunable ultrafast pump-probe system operating at multi-kHz repetition rate. *Journal of Optics (United Kingdom)*, **2018**, 20, 014005	1.7	22
216	Plasmonic mid-infrared third harmonic generation in germanium nanoantennas. *Light: Science and Applications*, **2018**, 7, 106	16.7	23
215	Subcycle quantum electrodynamics. *Nature*, **2017**, 541, 376-379	50.4	51
214	Femtosecond measurements of electric fields: from classical amplitudes to quantum fluctuations. *European Journal of Physics*, **2017**, 38, 024003	0.8	13
213	Parametric Amplification of Phase-Locked Few-Cycle Pulses and Ultraviolet Harmonics Generation in Solids at High Repetition Rate. *Laser and Photonics Reviews*, **2017**, 11, 1700062	8.3	7

212	Dispersion of the nonlinear susceptibility in gold nanoantennas. *Physical Review B*, **2017**, 96,	3.3	8
211	Multicolor lasers using birefringent filters: experimental demonstration with Cr:Nd:GSGG and Cr:LiSAF. *Optics Express*, **2017**, 25, 2594-2607	3.3	21
210	Artifact free time resolved near-field spectroscopy. *Optics Express*, **2017**, 25, 28589	3.3	22
209	Ultrabroadband out-of-loop characterization of the carrier-envelope phase noise of an offset-free Er:fiber frequency comb. *Optics Letters*, **2017**, 42, 2050-2053	3	11
208	Coherent field transients below 15 THz from phase-matched difference frequency generation in 4H-SiC. *Optics Letters*, **2017**, 42, 2687-2690	3	12
207	Red-diode-pumped Cr:Nd:GSGG laser: two-color mode-locked operation. *Journal of the Optical Society of America B: Optical Physics*, **2017**, 34, 1023	1.7	16
206	Coupling of Excitons and Discrete Acoustic Phonons in Vibrationally Isolated Quantum Emitters. *Nano Letters*, **2016**, 16, 5861-5	11.5	12
205	Sub-cycle optical phase control of nanotunnelling in the single-electron regime. *Nature Photonics*, **2016**, 10, 667-670	33.9	114
204	Optical Activation of Germanium Plasmonic Antennas in the Mid-Infrared. *Physical Review Letters*, **2016**, 117, 047401	7.4	40
203	CdSe/CdS□onjugated Polymer Core□Shell Hybrid Nanoparticles by a Grafting-From Approach. *ACS Macro Letters*, **2016**, 5, 786-789	6.6	10
202	Signale aus dem Nichts □Abtasten von Vakuum-Fluktuationen. *Physik in Unserer Zeit*, **2016**, 47, 7-8	0.1	
201	615 fs pulses with 17 mJ energy generated by an Yb:thin-disk amplifier at 3 kHz repetition rate. *Optics Letters*, **2016**, 41, 246-9	3	18
200	Simultaneous Sampling of Electric Field Quadratures in the Time Domain **2016**,		1
199	Germanium plasmonic nanoantennas for third-harmonic generation in the mid infrared **2016**,		2
198	Controlled polar asymmetry of few-cycle and intense mid-infrared pulses. *Journal of Optics (United Kingdom)*, **2016**, 18, 05LT01	1.7	3
197	Stimulated Raman scattering microscopy by Nyquist modulation of a two-branch ultrafast fiber source. *Optics Letters*, **2016**, 41, 3731-4	3	11
196	Diode-pumped continuous-wave and femtosecond Cr:LiCAF lasers with high average power in the near infrared, visible and near ultraviolet. *Optics Express*, **2015**, 23, 8901-9	3.3	8
195	Direct sampling of electric-field vacuum fluctuations. *Science*, **2015**, 350, 420-3	33.3	107

194	Ultrastable fiber amplifier delivering 145-fs pulses with 6-□ energy at 10-MHz repetition rate. *Optics Letters*, **2015**, 40, 823-6	3	16
193	Below-gap excitation of semiconducting single-wall carbon nanotubes. *Nanoscale*, **2015**, 7, 18337-42	7.7	5
192	Noncollinear parametric amplification in the near-infrared based on type-II phase matching. *Journal of Optics (United Kingdom)*, **2015**, 17, 094003	1.7	14
191	Gain-Matched Output Couplers for Efficient Kerr-Lens Mode-Locking of Low-Cost and High-Peak Power Cr:LiSAF Lasers. *IEEE Journal of Selected Topics in Quantum Electronics*, **2015**, 21, 94-105	3.8	12
190	Tunneling breakdown of a strongly correlated insulating state in VO2 induced by intense multiterahertz excitation. *Physical Review B*, **2015**, 91,	3.3	43
189	Ultrafast pseudospin dynamics in graphene. *Physical Review B*, **2015**, 92,	3.3	38
188	Paraxial Theory of Direct Electro-optic Sampling of the Quantum Vacuum. *Physical Review Letters*, **2015**, 115, 263601	7.4	34
187	Free-running performance and full control of a passively phase-stable Er:fiber frequency comb. *Optica*, **2015**, 2, 917	8.6	25
186	Nonlinear photoluminescence spectrum of single gold nanostructures. *ACS Nano*, **2015**, 9, 894-900	16.7	40
185	Ultrafast Spin Precession and Transport Controlled and Probed with Terahertz Radiation. *Springer Proceedings in Physics*, **2015**, 324-326	0.2	1
184	THz Spin Dynamics: Phonon-Induced Spin Order. *Springer Proceedings in Physics*, **2015**, 327-330	0.2	1
183	Ultrafast Insulator-Metal Transition in VO2 Driven by Intense Multi-THz Pulses. *Springer Proceedings in Physics*, **2015**, 637-640	0.2	
182	Tailoring of High-Field Multi-THz Waveforms with Sub-Cycle Precision. *Springer Proceedings in Physics*, **2015**, 805-808	0.2	0
181	Nano-antennae assisted emission of extreme ultraviolet radiation. *Annalen Der Physik*, **2014**, 526, 119-134	1.6	10
180	Poly(ADP-ribose)-mediated interplay of XPA and PARP1 leads to reciprocal regulation of protein function. *FEBS Journal*, **2014**, 281, 3625-41	5.7	48
179	Ultrabroadband Er:fiber lasers. *Laser and Photonics Reviews*, **2014**, 8, 409-428	8.3	81
178	Physics. Particle physics in a superconductor. *Science*, **2014**, 345, 1121-2	33.3	9
177	Focus on nonlinear terahertz studies. *New Journal of Physics*, **2014**, 16, 045016	2.9	20

176	A Direct Approach to Organic/Inorganic Semiconductor Hybrid Particles via Functionalized Polyfluorene Ligands. *Advanced Functional Materials*, **2014**, 24, 2714-2719	15.6	19
175	Sub-cycle slicing of phase-locked and intense mid-infrared transients. *New Journal of Physics*, **2014**, 16, 063033	2.9	23
174	Stable single-photon emission by quantum dot/polymer hybrid particles. *Macromolecular Rapid Communications*, **2013**, 34, 1145-50	4.8	13
173	Nano-antenna-assisted harmonic generation. *Applied Physics B: Lasers and Optics*, **2013**, 113, 75-79	1.9	16
172	Femtosecond nonlinear ultrasonics in gold probed with ultrashort surface plasmons. *Nature Communications*, **2013**, 4, 1468	17.4	52
171	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2013**, 19, 8401608-8401608	3.8	15
170	Sub-cycle switching of a photonic bandstructure via ultrastrong light-matter coupling. *EPJ Web of Conferences*, **2013**, 41, 09009	0.3	
169	Optical parametric chirped pulse amplifier at 1600 nm with all-optical synchronization. *EPJ Web of Conferences*, **2013**, 41, 10014	0.3	
168	Assignment of the NV0 575-nm zero-phonon line in diamond to a 2E-2A2 transition. *Physical Review B*, **2013**, 87,	3.3	10
167	Ultrafast terahertz spin dynamics: from phonon-induced spin order to coherent magnon control **2013**,		1
166	Bow-tie nano-antenna assisted generation of extreme ultraviolet radiation. *New Journal of Physics*, **2013**, 15, 093027	2.9	57
165	Tapered diode-pumped continuous-wave alexandrite laser. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 3184	1.7	35
164	Ultrafast electron spin dynamics in ZnO and Zn1-xCoxO sol-gel thin films. *EPJ Web of Conferences*, **2013**, 41, 03015	0.3	
163	Imaging of the DNA damage-induced dynamics of nuclear proteins via nonlinear photoperturbation. *Journal of Biophotonics*, **2013**, 6, 645-55	3.1	6
162	Transient Spin Density Wave Order Induced in the Normal State of BaFe2As2by Coherent Lattice Oscillations. *EPJ Web of Conferences*, **2013**, 41, 03012	0.3	
161	Fully coherent spectral broadening of femtosecond pulses from an Er:fiber system. *EPJ Web of Conferences*, **2013**, 41, 10015	0.3	
160	Non-perturbative four-wave mixing in InSb with intense off-resonant multi-THz pulses. *EPJ Web of Conferences*, **2013**, 41, 04004	0.3	
159	Ultrafast low-energy dynamics of graphite studied by nonlinear multi-THz spectroscopy. *EPJ Web of Conferences*, **2013**, 41, 04023	0.3	

158	Highlighting the DNA damage response with ultrashort laser pulses in the near infrared and kinetic modeling. *Frontiers in Genetics*, **2013**, 4, 135	4.5	28
157	Polyfluorene Nanoparticles and Quantum Dot Hybrids via Miniemulsion Polymerization. *ACS Macro Letters*, **2012**, 1, 1343-1346	6.6	33
156	Nonlinear response of semiconductors driven by intense THz pulses **2012**,		1
155	Optimum photoluminescence excitation and recharging cycle of single nitrogen-vacancy centers in ultrapure diamond. *Physical Review Letters*, **2012**, 109, 097404	7.4	113
154	Nonperturbative interband response of a bulk InSb semiconductor driven off resonantly by terahertz electromagnetic few-cycle pulses. *Physical Review Letters*, **2012**, 109, 147403	7.4	55
153	Tailoring spatiotemporal light confinement in single plasmonic nanoantennas. *Nano Letters*, **2012**, 12, 992-6	11.5	139
152	Diamond nanophotonics. *Beilstein Journal of Nanotechnology*, **2012**, 3, 895-908	3	23
151	Coupling of single nitrogen-vacancy defect centers in diamond nanocrystals to optical antennas and photonic crystal cavities. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 918-924	1.3	34
150	Nonadiabatic switching of a photonic band structure: Ultrastrong light-matter coupling and slow-down of light. *Physical Review B*, **2012**, 85,	3.3	31
149	Ultrafast transient generation of spin-density-wave order in the normal state of BaFe2As2 driven by coherent lattice vibrations. *Nature Materials*, **2012**, 11, 497-501	27	134
148	Compact and efficient Cr:LiSAF lasers pumped by one single-spatial-mode diode: a minimal cost approach. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 1894	1.7	21
147	Mid-infrared optical parametric amplifier based on a LGSe crystal and pumped at 1.6 Ħh. *Optics Express*, **2012**, 20, 27456-64	3.3	8
146	Pulse synthesis in the single-cycle regime from independent mode-locked lasers using attosecond-precision feedback. *Optics Letters*, **2012**, 37, 3579-81	3	56
145	Non-iterative characterization of few-cycle laser pulses using flat-top gates. *Optics Express*, **2012**, 20, 5955-61	3.3	4
144	Femtosecond coherent seeding of a broadband Tm:fiber amplifier by an Er:fiber system. *Optics Letters*, **2012**, 37, 554-6	3	37
143	Spectral dependence of the magnetic modulation of surface plasmon polaritons in noble/ferromagnetic/noble metal films. *Physical Review B*, **2012**, 86,	3.3	23
142	Femtosecond quantum optics with semiconductor nanostructures **2012**, 487-527		
141	Role of Coulomb correlations for femtosecond pump-probe signals obtained from a single quantum dot. *Physical Review B*, **2011**, 84,	3.3	17

140	Spin-on spintronics: ultrafast electron spin dynamics in ZnO and Zn□xCoxO sol-gel films. *Nano Letters*, **2011**, 11, 3355-60	11.5	42
139	Ultraviolet photoluminescence of ZnO quantum dots sputtered at room-temperature. *Optics Express*, **2011**, 19, 1641-7	3.3	25
138	Single defect centers in diamond nanocrystals as quantum probes for plasmonic nanostructures. *Optics Express*, **2011**, 19, 7914-20	3.3	64
137	Femtosecond Cr:LiSAF and Cr:LiCAF lasers pumped by tapered diode lasers. *Optics Express*, **2011**, 19, 20444-61	3.3	29
136	All-passive phase locking of a compact Er:fiber laser system. *Optics Letters*, **2011**, 36, 540-2	3	42
135	Ultrashort pulse characterization with a terahertz streak camera. *Optics Letters*, **2011**, 36, 4458-60	3	4
134	Coherent terahertz control of antiferromagnetic spin waves. *Nature Photonics*, **2011**, 5, 31-34	33.9	578
133	Simultaneous second-harmonic generation, third-harmonic generation, and four-wave mixing microscopy with single sub-8 fs laser pulses. *Applied Physics Letters*, **2011**, 99, 181124	3.4	11
132	Dissection of the xeroderma pigmentosum group C protein function by site-directed mutagenesis. *Antioxidants and Redox Signaling*, **2011**, 14, 2479-90	8.4	8
131	Photo-Dember terahertz emitter excited with an Er:fiber laser. *Applied Physics Letters*, **2011**, 98, 021114	3.4	35
130	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	16
129	Ultrafast insulator-metal phase transition in VO2 studied by multiterahertz spectroscopy. *Physical Review B*, **2011**, 83,	3.3	139
128	Switching ultrastrong light□matter coupling on a subcycle scale. *Journal of Applied Physics*, **2011**, 109, 102418	2.5	7
127	Synthesis of a single cycle of light with compact erbium-doped fibre technology. *Nature Photonics*, **2010**, 4, 33-36	33.9	203
126	Active magneto-plasmonics in hybrid metal□ferromagnet structures. *Nature Photonics*, **2010**, 4, 107-111	33.9	384
125	InP quantum dots in pillar microcavities □mode spectra and single-photon emission. *Journal of Physics: Conference Series*, **2010**, 210, 012010	0.3	2
124	Femtosecond response of quasiparticles and phonons in superconducting YBa(2)Cu(3)O(7-□) studied by wideband terahertz spectroscopy. *Physical Review Letters*, **2010**, 105, 067001	7.4	86
123	Enhancement of the magnetic modulation of surface plasmon polaritons in Au/Co/Au films. *Applied Physics Letters*, **2010**, 97, 183114	3.4	49

122	Optical properties of red emitting self-assembled InP/(Al0.20Ga0.80)0.51In0.49P quantum dot based micropillars. *Optics Express*, **2010**, 18, 12543-51	3.3	5
121	Single-cycle multiterahertz transients with peak fields above 10 MV/cm. *Optics Letters*, **2010**, 35, 2645-7	3	115
120	Ultrabroadband background-free coherent anti-Stokes Raman scattering microscopy based on a compact Er:fiber laser system. *Optics Letters*, **2010**, 35, 3282-4	3	79
119	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	0.3	
118	Specific local induction of DNA strand breaks by infrared multi-photon absorption. *Nucleic Acids Research*, **2010**, 38, e14	20.1	44
117	Towards Intersubband Polaritonics: How Fast Can Light and Electrons Mate? **2010**, 85-96		
116	Ultrabroadband Terahertz Studies of Correlated Electrons **2010**, 593-613		
115	Mehr Licht! Femtosekunden-Quantenoptik mit Festk□per-Nanostrukturen. *Physik in Unserer Zeit*, **2010**, 41, 191-196	0.1	1
114	Faserlaser erzeugt einzelne Lichtschwingung. *Physik in Unserer Zeit*, **2010**, 41, 60-61	0.1	
113	THz quantum optics with dark excitons in Cu2O: from stimulated emission to nonlinear population control. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2009**, 6, 156-161		3
112	Ultrafast insulator-metal transition in VO2: interplay between coherent lattice motion and electronic correlations. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2009**, 6, 149-151		4
111	Two-stage dynamic DNA quality check by xeroderma pigmentosum group C protein. *EMBO Journal*, **2009**, 28, 2387-99	13	63
110	Sub-cycle switch-on of ultrastrong light-matter interaction. *Nature*, **2009**, 458, 178-81	50.4	384
109	Femtosecond few-fermion dynamics and deterministic single-photon gain in a quantum dot. *Nature Physics*, **2009**, 5, 352-356	16.2	51
108	Efficient nonlinear light emission of single gold optical antennas driven by few-cycle near-infrared pulses. *Physical Review Letters*, **2009**, 103, 257404	7.4	194
107	Compact coherent anti-Stokes Raman scattering microscope based on a picosecond two-color Er:fiber laser system. *Optics Letters*, **2009**, 34, 2847-9	3	90
106	8-fs pulses from a compact Er:fiber system: quantitative modeling and experimental implementation. *Optics Express*, **2009**, 17, 1070-7	3.3	75
105	Femtosecond surface plasmon interferometry. *Optics Express*, **2009**, 17, 8423-32	3.3	27

104	How fast electrons and photons mix: Sub-cycle switching of intersubband cavity polaritons. *Journal of Physics: Conference Series*, **2009**, 193, 012060	0.3	2
103	Ultrafast Bleaching and Gain in a Single Semiconductor Quantum Dot. *Springer Series in Chemical Physics*, **2009**, 298-300	0.3	
102	Ultrabroadband Er:fiber Systems and Applications. *Springer Series in Chemical Physics*, **2009**, 735-737	0.3	
101	Nonlinear Optical Response of Metal Nanoantennas. *Springer Series in Chemical Physics*, **2009**, 711-713	0.3	
100	Femtosecond Formation of Ultrastrong Light-Matter Interaction. *Springer Series in Chemical Physics*, **2009**, 295-297	0.3	
99	Intense THz Pulses and 11-fs Electro-optic Sampling with a Multi-Branch Er:fiber/Ti:sapphire Hybrid Amplifier. *Springer Series in Chemical Physics*, **2009**, 672-674	0.3	
98	THz Slow Motion of an Ultrafast Insulator-Metal Transition in VO2: Coherent Structural Dynamics and Electronic Correlations. *Springer Series in Chemical Physics*, **2009**, 179-181	0.3	
97	Terahertz Nonlinear Response and Coherent Population Control of Dark Excitons in Cu2O. *Springer Series in Chemical Physics*, **2009**, 663-665	0.3	
96	Nanoscale imaging magnetometry with diamond spins under ambient conditions. *Nature*, **2008**, 455, 648-51	50.4	1280
95	Nanomechanical control of an optical antenna. *Nature Photonics*, **2008**, 2, 230-233	33.9	148
94	Phase-locked generation and field-resolved detection of widely tunable terahertz pulses with amplitudes exceeding 100 MV/cm. *Optics Letters*, **2008**, 33, 2767-9	3	301
93	Colloidal ZnO quantum dots in ultraviolet pillar microcavities. *Optics Express*, **2008**, 16, 9791-4	3.3	18
92	Terahertz coherent control of optically dark paraexcitons in Cu2O. *Physical Review Letters*, **2008**, 101, 246401	7.4	75
91	Field-resolved detection of phase-locked infrared transients from a compact Er:fiber system tunable between 55 and 107 THz. *Applied Physics Letters*, **2008**, 93, 251107	3.4	64
90	Encapsulating of single quantum dots into polymer particles. *Colloid and Polymer Science*, **2008**, 286, 1329-1334	2.4	25
89	Highly versatile confocal microscopy system based on a tunable femtosecond Er:fiber source. *Journal of Biophotonics*, **2008**, 1, 53-61	3.1	28
88	Generation of multiple DNA lesions at subnuclear resolution by multi-photon irradiation **2008**, 225-226		
87	Sum frequency generation of continuously tunable blue pulses from a two-branch femtosecond fiber source. *Optics Communications*, **2007**, 274, 417-421	2	3

86	Coherent structural dynamics and electronic correlations during an ultrafast insulator-to-metal phase transition in VO2. *Physical Review Letters*, **2007**, 99, 116401	7.4	319
85	Mid-infrared difference-frequency generation of ultrashort pulses tunable between 3.2 and 4.8 microm from a compact fiber source. *Optics Letters*, **2007**, 32, 1138-40	3	136
84	Attosecond relative timing jitter and 13 fs tunable pulses from a two-branch Er:fiber laser. *Optics Letters*, **2007**, 32, 3504-6	3	63
83	Colloidal quantum dots in all-dielectric high-Q pillar microcavities. *Nano Letters*, **2007**, 7, 2897-900	11.5	50
82	Ballistic transport in semiconductor nanostructures: From quasi-classical oscillations to novel THz-emitters **2006**, 67, 199-205		
81	Ultrafast spectroscopy of impact ionization and avalanche multiplication in GaAs. *Applied Physics Letters*, **2006**, 88, 132113	3.4	4
80	Multimilliwatt ultrashort pulses continuously tunable in the visible from a compact fiber source. *Optics Letters*, **2006**, 31, 1148-50	3	50
79	Highly efficient second, third and fourth harmonic generation from a two- branch femtosecond erbium fiber source. *Optics Express*, **2006**, 14, 1905-12	3.3	32
78	THz Collective Real-Space Oscillations of Ballistic Electrons in Wide Parabolic Potential Wells: an Exotic Transport Regime **2006**, 81-84		
77	Impact Ionization and Avalanche Multiplication in AlGaAs: a Time-Resolved Study **2006**, 277-280		
76	Ultrafast Formation of Coupled Phonon-Plasmon Modes in InP Observed with Femtosecond Terahertz Spectroscopy **2006**, 29-32		
75	Two-branch Er:fiber laser system for long-term optical frequency metrology **2005**,		1
74	Long term comparison of two fiber based frequency comb systems. *Optics Express*, **2005**, 13, 904-9	3.3	79
73	Single-cycle multi-terahertz spectroscopy: observing the build-up of phonon–plasmon coupling in photoexcited InP. *Journal of Modern Optics*, **2005**, 52, 965-972	1.1	1
72	Femtosecond formation of coupled phonon-plasmon modes in InP: Ultrabroadband THz experiment and quantum kinetic theory. *Physical Review Letters*, **2005**, 94, 027401	7.4	71
71	Ultrabroadband terahertz pulses: generation and field-resolved detection. *Semiconductor Science and Technology*, **2005**, 20, S128-S133	1.8	54
70	Ultrabroadband detection of multi-THz field transients with GaSe electro-optic sensors. *Springer Series in Chemical Physics*, **2005**, 753-755	0.3	1
69	THz collective oscillations of ballistic electrons in wide potential wells: Bridging classical transport with quantum dynamics. *Europhysics Letters*, **2005**, 70, 534-540	1.6	4

68	Femtosecond formation of phonon-plasmon coupled modes studied by ultrabroadband THz spectroscopy. *Springer Series in Chemical Physics*, **2005**, 729-731	0.3	
67	Femtosecond spectroscopy of unipolar nanometer-scale high-field transport of holes in Al0.08Ga0.92As. *Applied Physics Letters*, **2005**, 86, 142105	3.4	3
66	Ultrafast high-field transport in GaAs: direct observation of quasi-ballistic electron motion, impact ionization and avalanche multiplication. *Semiconductor Science and Technology*, **2004**, 19, S167-S169	1.8	3
65	Ultrafast high-field transport after 10 fs hot carrier injection in Si and SiGe. *Semiconductor Science and Technology*, **2004**, 19, S267-S269	1.8	3
64	Exotic transport regime in GaAs: absence of intervalley scattering leading to quasi-ballistic, real-space THz oscillations. *Semiconductor Science and Technology*, **2004**, 19, S195-S198	1.8	5
63	Full-band Monte Carlo simulations of photo excitation in silicon diode structures. *Semiconductor Science and Technology*, **2004**, 19, S301-S303	1.8	2
62	Ultrafast transport of electrons in GaAs: Direct observation of quasiballistic motion and side valley transfer. *Physical Review B*, **2004**, 70,	3.3	20
61	Physics and applications of self-assembled quantum dots. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 2131-2159		6
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