Cheng Liu

List of Publications by Year
in descending order

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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	Control over high peak-power laser light and laser-driven X-rays. Optics Communications, 2018, 412, 141-145.	2.1	5
2	Electron Trapping from Interactions between Laser-Driven Relativistic Plasma Waves. Physical Review Letters, 2018, 121, 104801.	7.8	21
3	High-order multiphoton Thomson scattering. Nature Photonics, 2017, 11, 514-520.	31.4	169
4	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
5	Photonuclear and radiography applications of narrowband, multi-MeV all-optical Thomson x-ray source. , 2015, , .		0
6	Compact source of narrowband and tunable X-rays for radiography. Nuclear Instruments & Methods in Physics Research B, 2015, 350, 106-111.	1.4	26
7	Adaptive Spectral-phase Control for Laser Wakefield Electron Acceleration. , 2014, , .		1
8	Wavefront-correction for nearly diffraction-limited focusing of dual-color laser beams to high intensities. Optics Express, 2014, 22, 26947.	3.4	8
9	Generation of 9â€‰â€‰MeV Î³-rays by all-laser-driven Compton scattering with second-harmonic laser light. Optics Letters, 2014, 39, 4132.	3.3	59
10	Adaptive-feedback spectral-phase control for interactions with transform-limited ultrashort high-power laser pulses. Optics Letters, 2014, 39, 80.	3.3	25
11	High-contrast PW Ti:Sapphire laser system with a combined scheme of doubled CPA and NOPA. , 2013, , .		0
12	Repetitive petawatt-class laser with near-diffraction-limited focal spot and transform-limited pulse duration. Proceedings of SPIE, 2013, , .	0.8	16
13	Break Ti:sapphire laser power to petawatt with high contrast ratio. , 2012, , .		0
14	Electron acceleration via high contrast laser interacting with submicron clusters. Applied Physics Letters, 2012, 100, .	3.3	32
15	Generation of high contrast ultrashort intense 1053nm laser based on non-collinear optical parametric amplification. , 2012, , .		0
16	Enhanced K_Î± output of Ar and Kr using size optimized cluster target irradiated by high-contrast laser pulses. Optics Express, 2011, 19, 25812.	3.4	32
17	High-contrast 116ÂPW 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
18	1.16 PW sub-30fs Ti:sapphire laser system of seeding with optical parametrical amplified femtosecond laser. , 2011, , .		1

#	Article	IF	Citations
19	1.16 PW sub-30fs Ti:sapphire laser system of seeding with optical parametrical amplified femtosecond laser. , 2011, , .		0
20	Push contrast ratio to 1010 in femtosecond Ti:sapphire amplifier with a non-collinear optical parametric amplifier. , 2011, , .		1
21	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
22	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
23	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