

patrick Audebert

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3032235/publications.pdf>

Version: 2024-02-01

17
papers

939
citations

623734

14
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral broadening for multi-Joule pulse compression in the APOLLON Long Focal Area facility. High Power Laser Science and Engineering, 2022, 10, .	4.6	5
2	Characterization and performance of the Apollon short-focal-area facility following its commissioning at 1 PW level. Matter and Radiation at Extremes, 2021, 6, .	3.9	21
3	First commissioning results of the Apollon laser on the 1 PW beam line. , 2019, , .		7
4	Tracking the ultrafast XUV optical properties of x-ray free-electron-laser heated matter with high-order harmonics. Physical Review A, 2018, 97, .	2.5	16
5	High-contrast 10â€‰fs OPCPA-based front end for multi-PW laser chains. Optics Letters, 2017, 42, 3530.	3.3	47
6	The Apollon 10ÂPW laser: experimental and theoretical investigation of the temporal characteristics. High Power Laser Science and Engineering, 2016, 4, .	4.6	156
7	The scaling of electron and positron generation in intense laser-solid interactions. Physics of Plasmas, 2015, 22, .	1.9	37
8	Design and current progress of the ApollonÂ10ÂPWÂproject. High Power Laser Science and Engineering, 2015, 3, .	4.6	132
9	The creation of large-volume, gradient-free warm dense matter with an x-ray free-electron laser. Physics of Plasmas, 2015, 22, .	1.9	45
10	Spectroscopic studies of hard x-ray free-electron laser-heated foils at 10^{16} W/cm ² irradiances. Proceedings of SPIE, 2011, , .	0.8	1
11	Isochoric heating of solids by laser-accelerated protons: Experimental characterization and self-consistent hydrodynamic modeling. High Energy Density Physics, 2010, 6, 21-28.	1.5	56
12	Picosecond Short-Range Disorder in Isochorically Heated Aluminum at Solid Density. Physical Review Letters, 2010, 104, 035002.	7.8	75
13	Time and space resolved interferometry for laser-generated fast electron measurements. Review of Scientific Instruments, 2010, 81, 113302.	1.3	14
14	Energetic protons generated by ultrahigh contrast laser pulses interacting with ultrathin targets. Physics of Plasmas, 2007, 14, 030701.	1.9	92
15	Plasma-based studies with intense X-ray and particle beam sources. Laser and Particle Beams, 2002, 20, 527-536.	1.0	90
16	Single-shot spectral interferometry with chirped pulses. Optics Letters, 2001, 26, 1612.	3.3	104
17	Phase dynamics of reflected probe pulses from sub-100-fs laser-produced plasmas. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 118.	2.1	41