Brendan Kettle

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9299929/publications.pdf

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19	244	1040056	996975
papers	citations	9	15
		h-index	g-index

20	20	20	400
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The data-driven future of high-energy-density physics. Nature, 2021, 593, 351-361.	27.8	52
2	Laser-wakefield accelerators for high-resolution X-ray imaging of complex microstructures. Scientific Reports, 2019, 9, 3249.	3.3	46
3	Single-Shot Multi-keV X-Ray Absorption Spectroscopy Using an Ultrashort Laser-Wakefield Accelerator Source. Physical Review Letters, 2019, 123, 254801.	7.8	30
4	Experimental measurements of the collisional absorption of XUV radiation in warm dense aluminium. Physical Review E, 2016, 94, 023203.	2.1	16
5	Physics of Plasmas, 2015, 22, 056307.	1.9	14
6	X-ray scattering from warm dense iron. High Energy Density Physics, 2013, 9, 573-577.	1.5	13
7	Fast-electron refluxing effects on anisotropic hard-x-ray emission from intense laser-plasma interactions. Physical Review E, 2015, 91, 033107.	2.1	13
8	Fast electron propagation in Ti foils irradiated with sub-picosecond laser pulses at Iλ2>1018â€‰Wcmâ¯2λ¼m2. Physics of Plasmas, 2014, 21, 023113.	1.9	12
9	A laserâ€“plasma platform for photonâ€“photon physics: the two photon Breitâ€“Wheeler process. New Journal of Physics, 2021, 23, 115006.	2.9	11
10	Time-dependent effects in melting and phase change for laser-shocked iron. Physical Review Research, 2020, 2, .	3.6	9
11	M-L band x-rays (3â€“3.5 KeV) from palladium coated targets for isochoric radiative heating of thin foil samples. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 224002.	1.5	8
12	Electron refluxing andK-shell line emission from Ti foils irradiated with subpicosecond laser pulses at 527 nm. Physical Review E, 2012, 85, 056415.	2.1	6
13	Transverse oscillating bubble enhanced laser-driven betatron X-ray radiation generation. Scientific Reports, 2022, 12, .	3.3	6
14	Investigation of the solidâ€“liquid phase transition of carbon at 150ÂGPa with spectrally resolved X-ray scattering. High Energy Density Physics, 2015, 14, 38-43.	1.5	4
15	Parametric study of high-energy ring-shaped electron beams from a laser wakefield accelerator. New Journal of Physics, 2022, 24, 013017.	2.9	2
16	Generation of electron high energy beams with a ring-like structure by a dual stage laser wakefield accelerator. , 2019, , .		1
17	Anomalous Two-Photon Compton Scattering. New Journal of Physics, 0, , .	2.9	1
18	Measurements of free-free absorption in warm dense aluminium. Plasma Physics and Controlled Fusion, 2021, 63, 074003.	2.1	0

#	Article	IF	Citations
19	Single-Shot Multi-Kev X-Ray Absorption Spectroscopy Using an Ultrashort Laser Wakefield Accelerator Source. , 2021, , .		0