

Oleg Pronin

List of Publications by Year in descending order

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61
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docs citations

62
times ranked

1689
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Kerr Lens Mode-Locked Yb:YAG Thin-Disk Oscillator. <i>Ultrafast Science</i> , 2022, 2022, .	11.2	13
2	Multipass spectral broadening and compression in the green spectral range. <i>Optics Letters</i> , 2022, 47, 1246-1249.	3.3	5
3	Dual-comb thin-disk oscillator. <i>Nature Communications</i> , 2022, 13, 2584.	12.8	16
4	100 MW Thin-Disk Oscillator. , 2021, , .		3
5	Kerr-lens modelocked Cr:ZnS oscillator for spectroscopy and microscopy applications. , 2021, , .		0
6	Field-resolved infrared spectroscopy of biological systems. <i>Nature</i> , 2020, 577, 52-59.	27.8	170
7	Self-compression at 1 μ m wavelength in all-bulk multi-pass geometry. <i>Applied Physics B: Lasers and Optics</i> , 2020, 126, 1.	2.2	28
8	Generation of broadband THz transients via metallic spintronic emitters driven by 20-fs pulses at 1030 nm. , 2020, , .		0
9	High-Power 50-MHz Source of Waveform-Stable, Multi-Octave Infrared Pulses. , 2019, , .		0
10	Carrier-Envelope-Offset Frequency Stable 100 W-Level Femtosecond Thin-Disk Oscillator. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800256.	8.7	17
11	Field-Resolved Infrared Spectroscopy of Biological Samples. , 2019, , .		1
12	2/3 octave Si/SiO ₂ infrared dispersive mirrors open new horizons in ultrafast multilayer optics. <i>Optics Express</i> , 2019, 27, 55.	3.4	11
13	Directly diode-pumped, Kerr-lens mode-locked, few-cycle Cr:ZnSe oscillator. <i>Optics Express</i> , 2019, 27, 24445.	3.4	38
14	Efficient femtosecond mid-infrared generation based on a Cr:ZnS oscillator and step-index fluoride fibers. <i>Optics Letters</i> , 2019, 44, 2390.	3.3	32
15	Broadband mid-infrared coverage (2 μ m to 17 μ m) with few-cycle pulses via cascaded parametric processes. <i>Optics Letters</i> , 2019, 44, 2566.	3.3	43
16	Intra-pulse difference-frequency generation of mid-infrared (27 μ m to 20 μ m) by random quasi-phase-matching. <i>Optics Letters</i> , 2019, 44, 2986.	3.3	35
17	Kerr-lens mode-locked thin-disk oscillator with 50% output coupling rate. <i>Optics Letters</i> , 2019, 44, 4227.	3.3	15
18	Multi-mW, few-cycle mid-infrared continuum spanning from 500 to 2250 μ m. <i>Light: Science and Applications</i> , 2018, 7, 17180-17180.	16.6	85

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19	High-Power, High-Efficiency Tm:YAG and Ho:YAG Thin-Disk Lasers. Laser and Photonics Reviews, 2018, 12, 1700273.	8.7	48
20	Multi-watt, multi-octave, mid-infrared femtosecond source. Science Advances, 2018, 4, eaaq1526.	10.3	86
21	Kerr-Lens Mode-Locked 2- μ m Thin-Disk Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-11.	2.9	14
22	All-solid-state multipass spectral broadening to sub-20-fs. Optics Letters, 2018, 43, 4643.	3.3	96
23	Efficient High-Power Ultrashort Pulse Compression in Self-Defocusing Bulk Media. Scientific Reports, 2017, 7, 1410.	3.3	44
24	Dielectric optical coatings at high peak intensities. , 2017, , .		0
25	Towards active multipass Kerr-lens mode-locked Yb:YAG thin-disk oscillators. , 2017, , .		2
26	1-kW, 200-mJ picosecond thin-disk laser system. Optics Letters, 2017, 42, 1381.	3.3	195
27	Synthesis, fabrication and characterization of a highly-dispersive mirrors for the 2 μ m spectral range. Optics Express, 2017, 25, 10234.	3.4	12
28	Active intensity noise suppression for a broadband mid-infrared laser source. Optics Express, 2017, 25, 22499.	3.4	15
29	Generation of 220 fs, 20 W pulses at 2 μ m from Kerr-lens mode-locked Ho:YAG thin-disk oscillator. , 2017, , .		2
30	270 fs, 30-W-level Kerr-lens mode-locked Ho:YAG thin-disk oscillator at 2 μ m. , 2017, , .		0
31	Kerr effect in multilayer dielectric coatings. Optics Express, 2016, 24, 21802.	3.4	20
32	1.3 W femtosecond mid-IR source at 8.5 μ m wavelength. , 2016, , .		1
33	Carrier-envelope-phase stabilization via dual wavelength pumping. Optics Letters, 2016, 41, 1853.	3.3	14
34	All solid-state spectral broadening: an average and peak power scalable method for compression of ultrashort pulses. Optics Express, 2016, 24, 9412.	3.4	80
35	Powerful 100-fs-scale Kerr-lens mode-locked thin-disk oscillator. Optics Letters, 2016, 41, 3567.	3.3	87
36	High-power, 1-ps, all-Yb:YAG thin-disk regenerative amplifier. Optics Letters, 2016, 41, 1126.	3.3	54

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37	mW femtosecond mid-IR source at 8.5 μ m wavelength. , 2016, , .		0
38	Compressing μ J-level pulses from 250â€‰fs to sub-10â€‰fs at 38-MHz repetition rate using two gas-filled hollow-core photonic crystal fiber stages. Optics Letters, 2015, 40, 1238.	3.3	64
39	High-power sub-two-cycle mid-infrared pulses at 100â€‰MHz repetition rate. Nature Photonics, 2015, 9, 721-724.	31.4	248
40	Highly-dispersive mirrors reach new levels of dispersion. Optics Express, 2015, 23, 13788.	3.4	22
41	260-megahertz, megawatt-level thin-disk oscillator. Optics Letters, 2015, 40, 1627.	3.3	21
42	Watt-level Megahertz-rate Femtosecond Mid-Infrared Source. , 2015, , .		1
43	Generation of 49-fs pulses directly from distributed Kerr-lens mode-locked Yb:YAG thin-disk oscillator. , 2015, , .		7
44	New Levels of Dispersion of Highly Dispersive Mirrors. , 2015, , .		0
45	Dual frequency comb spectroscopy with a single laser. Optics Letters, 2014, 39, 5471.	3.3	25
46	Energy scaling of Kerr-lens mode-locked thin-disk oscillators. Optics Letters, 2014, 39, 6442.	3.3	144
47	Power and energy scaling of Kerr-lens mode-locked thin-disk oscillators. Proceedings of SPIE, 2014, , .	0.8	1
48	High photon flux table-top coherent extreme-ultraviolet source. Nature Photonics, 2014, 8, 779-783.	31.4	144
49	Third-generation femtosecond technology. Optica, 2014, 1, 45.	9.3	302
50	Kerr-Lens Mode-Locked Thin-Disk Oscillator. Springer Theses, 2014, , 53-81.	0.1	0
51	Towards Ultrashort CE Phase Stable Pulses. Springer Theses, 2014, , 83-97.	0.1	0
52	XUV Output Coupler and XUV/IR Grazing-Incidence Beam Splitter. Springer Theses, 2014, , 99-114.	0.1	0
53	SESAM Mode-Locked Thin-Disk Oscillator. Springer Theses, 2014, , 33-52.	0.1	0
54	High Harmonic Generation of Fiber Laser Systems with more than 100 μ W Average Power per Harmonic. , 2014, , .		0

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55	High-power Kerr-lens mode-locked thin-disk oscillator in the anomalous and normal dispersion regimes. , 2013, , .		1
56	High-power Kerr-lens mode-locked Yb:YAG thin-disk oscillator in the positive dispersion regime. Optics Letters, 2012, 37, 3543.	3.3	36
57	Pump-seed synchronization for MHz repetition rate, high-power optical parametric chirped pulse amplification. Optics Express, 2012, 20, 9833.	3.4	26
58	High-dispersive mirrors for high power applications. Optics Express, 2012, 20, 4503.	3.4	36
59	Ultrabroadband efficient intracavity XUV output coupler. Optics Express, 2011, 19, 10232.	3.4	56
60	High-power 200 fs Kerr-lens mode-locked Yb:YAG thin-disk oscillator. Optics Letters, 2011, 36, 4746.	3.3	138
61	Kerr-Lens Mode-Locked High-Power Thin-Disk Oscillators. , 0, , .		0