

Xinglong Xie

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

126
citations

1478505

6
h-index

1281871

11
g-index

17
all docs

17
docs citations

17
times ranked

112
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and construction status of SG-II 5PW laser facility. High Power Laser Science and Engineering, 2018, 6, .	4.6	38
2	Design and experimental demonstration of a high conversion efficiency OPCPA pre-amplifier for petawatt laser facility. High Power Laser Science and Engineering, 2018, 6, .	4.6	17
3	Dynamic chromatic aberration pre-compensation scheme for ultrashort petawatt laser systems. Optics Express, 2019, 27, 16812.	3.4	15
4	Systematic study of spatiotemporal influences on temporal contrast in the focal region in large-aperture broadband ultrashort petawatt lasers. High Power Laser Science and Engineering, 2018, 6, .	4.6	12
5	Ultra-broadband high conversion efficiency optical parametric chirped-pulse amplification based on YCOB crystals. Optics Express, 2020, 28, 11645.	3.4	11
6	Broadband main OPCPA amplifier at 808nm wavelength in high deuterated DKDP crystals. Optics Letters, 2018, 43, 5713.	3.3	8
7	Stretcher Design for the SGII Petawatt Upgrade Laser Facility. The Review of Laser Engineering, 2008, 36, 1053-1055.	0.0	5
8	Output temporal contrast simulation of a large aperture high power short pulse laser system. High Power Laser Science and Engineering, 2014, 2, .	4.6	5
9	Temporal contrast enhancement of ultrashort pulses using a spatiotemporal plasma-lens filter. Optics Letters, 2020, 45, 2279.	3.3	5
10	Independent and continuous third-order dispersion compensation using a pair of prisms. High Power Laser Science and Engineering, 2014, 2, .	4.6	4
11	Experimental demonstration of 1011 temporal contrast in pure nanosecond optical parametric chirped pulse amplifiers. Applied Optics, 2021, 60, 2056.	1.8	2
12	The influence of output pulse spectral shape and bandwidth on pulse contrast in the chirped pulse amplification. Optik, 2014, 125, 1448-1450.	2.9	1
13	Sensitivity enhancement in photothermal interferometry by balanced detection of complex response to moving excitation. Optics Letters, 2021, 46, 2976-2979.	3.3	1
14	Single-Shot Temporal Contrast Enhancement Measurement of a Plasma Mirror by a Chirped Pulse. Applied Sciences (Switzerland), 2021, 11, 9967.	2.5	1
15	A laser wakefield acceleration facility using SG-II petawatt laser system. Review of Scientific Instruments, 2022, 93, 033504.	1.3	1
16	Theoretical and experimental studies on a compact stretcher with large spectral bandwidth and high transmission efficiency. Optik, 2014, 125, 5225-5228.	2.9	0
17	Numerical Investigation of Phase-Conjugate Wave Generation as a Pulse Cleaner in Femtosecond Petawatt Laser Systems. IEEE Photonics Journal, 2019, 11, 1-18.	2.0	0