

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	The Apollon 10ÂPW laser: experimental and theoretical investigation of the temporal characteristics. High Power Laser Science and Engineering, 2016, 4, .	4.6	156
2	Design and current progress of the ApollonÂ10ÂPWÂproject. High Power Laser Science and Engineering, 2015, 3, .	4.6	132
3	Single-shot spectral interferometry with chirped pulses. Optics Letters, 2001, 26, 1612.	3.3	104
4	Energetic protons generated by ultrahigh contrast laser pulses interacting with ultrathin targets. Physics of Plasmas, 2007, 14, 030701.	1.9	92
5	Plasma-based studies with intense X-ray and particle beam sources. Laser and Particle Beams, 2002, 20, 527-536.	1.0	90
6	Picosecond Short-Range Disorder in Isochorically Heated Aluminum at Solid Density. Physical Review Letters, 2010, 104, 035002.	7.8	75
7	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
8	High-contrast 10â€‰%â€‰of OPCPA-based front end for multi-PW laser chains. Optics Letters, 2017, 42, 3530.	3.3	47
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	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
11	The scaling of electron and positron generation in intense laser-solid interactions. Physics of Plasmas, 2015, 22, .	1.9	37
12	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
13	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
14	Time and space resolved interferometry for laser-generated fast electron measurements. Review of Scientific Instruments, 2010, 81, 113302.	1.3	14
15	First commissioning results of the Apollon laser on the 1 PW beam line. , 2019, , .		7
16	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
17	Spectroscopic studies of hard x-ray free-electron laser-heated foils at 10^{16} Wcm ⁻² irradiances. Proceedings of SPIE, 2011, , .	0.8	1