

Jan Rothhardt

List of Publications by Year in descending order

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papers

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212
all docs

212
docs citations

212
times ranked

2832
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in laboratory-scale ptychography using high harmonic sources [Invited]. Optics Express, 2022, 30, 4133.	1.7	29
2	Material-specific high-resolution table-top extreme ultraviolet microscopy. Light: Science and Applications, 2022, 11, 117.	7.7	32
3	Nonlinear pulse compression to 51-W average power CW-class 35-fs pulses at 2- μ m wavelength in a gas-filled multi-pass cell. Optics Letters, 2022, 47, 3511.	1.7	6
4	Material-specific ptychographic imaging at 13.5 nm using a high-order harmonic source. , 2022, , .		0
5	Ultrafast HHG source delivering 13 mW of average power. , 2022, , .		0
6	Ultra-high photon flux high-harmonic generation. , 2022, , .		0
7	Continuously tunable high photon flux high harmonic source at 50 \hat{a} e 70 eV. , 2022, , .		0
8	Bright, high-repetition-rate water window soft X-ray source enabled by nonlinear pulse self-compression in an antiresonant hollow-core fibre. Light: Science and Applications, 2021, 10, 36.	7.7	36
9	Real-time phase-retrieval and wavefront sensing enabled by an artificial neural network. Optics Express, 2021, 29, 9283.	1.7	4
10	Ultra-short-pulse high-average-power megahertz-repetition-rate coherent extreme-ultraviolet light source. PhotonIX, 2021, 2, .	5.5	64
11	Agile spectral tuning of high order harmonics by interference of two driving pulses. Optics Express, 2021, 29, 22117.	1.7	10
12	High repetition rate high harmonic generation with ultra-high photon flux. , 2021, , .		0
13	Ultraviolet dual comb spectroscopy: a roadmap. Optics Express, 2021, 29, 21859.	1.7	13
14	100 kHz water window soft X-ray high-order harmonic generation through pulse self-compression in an antiresonant hollow-core fiber. , 2021, , .		0
15	4-channel Coherently Combined Long-term-stable Ultrafast Thulium-doped Fiber CPA. , 2021, , .		0
16	Towards attosecond imaging at the nanoscale using broadband holography-assisted coherent imaging in the extreme ultraviolet. Communications Physics, 2021, 4, .	2.0	7
17	Table-top interferometry on extreme time and wavelength scales. Optics Express, 2021, 29, 40333.	1.7	3
18	Table-top high-resolution ptychographic EUV imaging. , 2021, , .		0

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19	Lifetime measurements of ultrashort-lived excited states in Be-like ions. X-Ray Spectrometry, 2020, 49, 165-168.	0.9	8
20	Development of a detector to register low-energy, charge-changed ions from ionization experiments at CRYRING@ESR. Journal of Physics: Conference Series, 2020, 1412, 242003.	0.3	1
21	Differential pumping unit for windowless coupling of laser beams to ultra high vacuum. Vacuum, 2020, 178, 109443.	1.6	1
22	A compact, turnkey, narrow-bandwidth, tunable, and high-photon-flux extreme ultraviolet source. AIP Advances, 2020, 10, 045227.	0.6	6
23	Generation of coherent broadband high photon flux continua in the XUV with a sub-two-cycle fiber laser. Optics Express, 2020, 28, 6188.	1.7	33
24	Single-shot characterization of strongly focused coherent XUV and soft X-ray beams. Optics Letters, 2020, 45, 4798.	1.7	2
25	Reliability of ptychography on periodic structures. OSA Continuum, 2020, 3, 1691.	1.8	3
26	Atto-FTH – Fourier Transform Holography Beyond the Temporal Coherence Limit. , 2020, , .		0
27	Sub-20 fs high-energy pulse generation at 515 nm with 50 W of average power. , 2020, , .		0
28	High-order harmonic generation in noble gas driven by high-power ultrafast thulium-doped fiber lasers. , 2020, , .		0
29	Power scalable fiber laser driven high-harmonic source for broadband high photon flux continua. , 2020, , .		0
30	Soft x-ray high order harmonic generation from high power ultrafast thulium-doped fiber lasers. , 2020, , .		0
31	High Repetition Rate High Harmonic Generation with Ultra-high Photon Flux. , 2020, , .		0
32	Soft x-ray high order harmonic generation driven by high repetition rate ultrafast thulium-doped fiber lasers. , 2020, , .		2
33	51 W, Multi-GW Few-Cycle Laser Spanning 1.2–2.2 μm Wavelength. , 2019, , .		0
34	High-precision calculations of the $\langle \sigma \rangle$ for the photoionization of Be-like ions. Physical Review Letters, 2019, 123, 133001.	1.0	1
35	Wavelength-scale ptychographic coherent diffractive imaging using a high-order harmonic source. Scientific Reports, 2019, 9, 1735.	1.6	26
36	A Compact Tunable Narrow-Bandwidth and High-Photon-Flux Turnkey XUV Source for Experiments with Highly Charged Ions at Storage Rings. , 2019, , .		0

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37	Tm: fiber CPA driven nonlinear pulse compression stage delivering multi-GW, sub-10 fs pulses at 20 W of average power. , 2019, , .		2
38	Coherent Diffraction Imaging with Tabletop XUV Sources. Springer Proceedings in Physics, 2018, , 231-241.	0.1	0
39	Table-top nanoscale coherent imaging with XUV light. Journal of Optics (United Kingdom), 2018, 20, 113001.	1.0	33
40	Wavelength-scale Coherent Diffractive Imaging using a High-order Harmonic Source. Microscopy and Microanalysis, 2018, 24, 16-17.	0.2	0
41	High resolution XUV Fourier transform holography on a table top. Scientific Reports, 2018, 8, 8677.	1.6	16
42	Ptychographic Coherent Diffractive Imaging using High Photon Flux Table-top XUV Sources. , 2018, , .		0
43	Separation of High Average Power Driving Lasers from Higher Order Harmonics Using an Annular Beam. , 2018, , .		0
44	High Resolution Ptychographic Coherent Diffractive Imaging using Table-top XUV Sources. , 2018, , .		1
45	Annular beam driven high harmonic generation for high flux coherent XUV and soft X-ray radiation. Optics Express, 2018, 26, 19318.	1.7	21
46	Fourier Transform Holography at the Wavelength Limit. , 2018, , .		0
47	High Average Power Near-Infrared Few-Cycle Lasers. Laser and Photonics Reviews, 2017, 11, 1700043.	4.4	36
48	High-average-power femtosecond laser at 258 nm. Optics Letters, 2017, 42, 2826.	1.7	16
49	Milliwatt-class high harmonic generation with an high average power short wavelength fiber laser. , 2017, , .		0
50	Multi-GW, 100 fs thulium-doped fiber laser system for high-harmonic generation at high repetition rates. , 2017, , .		2
51	High Resolution Table-top Coherent Diffractive Imaging of Extended Samples. , 2017, , .		0
52	Imaging nanoscale objects and ultrafast molecular dynamics with high photon flux XUV sources. , 2017, , .		0
53	Direct Bonding of Crystalline Components for Application in High Power Laser Systems. , 2017, , .		0
54	Few-cycle laser with 216 W average power and 6.3 fs pulses. , 2016, , .		0

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55	High-repetition-rate and high-photon-flux 70 eV high-harmonic source for coincidence ion imaging of gas-phase molecules. Optics Express, 2016, 24, 18133.	1.7	60
56	Table-top milliwatt-class extreme ultraviolet high harmonic light source. Optica, 2016, 3, 1167.	4.8	50
57	Influence of detector noise in holographic imaging with limited photon flux. Optics Express, 2016, 24, 22013.	1.7	6
58	Single-pass high harmonic generation at high repetition rate and photon flux. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 172002.	0.6	99
59	Nanoscale imaging with high photon flux table-top XUV sources. , 2016, , .		0
60	100 W average power femtosecond laser at 343 nm. Optics Letters, 2016, 41, 1885.	1.7	37
61	Physics book: CRYRING@ESR. European Physical Journal: Special Topics, 2016, 225, 797-882.	1.2	101
62	Energetic sub-2-cycle laser with 216 W average power. Optics Letters, 2016, 41, 4332.	1.7	107
63	Scalability of components for kW-level average power few-cycle lasers. Applied Optics, 2016, 55, 1636.	2.1	41
64	Ultrafast transient absorption microscopy: Study of excited state dynamics in PtOEP crystals. Chemical Physics, 2016, 464, 69-77.	0.9	5
65	 mW Average Power Narrowband High Harmonic Sources. , 2016, , .		2
66	Concept for CEP-stable few-cycle pulses at 100 W average power. , 2016, , .		2
67	200 W Average Power Energetic Few-cycle Fiber Laser. , 2016, , .		2
68	High speed and high resolution table-top nanoscale imaging. Optics Letters, 2016, 41, 5170.	1.7	34
69	High Photon Flux 70 eV HHG Source for Applications in Molecular and Solid State Physics. , 2016, , .		2
70	100 W Femtosecond UV Laser for High-Flux XUV Generation. , 2016, , .		0
71	High-power nonlinear compression stage delivering sub-50 fs, 0.25 mJ pulses, 15 W at 2 μm wavelength for HHG. , 2016, , .		1
72	100 W Average Power Femtosecond UV Laser for Ultra-High Photon Flux XUV Sources. , 2016, , .		0

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73	Narrowband High Harmonic Source with Multi-mW Average Power Based on Cascaded Frequency Conversion. , 2016, , .		0
74	High Photon Flux 70 eV HHG Source for Ultrafast Dynamics. , 2016, , .		0
75	Exploring new avenues in high repetition rate table-top coherent extreme ultraviolet sources. Light: Science and Applications, 2015, 4, e320-e320.	7.7	97
76	Average Power Scaling of Sub-2 cycle Lasers to the Kilowatt Regime. , 2015, , .		0
77	BBO sapphire compound for high-power frequency conversion. , 2015, , .		0
78	High-average-power 2â€‰%â€‰%â€‰%1/4m few-cycle optical parametric chirped pulse amplifier at 100â€‰%â€‰%kHz repetition rate. Optics Letters, 2015, 40, 5546.	1.7	31
79	High photon flux and repetition rate table-top EUV sources based on ultrashort pulse fiber lasers. , 2015, , .		0
80	Prospects for laser spectroscopy of highly charged ions with high-harmonic XUV and soft x-ray sources. Physica Scripta, 2015, T166, 014030.	1.2	16
81	Scaling of a 2Âµm few-cycle OPCPA system to 100 kHz repetition rate and high average powers. , 2015, , .		0
82	High photon flux XUV and soft x-ray sources enabled by high harmonic generation of high power fiber lasers. , 2015, , .		0
83	22GW peak power femtosecond fiber CPA system. , 2015, , .		0
84	Self-Probing Spectroscopy of the SF6 Molecule: A Study of the Spectral Amplitude and Phase of the High Harmonic Emission. Journal of Physical Chemistry A, 2015, 119, 6111-6122.	1.1	9
85	Short-IR GW peak power OPCPA system with record average power at 100 kHz for high field physics. , 2015, , .		0
86	Approaching the Abbe Limit in the Extreme Ultraviolet: Ultrafast Imaging Using a Compact High Average Power High Harmonic Source. , 2015, , .		0
87	Thermal properties of borate crystals for high power optical parametric chirped-pulse amplification. Optics Express, 2014, 22, 17607.	1.7	53
88	BBO-sapphire sandwich structure for frequency conversion of high power lasers. Optical Materials Express, 2014, 4, 1092.	1.6	46
89	22â€‰%â€‰%GW peak-power fiber chirped-pulse-amplification system. Optics Letters, 2014, 39, 6875.	1.7	73
90	53ÂW average power few-cycle fiber laser system generating soft x rays up to the water window. Optics Letters, 2014, 39, 5224.	1.7	92

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91	Enhancing the Macroscopic Yield of Narrow-Band High-Order Harmonic Generation by Fano Resonances. Physical Review Letters, 2014, 112, 233002.	2.9	52
92	High-pulse energy and average-power ultrashort laser pulses via nonlinear compression of coherently combined fiber CPA system. , 2014, , .		0
93	Absorption-limited and phase-matched high harmonic generation in the tight focusing regime. New Journal of Physics, 2014, 16, 033022.	1.2	90
94	High photon flux table-top coherent extreme-ultraviolet source. Nature Photonics, 2014, 8, 779-783.	15.6	144
95	Coherent beam combination of Yb:YAG single-crystal rod amplifiers. Optics Letters, 2014, 39, 3278.	1.7	33
96	Real-time and Sub-wavelength Ultrafast Coherent Diffraction Imaging in the Extreme Ultraviolet. Scientific Reports, 2014, 4, 7356.	1.6	68
97	53 W Average Power Energetic Few-Cycle Pulses for High-Field Physics. , 2014, , .		1
98	Compact 10 MHz, 140 MW Peak Power Source Enabling Bright High Harmonic Generation. , 2014, , .		2
99	Coherent Imaging with a Narrow-band High Average Power XUV Source. , 2014, , .		0
100	BBO-sapphire sandwich structures for high power frequency conversion. , 2014, , .		0
101	Enhanced high harmonic generation by Fano resonances. , 2014, , .		0
102	Average Power Scaling of High Harmonic Generation towards 100 $\hat{\mu}$ W per Harmonic. , 2014, , .		0
103	Absorption-limited high harmonic generation in the tight focusing regime. , 2014, , .		0
104	High Harmonic Generation of Fiber Laser Systems with more than 100 $\hat{\mu}$ W Average Power per Harmonic. , 2014, , .		0
105	High peak-power coherently combined femtosecond fiber CPA system. , 2014, , .		0
106	Towards isolated attosecond pulses at megahertz repetition rates. Nature Photonics, 2013, 7, 555-559.	15.6	124
107	135 W, 0.5 mJ, sub-30 fs Pulses Obtained by Nonlinear Compression of Coherently Combined Fiber CPA. , 2013, , .		0
108	Generation of high photon flux coherent soft x-ray radiation with few-cycle pulses. Optics Letters, 2013, 38, 5051.	1.7	17

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109	Thermal effects in high average power optical parametric amplifiers. Optics Letters, 2013, 38, 763.	1.7	75
110	Nonlinear compression to sub-30-fs, 05â€™â€™mJ pulses at 135â€™â€™W of average power. Optics Letters, 2013, 38, 3866.	1.7	61
111	High average power fiber laser system for attosecond science. , 2013, , .		0
112	4-Channel coherently combined femtosecond fiber CPA system delivering 1.3 mJ pulses with 532 W average power. , 2013, , .		0
113	Generation of coherent soft X-ray radiation at high repetition rate. , 2013, , .		0
114	Thermal challenges in high power optical parametric amplifiers. , 2013, , .		0
115	530ÂW, 13ÂmJ, four-channel coherently combined femtosecond fiber chirped-pulse amplification system. Optics Letters, 2013, 38, 2283.	1.7	155
116	High repetition rate carrier-envelope phase stable few-cycle OPCPA for strong field physics. , 2013, , .		0
117	530 W Average Power, Gigawatt Peak-Power, 4 Channel Femtosecond Fiber CPA System. , 2013, , .		0
118	Generation of High Photon Flux Coherent Soft X-rays. , 2013, , .		0
119	High Repetition Rate Few-cycle OPCPA for Generation of Isolated Attosecond Pulses. , 2012, , .		1
120	Parasitic processes in optical parametric amplifiers. , 2012, , .		0
121	High stability soliton frequency-shifting mechanisms for laser synchronization applications. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1257.	0.9	17
122	Octave-spanning OPCPA system delivering CEP-stable few-cycle pulses and 22 W of average power at 1 MHz repetition rate. Optics Express, 2012, 20, 10870.	1.7	138
123	Fiber-based source for multiplex-CARS microscopy based on degenerate four-wave mixing. Optics Express, 2012, 20, 12004.	1.7	36
124	Improving carrier-envelope phase stability in optical parametric chirped-pulse amplifiers by control of timing jitter. Optics Letters, 2012, 37, 4910.	1.7	21
125	Control of nonlinear spectral phase induced by ultra-broadband optical parametric amplification. Optics Letters, 2012, 37, 3933.	1.7	29
126	High peak and average power generation by cascaded nonlinear compression of fiber CPA system. , 2012, , .		0

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127	High-quality 3.6-fs pulses by compression of an octave-spanning supercontinuum. Proceedings of SPIE, 2012, , .	0.8	0
128	Coherently combined fiber CPA system delivering 3-mJ femtosecond pulses. , 2012, , .		0
129	100 W Nonlinear Compression in Hollow Core Fibers at 1 MHz Repetition Rate. , 2012, , .		1
130	Fiber Laser Pumped MHz High Repetition Rate Few-cycle OPCPA System. , 2012, , .		0
131	Octave spanning optical parametric amplification of CEP stable sub-two cycle pulses at high average power. , 2012, , .		0
132	High Harmonic Generation in Aligned N2O for Orbital Tomographic Imaging. , 2012, , .		0
133	Microwatt average power high harmonic generation with high repetition rate ultrafast fiber lasers. , 2012, , .		0
134	Octave Spanning Amplification in Single Color Pumped OPCPA System at Megahertz Repetition Rate. , 2012, , .		0
135	3mJ Coherently Combined Two Channel Femtosecond Fiber CPA Laser System. , 2012, , .		0
136	Fiber chirped-pulse amplification system emitting 38 GW peak power. Optics Express, 2011, 19, 255.	1.7	243
137	High power narrow-band fiber-based ASE source. Optics Express, 2011, 19, 4421.	1.7	65
138	Multi-gigawatt ultrashort pulses at high repetition rate and average power from two-stage nonlinear compression. Optics Express, 2011, 19, 7546.	1.7	19
139	Preferential gain photonic-crystal fiber for mode stabilization at high average powers. Optics Express, 2011, 19, 8656.	1.7	46
140	High quality sub-two cycle pulses from compression of supercontinuum generated in all-normal dispersion photonic crystal fiber. Optics Express, 2011, 19, 13873.	1.7	101
141	Analysis and suppression of parasitic processes in noncollinear optical parametric amplifiers. Optics Express, 2011, 19, 16797.	1.7	50
142	Generation of μ W level plateau harmonics at high repetition rate. Optics Express, 2011, 19, 19374.	1.7	51
143	Generation of high quality, 13 cycle pulses by active phase control of an octave spanning supercontinuum. Optics Express, 2011, 19, 20151.	1.7	63
144	Coherently-combined two channel femtosecond fiber CPA system producing 3 mJ pulse energy. Optics Express, 2011, 19, 24280.	1.7	60

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145	High-repetition-rate sub-5-fs pulses with 12 GW peak power from fiber-amplifier-pumped optical parametric chirped-pulse amplification. Optics Letters, 2011, 36, 313.	1.7	36
146	135 W average-power femtosecond pulses at 520 nm from a frequency-doubled fiber laser system. Optics Letters, 2011, 36, 316.	1.7	17
147	1 MHz repetition rate hollow fiber pulse compression to sub-100-fs duration at 100 W average power. Optics Letters, 2011, 36, 4605.	1.7	50
148	High Peak and Average Power Ultrashort Pulses from Double Stage Nonlinear Compression of a Fiber Chirped Pulse Amplification System. , 2011, , .		0
149	High average power femtosecond pulses at 520 nm via second harmonic generation of a fiber chirped pulse amplification system. , 2011, , .		0
150	Ultrafast fiber lasers for strong-field physics experiments. Laser and Photonics Reviews, 2011, 5, 634-646.	4.4	23
151	Sub-two cycle pulse generation with all normal dispersion photonic crystal fiber and linear chirp compensation. , 2011, , .		0
152	Generation of high power, high repetition rate few-cycle pulses from fiber-amplifier-pumped optical parametric chirped-pulse amplification. , 2011, , .		0
153	High-average power second harmonic generation of femtosecond fiber lasers. Proceedings of SPIE, 2011, , .	0.8	0
154	High average power ultrashort pulses with >5 GW peak power. , 2011, , .		0
155	Sub-5 fs pulses with 12 GW peak power from high repetition rate OPCPA. , 2011, , .		0
156	Yb-doped Large Pitch Fiber with 105 μm Mode Field Diameter. , 2011, , .		1
157	Fiber CPA System delivering 2.2 mJ, sub 500 fs pulses with 3.8 GW Peak Power. , 2011, , .		1
158	Simple and monolithic picosecond pulse shaper based on fiber Bragg gratings. , 2010, , .		0
159	2-GW peak power 71-fs pulses at 50 kHz based on nonlinear compression of a fiber CPA system. Proceedings of SPIE, 2010, , .	0.8	0
160	Gigawatt peak power - 35 fs pulses delivered by fiber amplifier pumped OPCPA system. , 2010, , .		0
161	High repetition rate 5 GW peak power fiber laser pumped few-cycle OPCPA with CEP control. , 2010, , .		0
162	CW seeded optical parametric amplifier providing wavelength and pulse duration tunable nearly transform limited pulses. Optics Express, 2010, 18, 3158.	1.7	10

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163	Fiber-amplifier pumped high average power few-cycle pulse non-collinear OPCPA. Optics Express, 2010, 18, 4689.	1.7	33
164	High average and peak power few-cycle laser pulses delivered by fiber pumped OPCPA system. Optics Express, 2010, 18, 12719.	1.7	52
165	High harmonic generation by novel fiber amplifier based sources. Optics Express, 2010, 18, 20242.	1.7	44
166	High average power 5 GW peak power fiber laser pumped few-cycle OPCPA system. , 2010, , .		0
167	Short Wavelength Generation at High Repetition Rate by Direct High Harmonic Generation. , 2010, , .		0
168	96 kHz Fiber-Amplifier-Pumped Few-Cycle Pulse Optical Parametric Chirped Pulse Amplifier System. , 2010, , .		0
169	Tunable Near Transform Limited Pulses From a cw Seeded Optical Parametric Amplifier. , 2010, , .		0
170	Coherent picosecond pulse stacking by cascaded fiber Bragg gratings for flat-top pulse generation. , 2010, , .		0
171	High repetition rate " sub 30 fs " Gigawatt peak power optical parametric amplifier pumped by a chirped pulse fiber amplifier. , 2009, , .		0
172	80 kHz repetition rate compact high power fiber amplifier pumped OPCPA delivering 50 fs pulses. , 2009, , .		0
173	Hollow-core fiber compression of high repetition rate fiber CPA systems. , 2009, , .		0
174	High Repetition Rate Gigawatt Peak Power Fiber Laser Systems: Challenges, Design, and Experiment. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 159-169.	1.9	67
175	A 325-W-Average-Power Fiber CPA System Delivering Sub-400 fs Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 187-190.	1.9	26
176	Wavelength-independent all-optical synchronization of Q-switched 100-ps microchip laser to femtosecond laser reference source. Applied Physics B: Lasers and Optics, 2009, 94, 399-401.	1.1	3
177	80 kHz repetition rate high power fiber amplifier flat-top pulse pumped OPCPA based on BIB_3O_6. Optics Express, 2009, 17, 2508.	1.7	11
178	High energy ultrashort pulses via hollow fiber compression of a fiber chirped pulse amplification system. Optics Express, 2009, 17, 3913.	1.7	45
179	Ultra-wide parametric amplification at 800 nm toward octave spanning. Optics Express, 2009, 17, 5153.	1.7	13
180	Generation of flattop pump pulses for OPCPA by coherent pulse stacking with fiber Bragg gratings. Optics Express, 2009, 17, 16332.	1.7	10

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181	Compact fiber amplifier pumped OPCPA system delivering Gigawatt peak power 35 fs pulses. Optics Express, 2009, 17, 24130.	1.7	5
182	2 GW peak-power 29 fs pulses delivered by 30 kHz fiber chirped pulse amplifier pumped optical parametric amplifier. , 2009, , .		0
183	Femtosecond fiber CPA system with 325W average power. Proceedings of SPIE, 2009, , .	0.8	0
184	Millijoule Pulse Energy High Repetition Rate Femtosecond Fiber CPA System: Results, Micromachining Application and Scaling Potential. Springer Series in Chemical Physics, 2009, , 744-746.	0.2	0
185	325 W average power of femtosecond pulses from a fiber laser system. , 2009, , .		0
186	High time for fibers " towards kW class laser systems with GW peak power. , 2009, , .		0
187	High peak power flat-top picosecond pulses for parametric amplification. , 2009, , .		0
188	Peak Power Scaling towards Ultrashort Pulses at High Repetition Rates. , 2009, , .		1
189	2 MHz repetition rate - 15 fs fiber amplifier pumped optical parametric amplifier. Springer Series in Chemical Physics, 2009, , 798-800.	0.2	0
190	Single-polarization ultra-large-mode-area Yb-doped photonic crystal fiber. Optics Express, 2008, 16, 3918.	1.7	84
191	500 MW peak power degenerated optical parametric amplifier delivering 52 fs pulses at 97 kHz repetition rate. Optics Express, 2008, 16, 8981.	1.7	30
192	Degenerate optical parametric amplifier delivering sub 30 fs pulses with 2GW peak power. Optics Express, 2008, 16, 19812.	1.7	24
193	Sub 30 fs pulses from 2 MHz repetition rate fiber amplifier pumped optical parametric amplifier. Proceedings of SPIE, 2008, , .	0.8	0
194	Millijoule Pulse Energy High Repetition Rate Femtosecond Fiber CPA System. , 2008, , .		6
195	Gain limitations and consequences for short length fiber amplifiers. , 2008, , .		1
196	Single-polarization ultra-large-mode-area Yb-doped photonic crystal fiber. , 2008, , .		0
197	High repetition rate " sub 20 fs optical parametric amplifier pumped by high power fiber amplifier. , 2008, , .		0
198	Single-polarization large-mode-area Yb-doped photonic crystal fiber. , 2008, , .		0

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199	Millijoule pulse energy high repetition rate femtosecond fiber CPA system. , 2008, , .		1
200	Fiber laser pumped ultra-fast parametric amplifiers. , 2007, , .		0
201	Millijoule pulse energy Q-switched short-length fiber laser. Optics Letters, 2007, 32, 1551.	1.7	99
202	Millijoule pulse energy high repetition rate femtosecond fiber chirped-pulse amplification system. Optics Letters, 2007, 32, 3495.	1.7	286
203	Theoretical analysis of the gain bandwidth for noncollinear parametric amplification of ultrafast pulses. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2837.	0.9	40
204	Parametric amplification and compression to ultrashort pulse duration of resonant linear waves. Optics Express, 2007, 15, 5699.	1.7	10
205	High repetition rate fiber amplifier pumped sub-20 fs optical parametric amplifier. Optics Express, 2007, 15, 16729.	1.7	43
206	Extended single-mode photonic crystal fiber lasers. Optics Express, 2006, 14, 2715.	1.7	320
207	50 W, 50 fs pulses from a fiber laser system using nonlinear fiber compression. , 2006, , .		0
208	High power operation of a low-nonlinearity single polarization photonic crystal fiber. , 2006, , WA3.		2
209	High power Q-switched short-length fiber laser. , 2006, , .		0
210	High power extraction from a low-nonlinearity PCF. , 2006, , .		0
211	60-fs pulses with 1 $\hat{1}$ /4J pulse energy generated by nonlinear compression of a short-pulse fiber laser. , 2006, , .		0
212	131 W 220 fs fiber laser system. Optics Letters, 2005, 30, 2754.	1.7	177