

Calin Hojbota

List of Publications by Year in descending order

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17
papers

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1307594

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12
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19
all docs

19
docs citations

19
times ranked

281
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser wakefield electron acceleration with PW lasers and future applications. Journal of the Korean Physical Society, 2022, 80, 670-683.	0.7	1
2	Strong field physics pursued with petawatt lasers. AAPPs Bulletin, 2021, 31, 1.	6.1	6
3	Multi-GeV Laser Wakefield Electron Acceleration with PW Lasers. Applied Sciences (Switzerland), 2021, 11, 5831.	2.5	16
4	Influence of polarization on back-reflected e^+e^- pair jets from laser-electron collision. Plasma Physics and Controlled Fusion, 2020, 62, 024003.	2.1	2
5	Electrostatic shock acceleration of ions in near-critical-density plasma driven by a femtosecond petawatt laser. Scientific Reports, 2020, 10, 18452.	3.3	12
6	Electron energy increase in a laser wakefield accelerator using up-ramp plasma density profiles. Scientific Reports, 2019, 9, 11249.	3.3	10
7	Proof-of-Principle Experiment for Nanoparticle-Assisted Laser Wakefield Electron Acceleration. Physical Review Applied, 2019, 12, .	3.8	16
8	Accurate single-shot measurement technique for the spectral distribution of GeV electron beams from a laser wakefield accelerator. AIP Advances, 2019, 9, .	1.3	7
9	Quasi-monoenergetic multi-GeV electron acceleration by optimizing the spatial and spectral phases of PW laser pulses. Plasma Physics and Controlled Fusion, 2018, 60, 064007.	2.1	14
10	Effect of the temporal laser pulse asymmetry on pair production processes during intense laser-electron scattering. Plasma Physics and Controlled Fusion, 2018, 60, 064004.	2.1	4
11	Development of ultrashort x-ray/gamma-ray sources using ultrahigh power lasers (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10		
12	Stable multi-GeV electron accelerator driven by waveform-controlled PW laser pulses. Scientific Reports, 2017, 7, 10203.	3.3	69
13	Measurement of angularly dependent spectra of betatron gamma-rays from a laser plasma accelerator with quadrant-sectored range filters. Physics of Plasmas, 2016, 23, 073105.	1.9	7
14	A broadband gamma-ray spectrometry using novel unfolding algorithms for characterization of laser wakefield-generated betatron radiation. Review of Scientific Instruments, 2015, 86, 123116.	1.3	13
15	Laser-induced metallic nanograined thin films processing. , 2013, , .		0
16	Modelling migration in multilayer systems by a finite difference method: the spherical symmetry case. Journal of Physics: Conference Series, 2013, 454, 012006.	0.4	0
17	High order harmonic generation in dual gas multi-jets. , 2013, , .		0