

Brendan Kettle

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

244
citations

1040056

9
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric study of high-energy ring-shaped electron beams from a laser wakefield accelerator. <i>New Journal of Physics</i> , 2022, 24, 013017.	2.9	2
2	Transverse oscillating bubble enhanced laser-driven betatron X-ray radiation generation. <i>Scientific Reports</i> , 2022, 12, .	3.3	6
3	The data-driven future of high-energy-density physics. <i>Nature</i> , 2021, 593, 351-361.	27.8	52
4	Measurements of free-free absorption in warm dense aluminium. <i>Plasma Physics and Controlled Fusion</i> , 2021, 63, 074003.	2.1	0
5	A laserâ€‘plasma platform for photonâ€‘photon physics: the two photon Breitâ€‘Wheeler process. <i>New Journal of Physics</i> , 2021, 23, 115006.	2.9	11
6	Single-Shot Multi-KeV X-Ray Absorption Spectroscopy Using an Ultrashort Laser Wakefield Accelerator Source. , 2021, , .		0
7	Time-dependent effects in melting and phase change for laser-shocked iron. <i>Physical Review Research</i> , 2020, 2, .	3.6	9
8	Laser-wakefield accelerators for high-resolution X-ray imaging of complex microstructures. <i>Scientific Reports</i> , 2019, 9, 3249.	3.3	46
9	Single-Shot Multi-keV X-Ray Absorption Spectroscopy Using an Ultrashort Laser-Wakefield Accelerator Source. <i>Physical Review Letters</i> , 2019, 123, 254801.	7.8	30
10	Generation of electron high energy beams with a ring-like structure by a dual stage laser wakefield accelerator. , 2019, , .		1
11	Experimental measurements of the collisional absorption of XUV radiation in warm dense aluminium. <i>Physical Review E</i> , 2016, 94, 023203.	2.1	16
12	Investigation of the solidâ€‘liquid phase transition of carbon at 150Â‘Pa with spectrally resolved X-ray scattering. <i>High Energy Density Physics</i> , 2015, 14, 38-43.	1.5	4
13	<i>Physics of Plasmas</i> , 2015, 22, 056307.	1.9	14
14	Fast-electron refluxing effects on anisotropic hard-x-ray emission from intense laser-plasma interactions. <i>Physical Review E</i> , 2015, 91, 033107.	2.1	13
15	M-L band x-rays (3â€‘3.5 KeV) from palladium coated targets for isochoric radiative heating of thin foil samples. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 224002.	1.5	8
16	Fast electron propagation in Ti foils irradiated with sub-picosecond laser pulses at $\lambda > 1018 \text{ \AA}$. <i>Physics of Plasmas</i> , 2014, 21, 023113.	1.9	12
17	X-ray scattering from warm dense iron. <i>High Energy Density Physics</i> , 2013, 9, 573-577.	1.5	13
18	Electron refluxing and K-shell line emission from Ti foils irradiated with subpicosecond laser pulses at 527 nm. <i>Physical Review E</i> , 2012, 85, 056415.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Anomalous Two-Photon Compton Scattering. <i>New Journal of Physics</i> , 0, , .	2.9	1