

Chris Armstrong

List of Publications by Year in descending order

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12
papers

233
citations

1040056

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1199594

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all docs

12
docs citations

12
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimillijoule coherent terahertz bursts from picosecond laser-irradiated metal foils. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3994-3999.	7.1	87
2	Towards Terawatt-Scale Spectrally Tunable Terahertz Pulses via Relativistic Laser-Foil Interactions. Physical Review X, 2020, 10, .	8.9	25
3	Effect of rear surface fields on hot, refluxing and escaping electron populations via numerical simulations. High Power Laser Science and Engineering, 2019, 7, .	4.6	24
4	Evaluating laser-driven Bremsstrahlung radiation sources for imaging and analysis of nuclear waste packages. Journal of Hazardous Materials, 2016, 318, 694-701.	12.4	20
5	Bremsstrahlung emission profile from intense laser-solid interactions as a function of laser focal spot size. Plasma Physics and Controlled Fusion, 2019, 61, 034001.	2.1	17
6	Bremsstrahlung emission from high power laser interactions with constrained targets for industrial radiography. High Power Laser Science and Engineering, 2019, 7, .	4.6	15
7	Novel scintillator-based x-ray spectrometer for use on high repetition laser plasma interaction experiments. Review of Scientific Instruments, 2018, 89, 073502.	1.3	14
8	Development of Focusing Plasma Mirrors for Ultraintense Laser-Driven Particle and Radiation Sources. Quantum Beam Science, 2018, 2, 1.	1.2	13
9	Development of control mechanisms for a laser wakefield accelerator-driven bremsstrahlung x-ray source for advanced radiographic imaging. Plasma Physics and Controlled Fusion, 2020, 62, 124002.	2.1	11
10	Characterisation of a laser plasma betatron source for high resolution x-ray imaging. Plasma Physics and Controlled Fusion, 2021, 63, 084010.	2.1	3
11	Influence of spatial-intensity contrast in ultraintense laser-plasma interactions. Scientific Reports, 2022, 12, 1910.	3.3	3
12	Deconvolution of multi-Boltzmann x-ray distribution from linear absorption spectrometer via analytical parameter reduction. Review of Scientific Instruments, 2021, 92, 113102.	1.3	1