Tobias Kroh

List of Publications by Year
in descending order

17 papers	277 citations	1307594 7 h-index	1720034 7 g-index
17 all docs	17 docs citations	17 times ranked	388 citing authors

#	Article	IF	Citations
1	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.	3.4	8
2	Compact THz Photogun Transversely Pumped By Twin Single-Cycle Pulses. , 2021, , .		0
3	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.	2.1	0
4	THz-Enhanced DC Ultrafast Electron Diffractometer. Ultrafast Science, 2021, 2021, .	11.2	15
5	Full 3Dâ€‰+â€‰1 modeling of tilted-pulse-front setups for single-cycle terahertz generation. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1000.	2.1	13
6	Robust optimization of single-cycle THz setups based on phase-matching via tilted pulse fronts using an incident-fluence metric. , 2020, , .		1
7	Femtosecond 85â€‰â€‰Î¼m source based on intrapulse difference-frequency generation of 21â€‰â€‰Î¼m pulses. Optics Letters, 2018, 43, 1335.	3.3	36
8	Enhanced high-harmonic generation up to the soft X-ray region driven by mid-infrared pulses mixed with their third harmonic. Optics Express, 2018, 26, 16955.	3.4	24
9	A Femtosecond 8.5 Î¼m Source Based on Intrapulse Difference-Frequency Generation of 2.1 Î¼m Pulses. , 2018, , .		0
10	High-energy mid-infrared sub-cycle pulse synthesis from a parametric amplifier. Nature Communications, 2017, 8, 141.	12.8	125
11	High-energy mid-infrared sub-cycle pulse synthesis. , 2017, , .		0
12	Narrowband THz generation via chirp-and-delay in PPLN. , 2017, , .		0
13	A CEP-stable, femtosecond 8.5 Î¼m source based on intrapulse DFG of 2.1 Î¼m pulses. , 2017, , .		0
14	Narrowband Terahertz Generation with Broadband Chirped Pulse Trains in Periodically Poled Lithium Niobate. , 2017, , .		0
15	Narrowband terahertz generation with chirped-and-delayed laser pulses in periodically poled lithium niobate. Optics Letters, 2017, 42, 2118.	3.3	55
16	High-harmonic generation in solids using a mid-infrared sub-cycle pulse synthesizer. , 2017, , .		0
17	Pulse-train pumping for efficient narrowband terahertz generation in periodically poled lithium niobate. , 2016, , .		0