Norbert Modsching

List of Publications by Year
in descending order

37	664	567281 15	677142 22
papers	citations	h-index	g-index

37	37	37	463
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient few-cycle Yb-doped laser oscillator with Watt-level average power. Optics Express, 2022, 30, 2528.	3.4	16
2	High Harmonic Generation Inside Thin-Disk Laser Oscillators â€“ An Efficient and Single-Stage XUV Source. , 2022, , .		0
3	69 W average power sub-100-fs Yb:YAG thin-disk laser. , 2021, , .		1
4	Intra-Cavity Broadband THz Generation Inside a Diode-Pumped Solid-State Laser Oscillator. , 2021, , .		0
5	Intra-oscillator high harmonic generation in a thin-disk laser operating in the 100-fs regime. Optics Express, 2021, 29, 5833.	3.4	21
6	High-power dual-comb thin-disk laser oscillator for fast high-resolution spectroscopy. Optics Express, 2021, 29, 15104.	3.4	25
7	69-W Sub-100-fs Yb:YAG Thin-Disk Laser Oscillator. , 2021, , .		1
8	Intra-oscillator broadband THz generation in a compact ultrafast diode-pumped solid-state laser. Optics Express, 2021, 29, 23729.	3.4	7
9	Sub-30-fs Yb:YAG thin-disk laser oscillator operating in the strongly self-phase modulation broadened regime. Optics Express, 2021, 29, 35929.	3.4	24
10	10-ÂµW, 30-eV High Harmonic Generation inside an Yb:YAG Thin-Disk Laser Oscillator. , 2021, , .		0
11	Powerful Sub-40-fs Yb:YAG Thin-Disk Laser Oscillator Operating in the Regime of Strong Self-Phase Modulation. , 2021, , .		0
12	Efficient 100-MW, 100-W, 50-fs-class Yb:YAG thin-disk laser oscillator. Optics Express, 2021, 29, 42075.	3.4	21
13	Carrier-Envelope Offset Frequency Stabilization of a Thin-Disk Laser Oscillator via Depletion Modulation. IEEE Photonics Journal, 2020, 12, 1-9.	2.0	6
14	Yb.CALGO Oscillator Generates 31-fs Pulses with 389 mW at 29% Efficiency by Cross-Polarized Optical Pumping. , 2020, , .		1
15	Intra-Oscillator High Harmonic Generation in a ~100-fs Kerr-Lens Mode-Locked Yb:YAG Thin-Disk Laser. , 2020, , .		0
16	High Harmonic Generation Inside an Ultrafast Kerr-Lens Mode-Locked Thin-Disk Laser Oscillator. , 2020, , .		0
17	Intra-Oscillator High Harmonic Generation in a -100-fs Kerr-Lens Mode-Locked Thin-Disk Laser. , 2020, , .		0
18	XUV Sources Based on Intra-Oscillator High Harmonic Generation With Thin-Disk Lasers: Current Status and Prospects. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-19.	2.9	12

#	Article	IF	Citations
19	Optical rectification of ultrafast Yb lasers: pushing power and bandwidth of terahertz generation in GaP. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 3039.	2.1	14
20	Sub-100-fs Kerr lens mode-locked Yb:Lu₂O₃ thin-disk laser oscillator operating at 21 W average power. Optics Express, 2019, 27, 16111.	3.4	29
21	New horizons for high power broadband THz sources driven by ultrafast Yb-based thin-disk laser oscillators. , 2019, , .		0
22	21 W average power sub-100-fs Yb:Lu2O3 thin-disk laser. , 2019, , .		0
23	Kerr lens mode-locked Yb:CALGO thin-disk laser. Optics Letters, 2018, 43, 879.	3.3	37
24	Broadband terahertz pulse generation driven by an ultrafast thin-disk laser oscillator. Optics Express, 2018, 26, 26377.	3.4	24
25	Carrier-envelope offset frequency stabilization of a thin-disk laser oscillator operating in the strongly self-phase modulation broadened regime. Optics Express, 2018, 26, 28461.	3.4	8
26	Frequency Comb Stabilization of a 50-fs Thin-Disk Laser Oscillator Operating in a Strongly SPM-broadened Regime. , 2018, , .		1
27	Generation of 35-fs pulses from a Kerr lens mode-locked Yb:Lu_2O_3 thin-disk laser. Optics Express, 2017, 25, 14918.	3.4	65
28	Extreme ultraviolet light source at a megahertz repetition rate based on high-harmonic generation inside a mode-locked thin-disk laser oscillator. Optics Letters, 2017, 42, 5170.	3.3	39
29	Wavelength dependence of maximal diffraction-limited output power of fiber lasers. Proceedings of SPIE, 2015, , .	0.8	2
30	Recent progress in the understanding of mode instabilities. Proceedings of SPIE, 2015, , .	0.8	2
31	Impact of photodarkening on the mode instability threshold. Optics Express, 2015, 23, 15265.	3.4	135
32	The impact of photodarkening on mode instabilities in high-power fiber laser systems. , 2014, , .		3
33	Wavelength Dependence of Maximal Diffraction-Limited Output Power of Fiber Lasers. , 2014, , .		10
34	Optical properties of unprotected and protected sputtered silver films: Surface morphology vs. UV/VIS reflectance. Advanced Optical Technologies, 2014, 3, 91-102.	1.7	29
35	2â€‰â€‰kW average power from a pulsed Yb-doped rod-type fiber amplifier. Optics Letters, 2014, 39, 6446.	3.3	56
36	Q-switched thulium-doped photonic crystal fiber laser. Optics Letters, 2012, 37, 1664.	3.3	25

#	Article	IF	Citations
37	Lasing in thulium-doped polarizing photonic crystal fiber. Optics Letters, 2011, 36, 3873.	3.3	50