

Franz X Kärtner

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-50â€‰fs pulses at 2050â€‰nm from a picosecond Ho:YLF laser using a two-stage Kagome-fiber-based compressor. Photonics Research, 2022, 10, 637.	3.4	7
2	Cavity-dumped nanosecond Cr:LiSAF laser in the 985â€‰–1030â€‰nm region for versatile seeding of Yb-based amplifiers. Applied Physics B: Lasers and Optics, 2022, 128, 1.	1.1	5
3	Semiconductor saturable absorber mirror mode-locked Yb:YLF laser with pulses of 40 fs. Optics Letters, 2022, 47, 933.	1.7	9
4	Nonlinear Mach-Zehnder interferometer isolator. Optics Express, 2022, 30, 5973.	1.7	5
5	Recent progress in cryogenic Yb:YLF laser technology. , 2022, , .		1
6	Broadly tunable (993â€‰–1110â€‰nm) Yb:YLF laser. Applied Optics, 2022, 61, 3702.	0.9	5
7	Parameter sensitivities in tilted-pulse-front based terahertz setups and their implications for high-energy terahertz source design and optimization. Optics Express, 2022, 30, 24186.	1.7	8
8	Efficient cryogenic Yb:YLF regenerative amplifier beyond 250W average power: pros and cons of different optical axes. , 2022, , .		0
9	Detailed investigation of absorption, emission and gain in Yb:YLF in the 78â€‰–300â€‰K range. Optical Materials Express, 2021, 11, 250.	1.6	21
10	Compact THz Photogun Transversely Pumped By Twin Single-Cycle Pulses. , 2021, , .		0
11	Quantum diffusion of microcavity solitons. Nature Physics, 2021, 17, 462-466.	6.5	30
12	Ultrafast electron diffractometer with Terahertz-driven pulse compression. , 2021, , .		0
13	Bulk, cascaded pulse compression scheme and its application to spin emitter characterization. Applied Optics, 2021, 60, 912.	0.9	2
14	Temperature and doping dependence of fluorescence lifetime in Yb:YLF (role of impurities). Optical Materials, 2021, 112, 110792.	1.7	11
15	â€‰-level multi-cycle terahertz generation in a periodically poled Rb:KTP crystal. Optics Letters, 2021, 46, 741.	1.7	9
16	Supercontinuum generation in silicon Bragg grating waveguide. Applied Physics Letters, 2021, 118, 071106.	1.5	7
17	Intrinsic amplitude-noise suppression in fiber lasers mode-locked with nonlinear amplifying loop mirrors. Optics Letters, 2021, 46, 1752.	1.7	23
18	Bandwidth extension and conversion efficiency improvements beyond phase matching limitations using cavity-enhanced OPCPA. Optics Express, 2021, 29, 9907.	1.7	3

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19	Comparative investigation of lasing and amplification performance in cryogenic Yb:YLF systems. Applied Physics B: Lasers and Optics, 2021, 127, 1.	1.1	10
20	High power (>500W) cryogenically cooled Yb:YLF cw-oscillator operating at 995â€…nm and 1019â€…nm using E/c axis for lasing. Optics Express, 2021, 29, 11674.	1.7	12
21	On-chip sampling of optical fields with attosecond resolution. Nature Photonics, 2021, 15, 456-460.	15.6	60
22	Amplification of 108ÂGHz repetition rate femtosecond laser pulses to 97ÂW average power by a fiber amplifier. OSA Continuum, 2021, 4, 1571.	1.8	7
23	Optically clocked switched-emitter-follower THA in a photonic SiGe BiCMOS technology. Optics Express, 2021, 29, 16312.	1.7	2
24	Efficient diode-pumped cryogenic Yb:YLF laser with 500 W cw output power from a single rod. , 2021, , .		0
25	Cryogenic Yb:YLF lasers mode-locked with saturable Bragg reflectors. , 2021, , .		1
26	Ultrafast electron diffraction powered with a Terahertz-driven pulse compressor. , 2021, , .		0
27	Error analysis of contactless optical temperature probing methods for cryogenic Yb:YAG. Applied Physics B: Lasers and Optics, 2021, 127, 1.	1.1	3
28	Nonlinear fiber system for shot-noise limited intensity noise suppression and amplification. Optics Letters, 2021, 46, 3344.	1.7	8
29	Full 3D+1 modeling of tilted-pulse-front setups for single-cycle terahertz generation: reply. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2590.	0.9	0
30	Highly efficient cryogenic Yb:YLF regenerative amplifier with 250â€‰W average power. Optics Letters, 2021, 46, 3865.	1.7	16
31	THz-Enhanced DC Ultrafast Electron Diffractometer. Ultrafast Science, 2021, 2021, .	5.8	15
32	Mode-locked Cr:LiSAF laser far off the gain peak: tunable sub-200-fs pulses near 1â€‰Âµm. Applied Optics, 2021, 60, 9054.	0.9	6
33	PHz Electronic Device Design for Waveguide-Integrated Carrier-Envelope Phase Detection. , 2021, , .		0
34	Design and sensitivity analysis of a single sided pumped THz booster. , 2021, , .		0
35	Interferometric spectral-shaping for multicycle THz generation using the Chirp & Delay technique. , 2021, , .		0
36	Attosecond-precision balanced linear-optics timing detector. Optics Express, 2021, 29, 38140.	1.7	5

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37	Optically Enabled ADCs and Application to Optical Communications. IEEE Open Journal of the Solid-State Circuits Society, 2021, 1, 209-221.	2.0	8
38	Strong-field coherent control of isolated attosecond pulse generation. Nature Communications, 2021, 12, 6641.	5.8	24
39	All-polarization-maintaining divided pulse fiber oscillator mode-locked with the optical Kerr effect. Optics Letters, 2021, 46, 6083.	1.7	11
40	Light phase detection with on-chip petahertz electronic networks. Nature Communications, 2020, 11, 3407.	5.8	37
41	Sub-cycle millijoule-level parametric waveform synthesizer for attosecond science. Nature Photonics, 2020, 14, 629-635.	15.6	73
42	Raman Shifting Induced by Cascaded Quadratic Nonlinearities for Terahertz Generation. Laser and Photonics Reviews, 2020, 14, 2000109.	4.4	15
43	Silicon Photonics Optical Frequency Synthesizer. Laser and Photonics Reviews, 2020, 14, 1900449.	4.4	17
44	Cascaded Multicycle Terahertz-Driven Ultrafast Electron Acceleration and Manipulation. Physical Review X, 2020, 10, .	2.8	32
45	Novel method for the angular chirp compensation of passively CEP-stable few-cycle pulses. Optics Express, 2020, 28, 3171.	1.7	3
46	Full 3D modeling of tilted-pulse-front setups for single-cycle terahertz generation. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1000.	0.9	13
47	Power and energy scaling of rod-type cryogenic Yb:YLF regenerative amplifiers. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1865.	0.9	11
48	Towards high power longwave mid-IR frequency combs: power scalability of high repetition-rate difference-frequency generation. Optics Express, 2020, 28, 1369.	1.7	15
49	20-mJ, sub-ps pulses at up to 70 W average power from a cryogenic Yb:YLF regenerative amplifier. Optics Express, 2020, 28, 2466.	1.7	20
50	Towards CW modelocked laser on chip – a large mode area and NLI for stretched pulse mode locking. Optics Express, 2020, 28, 22562.	1.7	15
51	High-power passively mode-locked cryogenic Yb:YLF laser. Optics Letters, 2020, 45, 2050.	1.7	20
52	Femtosecond two-color source synchronized at 100-as-precision based on SPM-enabled spectral selection. Optics Letters, 2020, 45, 3410.	1.7	8
53	Comparison of different in situ optical temperature probing techniques for cryogenic Yb:YLF. Optical Materials Express, 2020, 10, 3403.	1.6	11
54	High-power pre-chirp managed amplification of circularly polarized pulses using high-dispersion chirped mirrors as a compressor. OSA Continuum, 2020, 3, 1988.	1.8	11

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55	Eight-pass Yb:YLF cryogenic amplifier generating 305-mJ pulses. <i>OSA Continuum</i> , 2020, 3, 2722.	1.8	11
56	Nonlinear silicon photonics on CMOS-compatible tellurium oxide. <i>Photonics Research</i> , 2020, 8, 1904.	3.4	8
57	Terahertz Driven Electron and X-ray Sources. , 2020, , .		0
58	Terahertz accelerator based electron and x-ray sources. <i>Terahertz Science & Technology</i> , 2020, 13, 22-31.	0.5	2
59	Towards Integrated Attosecond Time-Domain Spectroscopy. , 2020, , .		0
60	Multi-cycle terahertz driven ultrafast electron manipulation in dielectrically-lined waveguides. , 2020, , .		0
61	70 W Yb:YLF Cryogenically-Cooled Regenerative Amplifier. , 2020, , .		0
62	Integrated Attosecond Time-Domain Spectroscopy. , 2020, , .		0
63	Efficient multi-cycle terahertz generation via difference frequency generation of a multiple-lines source. , 2020, , .		0
64	Multi-cycle terahertz generation in a periodically poled Rb:KTP crystal. , 2020, , .		0
65	Alexandrite: an attractive thin-disk laser material alternative to Yb:YAG?. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 459.	0.9	7
66	Waveform Reproducibility from an OPA-based Parallel Synthesizer. , 2020, , .		1
67	High power cryogenic Yb:YLF regenerative amplifier. , 2020, , .		0
68	Multi-cycle THz driven electron acceleration and THz-energy recycling. , 2020, , .		1
69	Efficient multi-cycle terahertz generation based on a multi-lines source. , 2020, , .		0
70	Powering a Photogun using Single-Cycle Terahertz. , 2020, , .		0
71	Terahertz Driven Ultrafast Electron Sources. , 2020, , .		0
72	THz photogun transversely pumped by twin single-cycle pulses. , 2020, , .		1

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73	Vanishing carrier-envelope-phase-sensitive response in optical-field photoemission from plasmonic nanoantennas. <i>Nature Physics</i> , 2019, 15, 1128-1133.	6.5	27
74	Full 3D+1 calculations of terahertz generation in the tilted-pulse-front scheme. , 2019, , .		0
75	Spectral phase control of interfering chirped pulses for high-energy narrowband terahertz generation. <i>Nature Communications</i> , 2019, 10, 2591.	5.8	96
76	Multimodal imaging platform for optical virtual skin biopsy enabled by a fiber-based two-color ultrafast laser source. <i>Biomedical Optics Express</i> , 2019, 10, 514.	1.5	22
77	Segmented Terahertz device for ultrashort electron acceleration, compression, focusing and streaking. <i>EPJ Web of Conferences</i> , 2019, 205, 01013.	0.1	0
78	Energy spread and emittance control in segmented high field Terahertz driven electron accelerators. , 2019, , .		0
79	Optical frequency synthesizer with an integrated erbium tunable laser. <i>Light: Science and Applications</i> , 2019, 8, 122.	7.7	25
80	Electro-Optic Sampling of Terahertz Pulses in Multilayer Crystals. , 2019, , .		2
81	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> , 2019, 36, A93.	0.9	13
82	Integrated CMOS-compatible Q-switched mode-locked lasers at 1900nm with an on-chip artificial saturable absorber. <i>Optics Express</i> , 2019, 27, 3542.	1.7	41
83	Simultaneous generation and compression of broadband terahertz pulses in aperiodically poled crystals. <i>Optics Express</i> , 2019, 27, 6580.	1.7	7
84	Frequency-comb-based laser system producing stable optical beat pulses with picosecond durations suitable for high-precision multi-cycle terahertz-wave generation and rapid detection. <i>Optics Express</i> , 2019, 27, 11037.	1.7	13
85	Timing jitter reduction through relative intensity noise suppression in high-repetition-rate mode-locked fiber lasers. <i>Optics Express</i> , 2019, 27, 11273.	1.7	18
86	Terahertz-induced cascaded interactions between spectra offset by large frequencies. <i>Optics Express</i> , 2019, 27, 19254.	1.7	4
87	Analysis of terahertz generation by beamlet superposition. <i>Optics Express</i> , 2019, 27, 26547.	1.7	3
88	Supercontinuum generation in varying dispersion and birefringent silicon waveguide. <i>Optics Express</i> , 2019, 27, 31698.	1.7	50
89	Efficient, diode-pumped, high-power (>300W) cryogenic Yb:YLF laser with broad-tunability (995-10205) Tj ETQq1 1 0.784314 rgBT 19	1.7	19
90	Femtosecond phase control in high-field terahertz-driven ultrafast electron sources. <i>Optica</i> , 2019, 6, 872.	4.8	48

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91	190-mJ cryogenically-cooled Yb:YLF amplifier system at 10197-nm. OSA Continuum, 2019, 2, 3547.	1.8	13
92	Terahertz Acceleration. , 2019, , .		0
93	Terahertz generation and acceleration. , 2019, , .		1
94	Fiber-amplifier-pumped, 1-MHz, 1- μ J, 21- μ m, femtosecond OPA with chirped-pulse DFG front-end. Optics Express, 2019, 27, 9144.	1.7	5
95	Temperature dependence of Alexandrite effective emission cross section and small signal gain over the 25-450 \AA C range. Optical Materials Express, 2019, 9, 3352.	1.6	10
96	On the effect of third-order dispersion on phase-matched terahertz generation via interfering chirped pulses. Optics Express, 2019, 27, 34769.	1.7	4
97	MITHRA 1.0: A full-wave simulation tool for free electron lasers. Computer Physics Communications, 2018, 228, 192-208.	3.0	4
98	Octave-spanning coherent supercontinuum generation in silicon on insulator from 1.06- μ m to beyond 2.4- μ m. Light: Science and Applications, 2018, 7, 17131-17131.	7.7	108
99	Laser system design for table-top X-ray light source. High Power Laser Science and Engineering, 2018, 6, .	2.0	16
100	Segmented terahertz electron accelerator and manipulator (STEAM). Nature Photonics, 2018, 12, 336-342.	15.6	236
101	Deep Tissue Multiphoton Microscopy Based on Advanced Femtosecond Fiber Sources. , 2018, , .		0
102	Megawatt peak power tunable femtosecond source based on self-phase modulation enabled spectral selection. Optics Express, 2018, 26, 3684.	1.7	60
103	Pre-chirp managed, core-pumped nonlinear PM fiber amplifier delivering sub-100-fs and high energy (10) Tj ETQq1 1 0.784314 rgBT /C	1.7	10
104	Cascaded interactions mediated by terahertz radiation. Optics Express, 2018, 26, 12536.	1.7	17
105	CEP dependence of signal and idler upon pump-seed synchronization in optical parametric amplifiers. Optics Letters, 2018, 43, 178.	1.7	10
106	Energy scalable, offset-free ultrafast mid-infrared source harnessing self-phase-modulation-enabled spectral selection. Optics Letters, 2018, 43, 2953.	1.7	20
107	87-W 1018-nm Yb-fiber ultrafast seeding source for cryogenic Yb: yttrium lithium fluoride amplifier. Optics Letters, 2018, 43, 1686.	1.7	18
108	Tunable, Ultrafast Fiber-Laser between 1.15 μ m and 1.35 μ m for Harmonic Generation Microscopy in Human Skin. IEEE Journal of Selected Topics in Quantum Electronics, 2018, , 1-1.	1.9	2

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109	Synchronous multi-color laser network with daily sub-femtosecond timing drift. Scientific Reports, 2018, 8, 11948.	1.6	8
110	Integrated rare-Earth doped mode-locked lasers on a CMOS platform. , 2018, , .		5
111	Robust 700 MHz mode-locked Yb: fiber laser with a biased nonlinear amplifying loop mirror. Optics Express, 2018, 26, 26003.	1.7	52
112	Ultra-precise timing and synchronization for large-scale scientific instruments. Optica, 2018, 5, 1564.	4.8	46
113	Low-Drift Optoelectronic Oscillator Based on a Phase Modulator in a Sagnac Loop. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2617-2624.	2.9	31
114	Cascaded second-order processes for the efficient generation of narrowband terahertz radiation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 044002.	0.6	13
115	Attosecond precision multi-kilometer laser-microwave network. Light: Science and Applications, 2017, 6, e16187-e16187.	7.7	64
116	Tunable Low-Jitter Low-Drift Spurious-Free Transposed-Frequency Optoelectronic Oscillator. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2625-2635.	2.9	19
117	Generation and multi-octave shaping of mid-infrared intense single-cycle pulses. Nature Photonics, 2017, 11, 222-226.	15.6	97
118	Optical-field-controlled photoemission from plasmonic nanoparticles. Nature Physics, 2017, 13, 335-339.	6.5	129
119	Mapping Photoemission and Hot-Electron Emission from Plasmonic Nanoantennas. Nano Letters, 2017, 17, 6069-6076.	4.5	57
120	Laser-Induced Linear-Field Particle Acceleration in Free Space. Scientific Reports, 2017, 7, 11159.	1.6	39
121	High-energy mid-infrared sub-cycle pulse synthesis from a parametric amplifier. Nature Communications, 2017, 8, 141.	5.8	125
122	Thulium-doped distributed feedback and distributed Bragg reflector lasers on silicon chips. , 2017, , .		0
123	Breaking the Femtosecond Barrier in Multi-Kilometer Timing Synchronization Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 97-108.	1.9	12
124	High-energy mid-infrared sub-cycle pulse synthesis. , 2017, , .		0
125	Narrowband THz generation via chirp-and-delay in PPLN. , 2017, , .		0
126	Shot-to-shot and long-term CEP-stable front-end for a parallel optical waveform synthesizer. , 2017, , .		0

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127	THz linear acceleration for compact electron and X-ray sources. , 2017, , .		0
128	Ultra-low phase noise synchronization of microwave sources with fiber-optic timing system. , 2017, , .		0
129	Energetic ultrafast fiber laser sources tunable in 1030â€“1215 nm for deep tissue multi-photon microscopy. Optics Express, 2017, 25, 6822.	1.7	71
130	THz-driven electron streak camera based on a multilayer structure. , 2017, , .		0
131	Narrowband terahertz generation with chirped-and-delayed laser pulses in periodically poled lithium niobate. Optics Letters, 2017, 42, 2118.	1.7	55
132	THz cavities and injectors for compact electron acceleration using laser-driven THz sources. Physical Review Accelerators and Beams, 2017, 20, .	0.6	16
133	100-nm tunable femtosecond Cr:LiSAF laser mode locked with a broadband saturable Bragg reflector. Applied Optics, 2017, 56, 3812.	2.1	14
134	Self-phase modulation enabled, wavelength-tunable ultrafast fiber laser sources: an energy scalable approach. Optics Express, 2016, 24, 15328.	1.7	76
135	40-ÂµJ passively CEP-stable seed source for ytterbium-based high-energy optical waveform synthesizers. Optics Express, 2016, 24, 25169.	1.7	22
136	Pulse sequences for efficient multi-cycle terahertz generation in periodically poled lithium niobate. Optics Express, 2016, 24, 25582.	1.7	73
137	Terahertz-driven, all-optical electron gun. Optica, 2016, 3, 1209.	4.8	78
138	THz-induced Kerr effect in polar liquids. , 2016, , .		0
139	Water-window soft x-ray high-harmonic generation up to the nitrogen K-edge driven by a kHz, 2.1 <i>1/4</i> m OPCPA source. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 155601.	0.6	54
140	Demonstration of an ultracompact THz-driven electron gun. , 2016, , .		0
141	Highly efficient generation of strong-field 0.1-THz radiation. , 2016, , .		0
142	Laser driven THz accelerators. , 2016, , .		0
143	High power broadband terahertz pulse generation using chirped aperiodically poled structures. , 2016, , .		0
144	Cascaded parametric amplification for highly efficient terahertz generation. Optics Letters, 2016, 41, 3806.	1.7	48

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145	Kagome-fiber-based pulse compression of mid-infrared picosecond pulses from a Ho:YLF amplifier. <i>Optica</i> , 2016, 3, 816.	4.8	29
146	Terahertz driven linear accelerators and photon sources. , 2016, , .		1
147	Volkov transform generalized projection algorithm for attosecond pulse characterization. <i>New Journal of Physics</i> , 2016, 18, 073009.	1.2	55
148	Optical-to-microwave synchronization with sub-femtosecond daily drift. , 2016, , .		2
149	250â€™W average power, 100â€™kHz repetition rate cryogenic Yb:YAG amplifier for OPCPA pumping. <i>Optics Letters</i> , 2016, 41, 492.	1.7	34
150	Intracavity gain shaping in millijoule-level, high gain Ho:YLF regenerative amplifiers. <i>Optics Letters</i> , 2016, 41, 1114.	1.7	28
151	AXSIS: Exploring the frontiers in attosecond X-ray science, imaging and spectroscopy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 829, 24-29.	0.7	80
152	Direct longitudinal laser acceleration of electrons in free space. <i>Physical Review Accelerators and Beams</i> , 2016, 19, .	0.6	73
153	Short electron bunch generation using single-cycle ultrafast electron guns. <i>Physical Review Accelerators and Beams</i> , 2016, 19, .	0.6	58
154	Toward a terahertz-driven electron gun. <i>Scientific Reports</i> , 2015, 5, 14899.	1.6	40
155	Temperature dependent refractive index and absorption coefficient of congruent lithium niobate crystals in the terahertz range. <i>Optics Express</i> , 2015, 23, 29729.	1.7	69
156	High-energy optical waveform synthesis. , 2015, , .		0
157	Efficient narrowband terahertz generation in cryogenically cooled periodically poled lithium niobate. <i>Optics Letters</i> , 2015, 40, 5762.	1.7	56
158	Efficient generation of terahertz radiation at 800 nm wavelength. , 2015, , .		0
159	Coherent pulse synthesis: towards sub-cycle optical waveforms. <i>Laser and Photonics Reviews</i> , 2015, 9, 129-171.	4.4	179
160	Toward Waveform Nonlinear Optics Using Multimillijoule Sub-Cycle Waveform Synthesizers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 1-12.	1.9	61
161	Theory of terahertz generation by optical rectification using tilted-pulse-fronts. <i>Optics Express</i> , 2015, 23, 5253.	1.7	58
162	High-energy, kHz, picosecond hybrid Yb-doped chirped-pulse amplifier. <i>Optics Express</i> , 2015, 23, 10132.	1.7	31

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163	Cryogenic Yb:YAG composite-thin-disk for high energy and average power amplifiers. Optics Letters, 2015, 40, 2610.	1.7	57
164	Terahertz-driven linear electron acceleration. Nature Communications, 2015, 6, 8486.	5.8	461
165	Pre-chirp managed nonlinear amplification in fibers delivering 100â€‰W, 60â€‰fs pulses. Optics Letters, 2015, 40, 151.	1.7	79
166	Highly efficient terahertz pulse generation by optical rectification in stoichiometric and cryo-cooled congruent lithium niobate. Journal of Modern Optics, 2015, 62, 1486-1493.	0.6	60
167	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.	1.9	12
168	High-energy kHz Yb:KYW dual-crystal regenerative amplifier. Optics Express, 2014, 22, 24752.	1.7	42
169	One-femtosecond, long-term stable remote laser synchronization over a 35-km fiber link. Optics Express, 2014, 22, 14904.	1.7	40
170	Remote Laser-Microwave Synchronization Over Kilometer-Scale Fiber Link With Few-Femtosecond Drift. Journal of Lightwave Technology, 2014, 32, 3742-3748.	2.7	9
171	Pitch scaling of ultrafast, optically-triggered silicon field emitter arrays. , 2014, , .		0
172	Nanostructured Ultrafast Silicon-Tip Optical Field-Emitter Arrays. Nano Letters, 2014, 14, 5035-5043.	4.5	67
173	Long-term stable remote laser synchronization over a 3.5-km fiber link with one-femtosecond residual timing jitter. , 2014, , .		0
174	High conversion efficiency, high energy terahertz pulses by optical rectification in cryogenically cooled lithium niobate. Optics Letters, 2013, 38, 796.	1.7	245
175	Frequency comb based on a narrowband Yb-fiber oscillator: pre-chirp management for self-referenced carrier envelope offset frequency stabilization. Optics Express, 2013, 21, 4531.	1.7	18
176	Compact electron acceleration and bunch compression in THz waveguides. Optics Express, 2013, 21, 9792.	1.7	98
177	Long-term stable, sub-femtosecond timing distribution via a 12-km polarization-maintaining fiber link: approaching 10^{-21} link stability. Optics Express, 2013, 21, 19982.	1.7	34
178	Performance scaling of high-power picosecond cryogenically cooled rod-type Yb:YAG multipass amplification. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2798.	0.9	9
179	Strong-field photoemission from silicon field emitter arrays. Annalen Der Physik, 2013, 525, 144-150.	0.9	34
180	Recombination-amplitude calculations of noble gases, in both length and acceleration forms, beyond the strong-field approximation. Physical Review A, 2013, 88, .	1.0	10

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181	Towards a large-scale, optical timing distribution system with sub-femtosecond residual timing jitter. , 2013, , .		1
182	Broadband noncollinear optical parametric amplification without angularly dispersed idler. Optics Letters, 2012, 37, 2796.	1.7	34
183	Photonic ADC: overcoming the bottleneck of electronic jitter. Optics Express, 2012, 20, 4454.	1.7	447
184	Optimization of femtosecond Yb-doped fiber amplifiers for high-quality pulse compression. Optics Express, 2012, 20, 28672.	1.7	58
185	Attosecond photonics. , 2012, , .		0
186	High-order harmonic generation in Xe, Kr, and Ar driven by a 2.1- μm source: High-order harmonic spectroscopy under macroscopic effects. Physical Review A, 2012, 86, .	1.0	17
187	Optical flywheels with attosecond jitter. Nature Photonics, 2012, 6, 97-100.	15.6	139
188	Characterization of timing jitter in ultrafast fiber and Ti:S lasers. , 2011, , .		0
189	Electronic-photonic integrated circuits in silicon-on-insulator platforms. , 2011, , .		3
190	Accurate photonic analog-to-digital conversion. , 2011, , .		1
191	Femtosecond tuning of Cr:colquiriite lasers with AlGaAs-based saturable Bragg reflectors. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 986.	0.9	24
192	Femtosecond Cr:LiSAF and Cr:LiCAF lasers pumped by tapered diode lasers. Optics Express, 2011, 19, 20444.	1.7	37
193	Demonstration of a cavity-enhanced optical parametric chirped-pulse amplification system. Optics Letters, 2011, 36, 1206.	1.7	8
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