

Ping Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,062
citations

933447

10
h-index

752698

20
g-index

30
all docs

30
docs citations

30
times ranked

1106
citing authors

#	ARTICLE	IF	CITATIONS
1	Petawatt and exawatt class lasers worldwide. High Power Laser Science and Engineering, 2019, 7, .	4.6	574
2	Low-dose, simple, and fast grating-based X-ray phase-contrast imaging. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13576-13581.	7.1	208
3	Status and development of high-power laser facilities at the NLHPLP. High Power Laser Science and Engineering, 2018, 6, .	4.6	74
4	Analysis and construction status of SG-II 5PW laser facility. High Power Laser Science and Engineering, 2018, 6, .	4.6	38
5	Highly reliable measurement of ultrashort laser pulses. Journal of Applied Physics, 2020, 128, .	2.5	31
6	Complete measurement of spatiotemporally complex multi-spatial-mode ultrashort pulses from multimode optical fibers using delay-scanned wavelength-multiplexed holography. Optics Express, 2017, 25, 24015.	3.4	21
7	Characteristics of solar-irradiance spectra from measurements, modeling, and theoretical approach. Light: Science and Applications, 2022, 11, 79.	16.6	21
8	A model of plasma source ion implantation for inner surface modification. Journal Physics D: Applied Physics, 1996, 29, 274-276.	2.8	15
9	Dynamic chromatic aberration pre-compensation scheme for ultrashort petawatt laser systems. Optics Express, 2019, 27, 16812.	3.4	15
10	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
11	Ultra-broadband high conversion efficiency optical parametric chirped-pulse amplification based on YCOB crystals. Optics Express, 2020, 28, 11645.	3.4	11
12	Broadband main OPCPA amplifier at 808nm wavelength in high deuterated DKDP crystals. Optics Letters, 2018, 43, 5713.	3.3	8
13	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
14	Introduction to SG-II 5 PW Laser Facility. , 2016, , .		5
15	Temporal contrast enhancement of ultrashort pulses using a spatiotemporal plasma-lens filter. Optics Letters, 2020, 45, 2279.	3.3	5
16	Observation System Design and Analysis for a New Staring Earth Radiation Budget Radiometer Based on the Lagrange L1 Point of the Earth-Moon System. Remote Sensing, 2022, 14, 1596.	4.0	5
17	Multi petawatt laser design for the SHENGUANG II laser facility. Proceedings of SPIE, 2015, , .	0.8	4
18	Accuracy measurements of large-aperture femtosecond laser pulses in multipetawatt laser facility. Optical Engineering, 2018, 57, 1.	1.0	3

#	ARTICLE	IF	CITATIONS
19	The Measurement of Ultrashort Laser Pulses. , 2018, , .		2
20	Picosecond frequency-resolved optical gating based on a modified ptychographic-based algorithm for use in a petawatt laser. Optical Engineering, 2020, 59, 1.	1.0	2
21	Single-Shot Temporal Contrast Enhancement Measurement of a Plasma Mirror by a Chirped Pulse. Applied Sciences (Switzerland), 2021, 11, 9967.	2.5	1
22	Ultrashort Laser Pulse Spatiotemporal Profile Manipulation using a Single-Mode-Few-Mode Optical Fiber Device. Journal of the Optical Society of America B: Optical Physics, 0, , .	2.1	1
23	A laser wakefield acceleration facility using SG-II petawatt laser system. Review of Scientific Instruments, 2022, 93, 033504.	1.3	1
24	Analysis of temporal contrast degradation due to wave front deviation in large aperture ultra-short pulse focusing system. Proceedings of SPIE, 2014, , .	0.8	0
25	Real-time spatiotemporal measurement of ultrafast fields from multimode optical fibers. , 2017, , .		0
26	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
27	Influence of Wave-Front Error on Temporal Signal-to-Noise Ratio in Large Aperture Ultrashort Pulse Focusing System. Guangxue Xuebao/Acta Optica Sinica, 2014, 34, 1032001.	1.2	0
28	Time-Range-Extended Spatiotemporal Measurement Technique for Multi-Mode Fiber Pulses. , 2017, , .		0
29	High Conversion Efficiency Optical Parametric Amplifiers for SG-II 5PW Laser System. , 2018, , .		0
30	On target contrast ratio study for petawatt level femtosecond laser system. , 2019, , .		0