

Cheng Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10810594/publications.pdf>

Version: 2024-02-01

23
papers

602
citations

687363

13
h-index

996975

15
g-index

23
all docs

23
docs citations

23
times ranked

740
citing authors

#	ARTICLE	IF	CITATIONS
1	High-order multiphoton Thomson scattering. Nature Photonics, 2017, 11, 514-520.	31.4	169
2	High-contrast 116ÅPW Ti:sapphire laser system combined with a doubled chirped-pulse amplification scheme and a femtosecond optical-parametric amplifier. Optics Letters, 2011, 36, 3194.	3.3	118
3	Generation of 9â€‰MeV β -rays by all-laser-driven Compton scattering with second-harmonic laser light. Optics Letters, 2014, 39, 4132.	3.3	59
4	Contrast enhancement in a Ti:sapphire chirped-pulse amplification laser system with a noncollinear femtosecond optical-parametric amplifier. Optics Letters, 2010, 35, 3096.	3.3	34
5	Enhanced K_{α} output of Ar and Kr using size optimized cluster target irradiated by high-contrast laser pulses. Optics Express, 2011, 19, 25812.	3.4	32
6	Electron acceleration via high contrast laser interacting with submicron clusters. Applied Physics Letters, 2012, 100, .	3.3	32
7	Compact source of narrowband and tunable X-rays for radiography. Nuclear Instruments & Methods in Physics Research B, 2015, 350, 106-111.	1.4	26
8	Adaptive-feedback spectral-phase control for interactions with transform-limited ultrashort high-power laser pulses. Optics Letters, 2014, 39, 80.	3.3	25
9	Extracting the plastic properties of metal materials from microindentation tests: Experimental comparison of recently published methods. Journal of Materials Research, 2007, 22, 1512-1519.	2.6	22
10	Electron Trapping from Interactions between Laser-Driven Relativistic Plasma Waves. Physical Review Letters, 2018, 121, 104801.	7.8	21
11	Exploring extreme particle density and size for blue photoluminescence from as-deposited amorphous Si-in-SiNx films. Applied Physics Letters, 2005, 86, 223111.	3.3	16
12	Repetitive petawatt-class laser with near-diffraction-limited focal spot and transform-limited pulse duration. Proceedings of SPIE, 2013, , .	0.8	16
13	Shielded radiography with a laser-driven MeV-energy X-ray source. Nuclear Instruments & Methods in Physics Research B, 2016, 366, 217-223.	1.4	16
14	Wavefront-correction for nearly diffraction-limited focusing of dual-color laser beams to high intensities. Optics Express, 2014, 22, 26947.	3.4	8
15	Control over high peak-power laser light and laser-driven X-rays. Optics Communications, 2018, 412, 141-145.	2.1	5
16	Adaptive Spectral-phase Control for Laser Wakefield Electron Acceleration. , 2014, , .		1
17	1.16 PW sub-30fs Ti:sapphire laser system of seeding with optical parametrical amplified femtosecond laser. , 2011, , .		1
18	Push contrast ratio to 1010 in femtosecond Ti:sapphire amplifier with a non-collinear optical parametric amplifier. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	Break Ti:sapphire laser power to petawatt with high contrast ratio. , 2012, , .		0
20	High-contrast PW Ti:Sapphire laser system with a combined scheme of doubled CPA and NOPA. , 2013, , .		0
21	Photonuclear and radiography applications of narrowband, multi-MeV all-optical Thomson x-ray source. , 2015, , .		0
22	1.16 PW sub-30fs Ti:sapphire laser system of seeding with optical parametrical amplified femtosecond laser. , 2011, , .		0
23	Generation of high contrast ultrashort intense 1053nm laser based on non-collinear optical parametric amplification. , 2012, , .		0