

# Ingmar Hartl

## List of Publications by Year in descending order

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220  
papers

7,879  
citations

66343

42  
h-index

49909

87  
g-index

227  
all docs

227  
docs citations

227  
times ranked

5421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-high-resolution optical coherence tomography using continuum generation in an air-silica microstructure optical fiber. Optics Letters, 2001, 26, 608.	3.3	865
2	Ultrafast fibre lasers. Nature Photonics, 2013, 7, 868-874.	31.4	844
3	Direct frequency comb spectroscopy in the extreme ultraviolet. Nature, 2012, 482, 68-71.	27.8	385
4	Ultrafast Fiber Laser Technology. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 191-206.	2.9	333
5	Photonic device fabrication in glass by use of nonlinear materials processing with a femtosecond laser oscillator. Optics Letters, 2001, 26, 1516.	3.3	323
6	A MHz-repetition-rate hard X-ray free-electron laser driven by a superconducting linear accelerator. Nature Photonics, 2020, 14, 391-397.	31.4	315
7	Phase-stabilized, 15 W frequency comb at 28-48 μm. Optics Letters, 2009, 34, 1330.	3.3	294
8	Octave-spanning ultrafast OPO with 26-61 μm instantaneous bandwidth pumped by femtosecond Tm-fiber laser. Optics Express, 2012, 20, 7046.	3.4	270
9	Optical frequency comb with submillihertz linewidth and more than 10 W average power. Nature Photonics, 2008, 2, 355-359.	31.4	233
10	Mid-infrared Fourier transform spectroscopy with a broadband frequency comb. Optics Express, 2010, 18, 21861.	3.4	230
11	Comparison of Ultra-high- and Standard-Resolution Optical Coherence Tomography for Imaging Macular Pathology. Ophthalmology, 2005, 112, 1922.e1-1922.e15.	5.2	196
12	Frequency metrology with a turnkey all-fiber system. Optics Letters, 2004, 29, 2467.	3.3	191
13	High energy femtosecond Yb cubicon fiber amplifier. Optics Express, 2005, 13, 4717.	3.4	143
14	High-resolution optical coherence microscopy for high-speed, in vivo cellular imaging. Optics Letters, 2003, 28, 2064.	3.3	140
15	80 W, 120 fs Yb-fiber frequency comb. Optics Letters, 2010, 35, 3015.	3.3	139
16	Ultra-high resolution real time OCT imaging using a compact femtosecond Nd:Glass laser and nonlinear fiber. Optics Express, 2003, 11, 3290.	3.4	134
17	Supercontinuum generation in quasi-phase-matched LiNbO <sub>3</sub> waveguide pumped by a Tm-doped fiber laser system. Optics Letters, 2011, 36, 3912.	3.3	122
18	Fiber-laser frequency combs with subhertz relative linewidths. Optics Letters, 2006, 31, 3046.	3.3	107

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19	Frequency comb stabilization with bandwidth beyond the limit of gain lifetime by an intracavity graphene electro-optic modulator. Optics Letters, 2012, 37, 3084.	3.3	103
20	Mid-infrared supercontinuum generation in As <sub>2</sub> S <sub>3</sub> -silica nanospike step-index waveguide. Optics Express, 2013, 21, 10969.	3.4	97
21	Postcompression of picosecond pulses into the few-cycle regime. Optics Letters, 2020, 45, 2572.	3.3	95
22	Generation of octave-spanning spectra inside reverse-proton-exchanged periodically poled lithium niobate waveguides. Optics Letters, 2007, 32, 2478.	3.3	93
23	Widely-tunable mid-infrared frequency comb source based on difference frequency generation. Optics Letters, 2012, 37, 2232.	3.3	91
24	Supercontinuum generation in quasi-phasematched waveguides. Optics Express, 2011, 19, 18754.	3.4	88
25	Ultrahigh resolution optical coherence tomography using a superluminescent light source. Optics Express, 2002, 10, 349.	3.4	84
26	Cavity-enhanced similariton Yb-fiber laser frequency comb: $3\text{Å} - 10^{14}\text{ W/cm}^2$ peak intensity at 136 MHz. Optics Letters, 2007, 32, 2870.	3.3	84
27	Ultrahigh-resolution optical coherence tomography in glaucoma. Ophthalmology, 2005, 112, 229-237.	5.2	80
28	Flexible all-PM NALM Yb: fiber laser design for frequency comb applications: operation regimes and their noise properties. Optics Express, 2020, 28, 18946.	3.4	73
29	Sub-100-fs passively mode-locked holmium-doped fiber oscillator operating at 206 $\mu\text{m}$ . Optics Letters, 2014, 39, 6859.	3.3	72
30	Widely tunable midinfrared difference frequency generation in orientation-patterned GaAs pumped with a femtosecond Tm-fiber system. Optics Letters, 2012, 37, 2928.	3.3	67
31	Ultrabroadband coherent supercontinuum frequency comb. Physical Review A, 2011, 84, .	2.5	64
32	Optical gating and streaking of free electrons with sub-optical cycle precision. Nature Communications, 2017, 8, 14342.	12.8	62
33	Multi-pass cells for post-compression of ultrashort laser pulses. Optica, 2022, 9, 197.	9.3	59
34	Midinfrared frequency combs from coherent supercontinuum in chalcogenide and optical parametric oscillation. Optics Letters, 2014, 39, 2056.	3.3	57
35	Integrated self-referenced frequency-comb laser based on a combination of fiber and waveguide technology. Optics Express, 2005, 13, 6490.	3.4	56
36	Full phase stabilization of a Yb: fiber femtosecond frequency comb via high-bandwidth transducers. Optics Letters, 2012, 37, 2196.	3.3	53

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37	Power optimization of XUV frequency combs for spectroscopy applications [Invited]. Optics Express, 2011, 19, 23483.	3.4	51
38	Elements of a dielectric laser accelerator. Optica, 2018, 5, 687.	9.3	50
39	Primary photosynthesis in reaction centers containing four different types of electron acceptors at site HA. Chemical Physics, 1995, 197, 297-305.	1.9	49
40	Coherent phase lock of a 9 $\mu$ m quantum cascade laser to a 2 $\mu$ m thulium optical frequency comb. Optics Letters, 2012, 37, 4083.	3.3	48
41	Fiber laser based hyperspectral sources. Laser Physics Letters, 2009, 6, 11-21.	1.4	47
42	Acceleration of sub-relativistic electrons with an evanescent optical wave at a planar interface. Optics Express, 2017, 25, 19195.	3.4	46
43	Chirped pulse amplification with a nonlinearly chirped fiber Bragg grating matched to the Treacy compressor. Optics Letters, 2004, 29, 679.	3.3	43
44	Tunable dual-comb from an all-polarization-maintaining single-cavity dual-color Yb: fiber laser. Optics Express, 2019, 27, 28062.	3.4	42
45	Carrier envelope offset frequency of a doubly resonant, nondegenerate, mid-infrared GaAs optical parametric oscillator. Optics Letters, 2013, 38, 1191.	3.3	41
46	Compact, All-PM Fiber Integrated and Alignment-Free Ultrafast Yb: Fiber NALM Laser With Sub-Femtosecond Timing Jitter. Journal of Lightwave Technology, 2021, 39, 4431-4438.	4.6	36
47	An optimized Er gain band all-fiber chirped pulse amplification system. Optics Express, 2004, 12, 6508.	3.4	35
48	High-speed path-length scanning with a multiple-pass cavity delay line. Applied Optics, 2003, 42, 640.	2.1	34
49	Overcoming bifurcation instability in high-repetition-rate Ho:YLF regenerative amplifiers. Optics Letters, 2015, 40, 5427.	3.3	34
50	Redistribution and Relaxation of Vibrational Excitation of CH-Stretching Modes in 1,1-Dichloroethylene and 1,1,1-Trichloroethane. Journal of Physical Chemistry A, 2000, 104, 4218-4222.	2.5	29
51	Kagome-fiber-based pulse compression of mid-infrared picosecond pulses from a Ho:YLF amplifier. Optica, 2016, 3, 816.	9.3	29
52	Intracavity gain shaping in millijoule-level, high gain Ho:YLF regenerative amplifiers. Optics Letters, 2016, 41, 1114.	3.3	28
53	Self referenced Yb-fiber-laser frequency comb using a dispersion micromanaged tapered holey fiber. Optics Express, 2007, 15, 12161.	3.4	27
54	Broadband phase noise suppression in a Yb-fiber frequency comb. Optics Letters, 2011, 36, 743.	3.3	27

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55	Ultra-compact dispersion compensated femtosecond fiber oscillators and amplifiers. , 2005, , .		25
56	SINBADâ€”The accelerator R&D facility under construction at DESY. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 233-236.	1.6	20
57	Ultrafast redistribution of vibrational excitation of CH-stretching modes probed via anti-Stokes Raman scattering. Applied Physics B: Lasers and Optics, 2000, 71, 397-403.	2.2	19
58	Numerical study of spectral shaping in high energy Ho:YLF amplifiers. Optics Express, 2016, 24, 9905.	3.4	18
59	Low noise, tunable Ho: fiber soliton oscillator for Ho:YLF amplifier seeding. Laser Physics Letters, 2016, 13, 065104.	1.4	17
60	60 fs, 1030â€”nm FEL pumpâ€”probe laser based on a multi-pass post-compressed Yb:YAG source. Journal of Synchrotron Radiation, 2021, 28, 36-43.	2.4	17
61	Suppression of the vacuum space-charge effect in fs-photoemission by a retarding electrostatic front lens. Review of Scientific Instruments, 2021, 92, 053703.	1.3	17
62	Long-term stable supercontinuum generation and watt-level transmission in liquid-core optical fibers. Optics Letters, 2019, 44, 2236.	3.3	17
63	Ultrafast MHzâ€”Rate Burstâ€”Mode Pumpâ€”Probe Laser for the FLASH FEL Facility Based on Nonlinear Compression of psâ€”Level Pulses from an Ybâ€”Amplifier Chain. Laser and Photonics Reviews, 2022, 16, .	8.7	17
64	Electron-beam manipulation techniques in the SINBAD Linac for external injection in plasma wake-field acceleration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 278-283.	1.6	14
65	Temporal pulse quality of a Yb:YAG burst-mode laser post-compressed in a multi-pass cell. Optics Letters, 2021, 46, 4686.	3.3	14
66	Compact Ho:YLF-pumped ZnGeP <sub>2</sub> -based optical parametric amplifiers tunable in the molecular fingerprint regime. Optics Letters, 2020, 45, 2255.	3.3	14
67	Factor 30 Pulse Compression by Hybrid Multipass Multiplate Spectral Broadening. Ultrafast Science, 2022, 2022, .	11.2	14
68	Intensity noise optimization of a mid-infrared frequency comb difference-frequency generation source. Optics Letters, 2020, 45, 1914.	3.3	13
69	A novel spectrometer system for the investigation of vibrational energy relaxation with sub-picosecond time resolution. Optics Communications, 1999, 160, 184-190.	2.1	12
70	Photolysis of Triiodide Studied by Femtosecond Pumpâ€”Probe Spectroscopy with Emission Detection. Journal of Physical Chemistry A, 2002, 106, 1647-1653.	2.5	12
71	Temporal quality of post-compressed pulses at large compression factors. Journal of the Optical Society of America B: Optical Physics, 0, , .	2.1	12
72	Optically Referenced Tm-Fiber-Laser Frequency Comb. , 2012, , .		10

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73	High-energy bow tie multi-pass cells for nonlinear spectral broadening applications. JPhys Photonics, 2022, 4, 014002.	4.6	10
74	Design and characterization of semiconductor-doped silica film saturable absorbers. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 851.	2.1	9
75	Direct measurement of the pulse duration and frequency chirp of seeded XUV free electron laser pulses. New Journal of Physics, 2018, 20, 013010.	2.9	9
76	Long-term stable, synchronizable, low-noise picosecond Ho: fiber NALM oscillator for Ho:YLF amplifier seeding. Optics Letters, 2022, 47, 822.	3.3	9
77	Transverse and longitudinal characterization of electron beams using interaction with optical near-fields. Optics Letters, 2016, 41, 3435.	3.3	8
78	Intensity noise coupling in soliton fiber oscillators. Optics Letters, 2017, 42, 5266.	3.3	8
79	A synchronized VUV light source based on high-order harmonic generation at FLASH. Scientific Reports, 2020, 10, 6867.	3.3	8
80	1-GHz dual-comb spectrometer with high mutual coherence for fast and broadband measurements. Optics Letters, 2022, 47, 1379.	3.3	8
81	Frequency-comb-calibrated Doppler broadening thermometry. Physical Review A, 2013, 88, .	2.5	7
82	Coherent frequency division with a degenerate synchronously pumped optical parametric oscillator. Optics Letters, 2018, 43, 1059.	3.3	7
83	Challenges in simulating beam dynamics of dielectric laser acceleration. International Journal of Modern Physics A, 2019, 34, 1942031.	1.5	7
84	500 MHz, 58fs highly coherent Tm fiber soliton laser. , 2012, , .		7
85	Shaping femtosecond laser pulses at short wavelength with grazing-incidence optics. Optics Express, 2019, 27, 13479.	3.4	7
86	Tunable Coherent Raman Soliton Generation with a Tm-Fiber System. , 2011, , .		6
87	Study on laser characteristics of Ho:YLF regenerative amplifiers: Operation regimes, gain dynamics, and highly stable operation points. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	6
88	Flexible and Coherent Soft X-ray Pulses at High Repetition Rate: Current Research and Perspectives. Applied Sciences (Switzerland), 2021, 11, 9729.	2.5	6
89	High energy fiber chirped pulse amplification system based on cubicons. , 2005, , .		5
90	Fully stabilized, self-referenced thulium fiber frequency comb. , 2011, , .		5

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91	Production of quasi ellipsoidal laser pulses for next generation high brightness photoinjectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 438-441.	1.6	5
92	Versatile OPCPA Pump-Probe Laser System for the FLASH2 XUV FEL Beamline at DESY. , 2019, , .		5
93	Fully stabilized GHz Yb-fiber laser frequency comb. , 2009, , .		5
94	Photonic Device Fabrication With Femtosecond Laser Oscillators. Optics and Photonics News, 2003, 14, 44.	0.5	4
95	Ultrafast high energy amplifiers beyond the B-integral limit. , 2006, , .		4
96	A spatio-spectral polarization analysis of 1 $\mu$ m-pumped bulk supercontinuum in a cubic crystal (YAG). Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	4
97	6 GHz Repetition Rate Photocathode Laser for Multi-Bunch Operation of a Relativistic Electron Gun. , 2018, , .		4
98	Passively Mode Locked GHz Femtosecond Yb-Fiber Laser Using an Intra-Cavity Martinez Compressor. , 2011, , .		3
99	Phase Locked System for Dual Comb Molecular Spectroscopy at 2-6 $\mu$ m Based on Tm-fiber Laser. , 2014, , .		3
100	Flexible Pulse-Shape Picosecond Front-End for XFEL Photocathode Lasers. , 2019, , .		3
101	Fourier Transform Spectrometry Using a Single Cavity Length Modulated Mode-Locked Fiber Laser. , 2011, , .		3
102	Passive cavity enhancement of a femtosecond fiber chirped pulse amplification system to 204W average power. , 2007, , .		3
103	Power Scaling of High-Repetition-Rate HHG. , 2010, , .		3
104	Compact, alignment-free, environmentally stable dispersion compensated femtosecond Yb-fiber oscillator. , 2020, , .		3
105	Hybridizing Multi-pass and Multi-plate Bulk Compression. EPJ Web of Conferences, 2020, 243, 21001.	0.3	3
106	Synchronized beamline at FLASH2 based on high-order harmonic generation for two-color dynamics studies. Review of Scientific Instruments, 2021, 92, 123004.	1.3	3
107	Ultrahigh-resolution in-vivo versus ex-vivo OCT imaging and tissue preservation. , 2001, 4251, 170.		2
108	Carrier envelope phase locking of an in-line, low-noise Er fiber system. , 2004, , PDP10.		2

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109	GHz Yb-femtosecond-fiber laser frequency comb. , 2009, , .		2
110	Mode-Locked Yb-Fiber Laser for Rapid Dual Pulse Scanning Applications. , 2011, , .		2
111	Coherent Tm-fiber Raman-soliton amplifier. , 2011, , .		2
112	Sub-100 fs passively mode-locked holmium-doped fiber oscillator operating at 2.06 $\mu$ m. , 2015, , .		2
113	Kagome-fiber-based pulse compression of mid-infrared picosecond pulses from a Ho:YLF amplifier: publisher's note. Optica, 2016, 3, 853.	9.3	2
114	Long-Term Stabilization of Temporal and Spectral Drifts of a Burst-Mode OPCPA System. , 2019, , .		2
115	UV Laser Beam Stabilization System for the European XFEL Electron Injector Laser Beamline. , 2015, , .		2
116	High resolution OCT imaging using a spectrally broadened femtosecond Nd:glass laser. , 0, , .		1
117	Portable broadband light sources using a femtosecond Nd:Glass laser and nonlinear fiber for ultrahigh-resolution OCT imaging. , 2003, , .		1
118	Transverse priority scanning and microscopy for high-resolution optical coherence tomography. , 2003, , .		1
119	Carrier envelope phase locking of an in-line, low-noise Er fiber system. , 2004, , 176.		1
120	170MHz spaced, self-referenced fiber-frequency-comb. , 2006, , .		1
121	Integrated fiber-frequency comb using a PPLN waveguide for spectral broadening and CEO phase detection. , 2006, , .		1
122	Er- and Yb-doped Fiber Laser Frequency Combs and Their Applications. LEOS Summer Topical Meeting, 2007, , .	0.0	1
123	Self-referenced f&lt;inf&gt;CEO&lt;/inf&gt; stabilization of a low noise femtosecond fiber oscillator. , 2008, , .		1
124	Rapidly scanning Fourier transform spectrometer based on a GHz repetition rate Yb-fiber laser pair. , 2009, , .		1
125	Rapidly scanning, high resolution Yb fiber based frequency comb-Fourier transform spectrometer. , 2009, , .		1
126	Broadband Intracavity Molecular Spectroscopy with a Degenerate Mid-IR OPO. , 2012, , .		1



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127	Mid-IR frequency comb with sub-hertz residual linewidth from a doubly-resonant OPCaAs OPO. , 2013, , .		1
128	High Brightness XUV Frequency Combs via Intracavity High Harmonic Generation. EPJ Web of Conferences, 2013, 41, 11006.	0.3	1
129	High energy and low noise Ho:YLF regenerative amplifiers: a noise and stability analysis. , 2015, , .		1
130	Sub-optical-cycle control of free electrons by optical near-fields. , 2017, , .		1
131	All-Polarization-Maintaining Dual-Color/Dual-Comb Yb:Fiber Laser. , 2019, , .		1
132	Comparison of two low-noise CEO frequencystabilization methods for an all-PM Yb: fiber NALM oscillator. OSA Continuum, 0, , .	1.8	1
133	Tunable Pulse Shape DUV Photocathode Laser for X-ray Free Electron Lasers at DESY. , 2021, , .		1
134	Strong-Field Few-Cycle 2- $\mu$ m Pulses via Kagome-Fiber Compression of Picosecond Ho:YLF Laser Pulses. , 2016, , .		1
135	GHz Yb-fiber laser frequency comb for spectroscopy applications. , 2009, , .		1
136	Stabilization of carrier-envelope phase with MHz bandwidth by an intra-cavity graphene electro-optic modulator. , 2012, , .		1
137	Stability optimized, 4-mJ and 1.2-ps pulses from a Ho:YLF regenerative amplifier. , 2016, , .		1
138	Post-compression of 8.6 mJ ps-pulses from an Yb:YAG Innoslab amplifier using a compact multi-pass cell. , 2021, , .		1
139	Ultrahigh resolution in vivo versus ex vivo OCT imaging and tissue preservation. , 2001, , .		0
140	<title>Ultrahigh resolution OCT using continuum generation in an air-silica microstructure optical fiber</title>. , 2001, 4431, 25.		0
141	Ultrahigh-resolution OCT using continuum generation in an air-silica microstructure optical fiber. , 2001, , .		0
142	High-speed path length scanning using a Herriott cell delay line. , 2001, , .		0
143	Fabrication of glass photonic devices by an unamplified femtosecond laser. , 0, , .		0
144	Versatile photonic device fabrication using nonlinear processing in glass with a femtosecond laser oscillator. , 0, , .		0

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145	Imaging water absorption with spectroscopic optical coherence tomography. , 2001, , .		0
146	High-speed path length scanning using a Herriott cell delay line. , 2001, , .		0
147	Ultrafast dynamics of non-epitaxially grown semiconductor-doped silica film saturable absorbers. , 0, , .		0
148	Optical coherence microscopy using a reflective grating phase delay scanner. , 0, , .		0
149	Ultrahigh resolution optical coherence tomography for quantitative topographic mapping of retinal and intraretinal architectural morphology. , 2002, 4619, 223.		0
150	Ultrahigh-resolution optical coherence tomography for enhanced visualization of retinal pathology. , 2003, , .		0
151	Real-time ultrahigh-resolution OCT systems for in vivo imaging. , 2003, , .		0
152	An optimized Er all-fiber chirped pulse amplification system producing 570-fs, 310-nJ pulses. , 2005, , .		0
153	Absolute frequency measurement of an acetylene-stabilized laser at 1542 nm. , 0, , .		0
154	High power ultrafast fiber amplifiers. , 2006, , .		0
155	Self-referenced Yb-fiber-laser frequency comb using a dispersion micromanaged tapered holey fiber. , 2007, , .		0
156	Octave-level spectral broadening in RPE PPLN waveguides. , 2007, , .		0
157	Fiber frequency combs. , 2007, , .		0
158	10 W average power frequency comb with sub-mHz relative linewidths from an Yb: fiber system. , 2008, , .		0
159	Diffraction-limited output from multi-core fibers using coherent beam combination and a diffractive optical element. , 2009, , .		0
160	Phase-stabilized, 1.5-W mid-infrared frequency comb. , 2009, , .		0
161	75 W Yb-fiber laser frequency comb. , 2010, , .		0
162	New developments in fiber-based frequency combs. , 2011, , .		0

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163	New Developments in Fiber-Laser Frequency Combs. , 2011, , .		0
164	Broadband Phase-Noise Suppression in a Yb-based Optical Frequency Comb. , 2011, , .		0
165	1.5 Octave Highly Coherent Fiber Frequency Comb. , 2011, , .		0
166	Self frequency shift near 2 $\mu\text{m}$ in periodically poled lithium niobate waveguides. , 2011, , .		0
167	Pulse train amplitude modulation due to continuum resonances in GHz soliton fiber lasers. , 2011, , .		0
168	Coherent transfer over 1.1 spectral octave with a fiber frequency comb. , 2011, , .		0
169	Ultra-low phase-noise Tm-fiber frequency comb with an intra-cavity graphene electro-optic modulator. , 2012, , .		0
170	Tunable Mid-Infrared Source Based on Difference Frequency Generation of a Femtosecond Tm-fiber System in Orientation Patterned GaAs. , 2012, , .		0
171	Phase Stabilization of a Yb:fiber Frequency Comb via High-Bandwidth Transducers. , 2012, , .		0
172	Mid infrared supercontinuum generation in nanotapered chalcogenide-silica step-index waveguides. , 2013, , .		0
173	Fiber laser driven mid-infrared frequency combs. , 2013, , .		0
174	Carrier Envelope Offset of Nondegenerate, Doubly-Resonant, Midinfrared GaAs Optical Parametric Oscillators. , 2013, , .		0
175	Mid-IR Frequency Combs From Coherent Supercontinuum Generation in Chalcogenide Nano-Spike Waveguides. , 2013, , .		0
176	Comb-assisted precision spectroscopy of $\text{NH}_3$ at 9.1 $\mu\text{m}$ . , 2013, , .		0
177	Fiber Lasers for Accelerators and Accelerator Driven Light Sources. , 2014, , .		0
178	Ho:YLF Regenerative Amplifier with 6.9 mJ at 1 kHz Overcoming Bifurcation Instability. , 2015, , .		0
179	Sub-300 fs, 0.5 mJ pulse at 1kHz from Ho:YLF amplifier and Kagome pulse compression. , 2015, , .		0
180	High energetic and highly stable pulses from a Ho:YLF regenerative amplifier. Proceedings of SPIE, 2016, , .	0.8	0

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181	Intensity noise in mid-IR frequency combs based on difference frequency generation. , 2017, , .		0
182	Plans for Dielectric Laser Accelerators at SINBAD. , 2018, , .		0
183	Control of FEL radiation properties by tailoring the seed pulses. Journal of Physics: Conference Series, 2018, 1067, 032012.	0.4	0
184	An Option to Generate Seeded FEL Radiation for FLASH1. Journal of Physics: Conference Series, 2018, 1067, 032013.	0.4	0
185	Ultrafast Laser Technology for X-Ray FEL Science. , 2019, , .		0
186	Intra-Burst Pulse Characterization of a High-Power Post-Compressed Yb:YAG Laser at 100 kHz Repetition Rate. , 2021, , .		0
187	Role of dispersion and compression ratio on the temporal contrast of SPM-broadened post-compressed pulses. , 2021, , .		0
188	Ultrafast Pulse Compression in Bulk with > 20 Times Spectral Broadening Factor from a Single Stage. , 2021, , .		0
189	Intra-Burst Temporal Pulse Contrast of a High-Power Post-Compressed Picosecond Yb:YAG Laser. , 2021, , .		0
190	Ultra-high resolution optical coherence tomography using novel femtosecond laser sources. , 2002, , .		0
191	Ultra-high Resolution Optical Coherence Tomography using Novel Femtosecond Lasers. Springer Series in Chemical Physics, 2003, , 660-662.	0.2	0
192	Yb fiber laser chirped pulse amplifier system using a fiber Bragg grating stretcher matched to the Treacy compressor. , 2004, , .		0
193	Fiber Based Frequency Comb Lasers. , 2005, , .		0
194	Fiber Based Frequency Comb Lasers and Their Applications. , 2005, , .		0
195	Xe plasma generated by a cavity enhanced Yb-similariton laser based fiber frequency comb. , 2007, , .		0
196	Precision phase stabilization of amplified Yb: fiber frequency comb with average power > 10W. , 2008, , .		0
197	High-power Yb-frequency comb using fiber stretcher / grating compressor and linear amplification. , 2010, , .		0
198	Yb-Fiber Laser Frequency Combs. , 2010, , .		0

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199	Supercontinuum Generation near 2 $\mu\text{m}$ in Periodically Poled Lithium Niobate Waveguides. , 2011, , .		0
200	High Power Fiber Laser Frequency Combs for XUV Spectroscopy. , 2011, , .		0
201	Frequency Comb Synthesizer Tunable from 3 to 10 $\mu\text{m}$ . , 2012, , .		0
202	Nearly 3-6 $\mu\text{m}$ Spectral Comb Derived from Tm Mode-locked Laser using GaAs-based Degenerate OPO. , 2012, , .		0
203	Mid-IR Frequency Combs From Coherent Supercontinuum Generation in Chalcogenide Nano-Spike Waveguides. , 2013, , .		0
204	Precision spectroscopy of NH <sub>3</sub> at 9.1 $\mu\text{m}$ by a comb-referenced quantum cascade laser. , 2013, , .		0
205	Full (3+1)D Split-Step Technique for Spatial Mode Analysis of White Light Generation in Bulk Kerr-Media. , 2015, , .		0
206	Passively Mode-locked Holmium-doped Fiber Oscillators Optimized for Ho:YLF Amplifier Seeding. , 2015, , .		0
207	Multi-Octave Supercontinuum Generation Driven by Few-Cycle Mid-IR Pulses in YAG, ZnSe And Sapphire. , 2016, , .		0
208	Intensity Noise Coupling in Soliton Fiber Oscillators. , 2016, , .		0
209	Widely Tunable Mid-IR, High Signal-to-Noise Frequency Comb based Fourier Transform Spectrometer. , 2017, , .		0
210	Operation of a seeded XUV free-electron laser at DESY with high-gain harmonic generation. , 2017, , .		0
211	Application of Cavity-Enhanced Comb-Based Fourier-Transform Spectroscopy to Line Shape Study of Carbon Monoxide in Argon. , 2018, , .		0
212	Compact Photo-Injector and Laser-Heater Drive Laser for the European X-ray Free Electron Laser Facility. , 2018, , .		0
213	Comparison of two low-noise CEP stabilization methods for an environmentally stable Yb: fiber oscillator. , 2019, , .		0
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