

# Alfred Leitenstorfer

## List of Publications by Citations

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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.

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	Nanoscale imaging magnetometry with diamond spins under ambient conditions. <i>Nature</i> , <b>2008</b> , 455, 648-51	50.4	1280
246	Coherent terahertz control of antiferromagnetic spin waves. <i>Nature Photonics</i> , <b>2011</b> , 5, 31-34	33.9	578
245	How many-particle interactions develop after ultrafast excitation of an electron-hole plasma. <i>Nature</i> , <b>2001</b> , 414, 286-9	50.4	438
244	Active magneto-plasmonics in hybrid metal/ferromagnet structures. <i>Nature Photonics</i> , <b>2010</b> , 4, 107-111	33.9	384
243	Sub-cycle switch-on of ultrastrong light-matter interaction. <i>Nature</i> , <b>2009</b> , 458, 178-81	50.4	384
242	Coherent structural dynamics and electronic correlations during an ultrafast insulator-to-metal phase transition in VO <sub>2</sub> . <i>Physical Review Letters</i> , <b>2007</b> , 99, 116401	7.4	319
241	Generation and field-resolved detection of femtosecond electromagnetic pulses tunable up to 41 THz. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 3191-3193	3.4	308
240	Phase-locked generation and field-resolved detection of widely tunable terahertz pulses with amplitudes exceeding 100 MV/cm. <i>Optics Letters</i> , <b>2008</b> , 33, 2767-9	3	301
239	Detectors and sources for ultrabroadband electro-optic sampling: Experiment and theory. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 1516-1518	3.4	295
238	Synthesis of a single cycle of light with compact erbium-doped fibre technology. <i>Nature Photonics</i> , <b>2010</b> , 4, 33-36	33.9	203
237	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
236	Ultrabroadband detection of multi-terahertz field transients with GaSe electro-optic sensors: Approaching the near infrared. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 3360-3362	3.4	158
235	Nanomechanical control of an optical antenna. <i>Nature Photonics</i> , <b>2008</b> , 2, 230-233	33.9	148
234	Femtosecond Charge Transport in Polar Semiconductors. <i>Physical Review Letters</i> , <b>1999</b> , 82, 5140-5143	7.4	145
233	Tailoring spatiotemporal light confinement in single plasmonic nanoantennas. <i>Nano Letters</i> , <b>2012</b> , 12, 992-6	11.5	139
232	Ultrafast insulator-metal phase transition in VO <sub>2</sub> studied by multiterahertz spectroscopy. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	139
231	Mid-infrared difference-frequency generation of ultrashort pulses tunable between 3.2 and 4.8 microm from a compact fiber source. <i>Optics Letters</i> , <b>2007</b> , 32, 1138-40	3	136

230	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. <i>Nature Materials</i> , <b>2012</b> , 11, 497-501	27	134
229	Amplified femtosecond pulses from an Er: fiber system: Nonlinear pulse shortening and selfreferencing detection of the carrier-envelope phase evolution. <i>Optics Express</i> , <b>2003</b> , 11, 594-600	3-3	134
228	Single-cycle multiterahertz transients with peak fields above 10 MV/cm. <i>Optics Letters</i> , <b>2010</b> , 35, 2645-7	3	115
227	Sub-cycle optical phase control of nanotunnelling in the single-electron regime. <i>Nature Photonics</i> , <b>2016</b> , 10, 667-670	33-9	114
226	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
225	Quantum Kinetic Electron-Phonon Interaction in GaAs: Energy Nonconserving Scattering Events and Memory Effects. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3733-3736	7-4	112
224	Direct sampling of electric-field vacuum fluctuations. <i>Science</i> , <b>2015</b> , 350, 420-3	33-3	107
223	Femtosecond high-field transport in compound semiconductors. <i>Physical Review B</i> , <b>2000</b> , 61, 16642-16652	33	107
222	Femtosecond carrier dynamics in GaAs far from equilibrium. <i>Physical Review Letters</i> , <b>1996</b> , 76, 1545-1548	7-4	96
221	Phase-locked two-branch erbium-doped fiber laser system for long-term precision measurements of optical frequencies. <i>Optics Express</i> , <b>2004</b> , 12, 5872-80	3-3	92
220	Compact coherent anti-Stokes Raman scattering microscope based on a picosecond two-color Er: fiber laser system. <i>Optics Letters</i> , <b>2009</b> , 34, 2847-9	3	90
219	Femtosecond response of quasiparticles and phonons in superconducting YBa(2)Cu(3)O(7- $\delta$ ) studied by wideband terahertz spectroscopy. <i>Physical Review Letters</i> , <b>2010</b> , 105, 067001	7-4	86
218	Widely tunable two-color mode-locked Ti:sapphire laser with pulse jitter of less than 2 fs. <i>Optics Letters</i> , <b>1995</b> , 20, 916-8	3	86
217	Ultrabroadband Er: fiber lasers. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, 409-428	8-3	81
216	Ultrabroadband background-free coherent anti-Stokes Raman scattering microscopy based on a compact Er: fiber laser system. <i>Optics Letters</i> , <b>2010</b> , 35, 3282-4	3	79
215	Long term comparison of two fiber based frequency comb systems. <i>Optics Express</i> , <b>2005</b> , 13, 904-9	3-3	79
214	8-fs pulses from a compact Er: fiber system: quantitative modeling and experimental implementation. <i>Optics Express</i> , <b>2009</b> , 17, 1070-7	3-3	75
213	Terahertz coherent control of optically dark paraexcitons in Cu <sub>2</sub> O. <i>Physical Review Letters</i> , <b>2008</b> , 101, 246401	7-4	75

212	Femtosecond formation of coupled phonon-plasmon modes in InP: Ultrabroadband THz experiment and quantum kinetic theory. <i>Physical Review Letters</i> , <b>2005</b> , 94, 027401	7.4	71
211	Widely tunable sub-30-fs pulses from a compact erbium-doped fiber source. <i>Optics Letters</i> , <b>2004</b> , 29, 516-8	3	70
210	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
209	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> , <b>2008</b> , 93, 251107	3.4	64
208	Coherent optical polarization of bulk GaAs studied by femtosecond photon-echo spectroscopy. <i>Physical Review Letters</i> , <b>1993</b> , 71, 77-80	7.4	64
207	Two-stage dynamic DNA quality check by xeroderma pigmentosum group C protein. <i>EMBO Journal</i> , <b>2009</b> , 28, 2387-99	13	63
206	Attosecond relative timing jitter and 13 fs tunable pulses from a two-branch Er: fiber laser. <i>Optics Letters</i> , <b>2007</b> , 32, 3504-6	3	63
205	Bow-tie nano-antenna assisted generation of extreme ultraviolet radiation. <i>New Journal of Physics</i> , <b>2013</b> , 15, 093027	2.9	57
204	Ultrafast coherent generation of hot electrons studied via band-to-acceptor luminescence in GaAs. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1687-1690	7.4	57
203	Pulse synthesis in the single-cycle regime from independent mode-locked lasers using attosecond-precision feedback. <i>Optics Letters</i> , <b>2012</b> , 37, 3579-81	3	56
202	Nonperturbative interband response of a bulk InSb semiconductor driven off resonantly by terahertz electromagnetic few-cycle pulses. <i>Physical Review Letters</i> , <b>2012</b> , 109, 147403	7.4	55
201	Ultrabroadband terahertz pulses: generation and field-resolved detection. <i>Semiconductor Science and Technology</i> , <b>2005</b> , 20, S128-S133	1.8	54
200	Femtosecond nonlinear ultrasonics in gold probed with ultrashort surface plasmons. <i>Nature Communications</i> , <b>2013</b> , 4, 1468	17.4	52
199	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>1996</b> , 2, 473-479	3.8	52
198	Subcycle quantum electrodynamics. <i>Nature</i> , <b>2017</b> , 541, 376-379	50.4	51
197	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
196	Colloidal quantum dots in all-dielectric high-Q pillar microcavities. <i>Nano Letters</i> , <b>2007</b> , 7, 2897-900	11.5	50
195	Multimilliwatt ultrashort pulses continuously tunable in the visible from a compact fiber source. <i>Optics Letters</i> , <b>2006</b> , 31, 1148-50	3	50

194	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
193	Poly(ADP-ribose)-mediated interplay of XPA and PARP1 leads to reciprocal regulation of protein function. <i>FEBS Journal</i> , <b>2014</b> , 281, 3625-41	5.7	48
192	Specific local induction of DNA strand breaks by infrared multi-photon absorption. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, e14	20.1	44
191	Tunneling breakdown of a strongly correlated insulating state in VO <sub>2</sub> induced by intense multiterahertz excitation. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	43
190	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
189	All-passive phase locking of a compact Er: fiber laser system. <i>Optics Letters</i> , <b>2011</b> , 36, 540-2	3	42
188	Sub-femtosecond electron transport in a nanoscale gap. <i>Nature Physics</i> , <b>2020</b> , 16, 341-345	16.2	42
187	Optical Activation of Germanium Plasmonic Antennas in the Mid-Infrared. <i>Physical Review Letters</i> , <b>2016</b> , 117, 047401	7.4	40
186	Nonlinear photoluminescence spectrum of single gold nanostructures. <i>ACS Nano</i> , <b>2015</b> , 9, 894-900	16.7	40
185	Ultrafast pseudospin dynamics in graphene. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	38
184	Femtosecond coherent seeding of a broadband Tm: fiber amplifier by an Er: fiber system. <i>Optics Letters</i> , <b>2012</b> , 37, 554-6	3	37
183	Tapered diode-pumped continuous-wave alexandrite laser. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2013</b> , 30, 3184	1.7	35
182	Photo-Dember terahertz emitter excited with an Er: fiber laser. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 021114	3.4	35
181	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> , <b>2003</b> , 28, 2118-20	3	35
180	Paraxial Theory of Direct Electro-optic Sampling of the Quantum Vacuum. <i>Physical Review Letters</i> , <b>2015</b> , 115, 263601	7.4	34
179	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
178	Ultrafast electron-phonon scattering in semiconductors studied by nondegenerate four-wave mixing. <i>Physical Review B</i> , <b>1999</b> , 60, R11265-R11268	3.3	34
177	Polyfluorene Nanoparticles and Quantum Dot Hybrids via Miniemulsion Polymerization. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 1343-1346	6.6	33

176	Spatiotemporal focusing of single-cycle light pulses. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>1999</b> , 16, 2025	1.8	33
175	Excitonic and free-carrier polarizations of bulk GaAs studied by femtosecond coherent spectroscopy. <i>Physical Review B</i> , <b>1994</b> , 49, 16372-16380	3.3	33
174	Highly efficient second, third and fourth harmonic generation from a two-branch femtosecond erbium fiber source. <i>Optics Express</i> , <b>2006</b> , 14, 1905-12	3.3	32
173	Nonadiabatic switching of a photonic band structure: Ultrastrong light-matter coupling and slow-down of light. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	31
172	Subthreshold carrier-LO phonon dynamics in semiconductors with intermediate polaron coupling: a purely quantum kinetic relaxation channel. <i>Physical Review Letters</i> , <b>2001</b> , 86, 4684-7	7.4	31
171	Femtosecond Cr:LiSAF and Cr:LiCAF lasers pumped by tapered diode lasers. <i>Optics Express</i> , <b>2011</b> , 19, 20444-61	3.3	29
170	Highlighting the DNA damage response with ultrashort laser pulses in the near infrared and kinetic modeling. <i>Frontiers in Genetics</i> , <b>2013</b> , 4, 135	4.5	28
169	Highly versatile confocal microscopy system based on a tunable femtosecond Er: fiber source. <i>Journal of Biophotonics</i> , <b>2008</b> , 1, 53-61	3.1	28
168	Femtosecond surface plasmon interferometry. <i>Optics Express</i> , <b>2009</b> , 17, 8423-32	3.3	27
167	Free-running performance and full control of a passively phase-stable Er: fiber frequency comb. <i>Optica</i> , <b>2015</b> , 2, 917	8.6	25
166	Ultraviolet photoluminescence of ZnO quantum dots sputtered at room-temperature. <i>Optics Express</i> , <b>2011</b> , 19, 1641-7	3.3	25
165	Encapsulating of single quantum dots into polymer particles. <i>Colloid and Polymer Science</i> , <b>2008</b> , 286, 1329-1334	2.4	25
164	Ultrafast Rabi Oscillations of Free-Carrier Transitions in InP. <i>Physica Status Solidi (B): Basic Research</i> , <b>1997</b> , 204, 20-22	1.3	24
163	Temporal solitons in free-space femtosecond enhancement cavities. <i>Nature Photonics</i> , <b>2019</b> , 13, 214-218	3.9	23
162	Sub-cycle slicing of phase-locked and intense mid-infrared transients. <i>New Journal of Physics</i> , <b>2014</b> , 16, 063033	2.9	23
161	Diamond nanophotonics. <i>Beilstein Journal of Nanotechnology</i> , <b>2012</b> , 3, 895-908	3	23
160	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
159	All-optical phase locking of two femtosecond Ti:sapphire lasers: a passive coupling mechanism beyond the slowly varying amplitude approximation. <i>Optics Letters</i> , <b>2004</b> , 29, 629-31	3	23

158	Plasmonic mid-infrared third harmonic generation in germanium nanoantennas. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 106	16.7	23
157	Artifact free time resolved near-field spectroscopy. <i>Optics Express</i> , <b>2017</b> , 25, 28589	3.3	22
156	Broadly tunable ultrafast pump-probe system operating at multi-kHz repetition rate. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 014005	1.7	22
155	Multicolor lasers using birefringent filters: experimental demonstration with Cr:Nd:GSGG and Cr:LiSAF. <i>Optics Express</i> , <b>2017</b> , 25, 2594-2607	3.3	21
154	Compact and efficient Cr:LiSAF lasers pumped by one single-spatial-mode diode: a minimal cost approach. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2012</b> , 29, 1894	1.7	21
153	High-power frequency comb at 2 $\mu$ m wavelength emitted by a Tm-doped fiber laser system. <i>Optics Letters</i> , <b>2018</b> , 43, 5178-5181	3	21
152	Signatures of transient Wannier-Stark localization in bulk gallium arsenide. <i>Nature Communications</i> , <b>2018</b> , 9, 2890	17.4	20
151	Focus on nonlinear terahertz studies. <i>New Journal of Physics</i> , <b>2014</b> , 16, 045016	2.9	20
150	Observation of memory effects in electron-phonon quantum kinetics. <i>Journal of Luminescence</i> , <b>1998</b> , 76-77, 34-37	3.8	20
149	Ultrafast transport of electrons in GaAs: Direct observation of quasiballistic motion and side valley transfer. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	20
148	A Direct Approach to Organic/Inorganic Semiconductor Hybrid Particles via Functionalized Polyfluorene Ligands. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2714-2719	15.6	19
147	615 fs pulses with 17 mJ energy generated by an Yb:thin-disk amplifier at 3 kHz repetition rate. <i>Optics Letters</i> , <b>2016</b> , 41, 246-9	3	18
146	Efficient Emission Enhancement of Single CdSe/CdS/PMMA Quantum Dots through Controlled Near-Field Coupling to Plasmonic Bullseye Resonators. <i>Nano Letters</i> , <b>2018</b> , 18, 5396-5400	11.5	18
145	Colloidal ZnO quantum dots in ultraviolet pillar microcavities. <i>Optics Express</i> , <b>2008</b> , 16, 9791-4	3.3	18
144	Up to 70 THz bandwidth from an implanted Ge photoconductive antenna excited by a femtosecond Er:fibre laser. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 30	16.7	17
143	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
142	Ultrastable fiber amplifier delivering 145-fs pulses with 6-J energy at 10-MHz repetition rate. <i>Optics Letters</i> , <b>2015</b> , 40, 823-6	3	16
141	Nano-antenna-assisted harmonic generation. <i>Applied Physics B: Lasers and Optics</i> , <b>2013</b> , 113, 75-79	1.9	16



140	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
139	Red-diode-pumped Cr:Nd:GSGG laser: two-color mode-locked operation. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, 1023	1.7	16
138	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2013</b> , 19, 8401608-8401608	3.8	15
137	Coherent optical generation of nonequilibrium electrons studied via band-to-acceptor luminescence in GaAs. <i>Physical Review B</i> , <b>1996</b> , 53, 9876-9885	3.3	15
136	Noncollinear parametric amplification in the near-infrared based on type-II phase matching. <i>Journal of Optics (United Kingdom)</i> , <b>2015</b> , 17, 094003	1.7	14
135	Ultrafast optical spectroscopy of large-momentum excitons in GaAs. <i>Physical Review Letters</i> , <b>2000</b> , 84, 5812-5	7.4	14
134	Femtosecond measurements of electric fields: from classical amplitudes to quantum fluctuations. <i>European Journal of Physics</i> , <b>2017</b> , 38, 024003	0.8	13
133	Stable single-photon emission by quantum dot/polymer hybrid particles. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 1145-50	4.8	13
132	Femtosecond buildup of Coulomb screening in a photoexcited electron-hole plasma. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 314, 248-254	2.8	13
131	Gain-Matched Output Couplers for Efficient Kerr-Lens Mode-Locking of Low-Cost and High-Peak Power Cr:LiSAF Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2015</b> , 21, 94-105	3.8	12
130	Coupling of Excitons and Discrete Acoustic Phonons in Vibrationally Isolated Quantum Emitters. <i>Nano Letters</i> , <b>2016</b> , 16, 5861-5	11.5	12
129	Coherent field transients below 15 THz from phase-matched difference frequency generation in 4H-SiC. <i>Optics Letters</i> , <b>2017</b> , 42, 2687-2690	3	12
128	Charge and spin control of ultrafast electron and hole dynamics in single CdSe/ZnSe quantum dots. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	11
127	Ultrabroadband out-of-loop characterization of the carrier-envelope phase noise of an offset-free Er:fiber frequency comb. <i>Optics Letters</i> , <b>2017</b> , 42, 2050-2053	3	11
126	Simultaneous second-harmonic generation, third-harmonic generation, and four-wave mixing microscopy with single sub-8 fs laser pulses. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 181124	3.4	11
125	Stimulated Raman scattering microscopy by Nyquist modulation of a two-branch ultrafast fiber source. <i>Optics Letters</i> , <b>2016</b> , 41, 3731-4	3	11
124	Determination of the electric field and its Hilbert transform in femtosecond electro-optic sampling. <i>Physical Review A</i> , <b>2020</b> , 101,	2.6	10
123	CdSe/CdS Conjugated Polymer Core-Shell Hybrid Nanoparticles by a Grafting-From Approach. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 786-789	6.6	10



122	Control of excitonic absorption by thickness variation in few-layer GaSe. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	10
121	Nano-antennae assisted emission of extreme ultraviolet radiation. <i>Annalen Der Physik</i> , <b>2014</b> , 526, 119-1346		10
120	Assignment of the NV0 575-nm zero-phonon line in diamond to a 2E-2A2 transition. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	10
119	Ultrafast high-field transport in semiconductors. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 272, 348-352	2.8	10
118	Dynamics of electron-emission currents in plasmonic gaps induced by strong fields. <i>Faraday Discussions</i> , <b>2019</b> , 214, 147-157	3.6	9
117	Boxcar detection for high-frequency modulation in stimulated Raman scattering microscopy. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 161101	3.4	9
116	Subcycle squeezing of light from a time flow perspective. <i>Nature Physics</i> , <b>2019</b> , 15, 960-966	16.2	9
115	Physics. Particle physics in a superconductor. <i>Science</i> , <b>2014</b> , 345, 1121-2	33.3	9
114	Amplitude and Phase Resolved Detection of Tunable Femtosecond Pulses with Frequency Components beyond 100 THz. <i>Springer Series in Chemical Physics</i> , <b>2001</b> , 215-217	0.3	9
113	Spectra of Ultrabroadband Squeezed Pulses and the Finite-Time Unruh-Davies Effect. <i>Physical Review Letters</i> , <b>2019</b> , 122, 053604	7.4	8
112	Diode-pumped continuous-wave and femtosecond Cr:LiCAF lasers with high average power in the near infrared, visible and near ultraviolet. <i>Optics Express</i> , <b>2015</b> , 23, 8901-9	3.3	8
111	Terahertz shockwaves generated by a precise subcycle cut of the electric field. <i>Optica</i> , <b>2018</b> , 5, 821	8.6	8
110	Dispersion of the nonlinear susceptibility in gold nanoantennas. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	8
109	Dissection of the xeroderma pigmentosum group C protein function by site-directed mutagenesis. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 14, 2479-90	8.4	8
108	Mid-infrared optical parametric amplifier based on a LGSe crystal and pumped at 1.6 $\mu$ m. <i>Optics Express</i> , <b>2012</b> , 20, 27456-64	3.3	8
107	Transient high-field transport and electro-optical properties of Al <sub>x</sub> Ga <sub>1-x</sub> As-grading-structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 13, 708-710	3	8
106	Nonlinear optical response of highly energetic excitons in GaAs: Microscopic electrodynamics at semiconductor interfaces. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	8
105	Few-cycle, carrier-envelope-phase-stable laser pulses from a compact supercontinuum source. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2019</b> , 36, A93	1.7	8

104	Parametric Amplification of Phase-Locked Few-Cycle Pulses and Ultraviolet Harmonics Generation in Solids at High Repetition Rate. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1700062	8.3	7
103	Active control of ultrafast electron dynamics in plasmonic gaps using an applied bias. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	7
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