

G M Grittani

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

535
citations

1163117

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940533

16
g-index

25
all docs

25
docs citations

25
times ranked

844
citing authors

#	ARTICLE	IF	CITATIONS
1	Ring-shaped electron beams from laser-wakefield accelerator. , 2021, , .		0
2	On the electromagnetic-electron rings originating from the interaction of high-power short-pulse laser and underdense plasma. Physics of Plasmas, 2021, 28, 122104.	1.9	2
3	Polarity reversal of wakefields driven by ultrashort pulse laser. Physical Review E, 2020, 102, 053216.	2.1	1
4	TERESA Target Area at ELI Beamlines. Quantum Beam Science, 2020, 4, 37.	1.2	5
5	Plasma channel formation in the knife-like focus of laser beam. Journal of Plasma Physics, 2020, 86, .	2.1	3
6	Tomographic reconstruction algorithms for structured gas density profiles of the targets for laser wakefield acceleration. Measurement Science and Technology, 2020, 31, 085205.	2.6	2
7	ELI-ELBA: fundamental science investigations with high power lasers at ELI-Beamlines. , 2020, , .		2
8	Tomographic Reconstruction Algorithms for Laser Wakefield Acceleration Gas Targets. , 2020, , .		0
9	Characterization of supersonic and subsonic gas targets for laser wakefield electron acceleration experiments. Matter and Radiation at Extremes, 2019, 4, .	3.9	25
10	Electron acceleration at ELI-Beamlines: Towards high-energy and high-repetition rate accelerators. International Journal of Modern Physics A, 2019, 34, 1943010.	1.5	0
11	Wakefield excited by ultrashort laser pulses in near-critical density plasmas. , 2019, , .		1
12	HELL: High-Energy Electrons by Laser Light, a User-Oriented Experimental Platform at ELI Beamlines. Applied Sciences (Switzerland), 2018, 8, 1565.	2.5	7
13	Making pions with laser light. New Journal of Physics, 2018, 20, 073008.	2.9	5
14	Design and development of the HELL User Station for multi-disciplinary experiments. Proceedings of SPIE, 2017, , .	0.8	1
15	Stable femtosecond X-rays with tunable polarization from a laser-driven accelerator. Light: Science and Applications, 2017, 6, e17086-e17086.	16.6	42
16	Electron Rephasing in a Laser-Wakefield Accelerator. Physical Review Letters, 2015, 115, 155002.	7.8	63
17	Shock assisted ionization injection in laser-plasma accelerators. Scientific Reports, 2015, 5, 16310.	3.3	67
18	First experimental test of quadrupole lens-free multiple profile monitor technique for electron beam emittance measurement with a PW laser system. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Generation of neutral and high-density electron-positron pair plasmas in the laboratory. Nature Communications, 2015, 6, 6747.	12.8	252
20	Design and development of the HELL user station: beam transport, characterization, and shielding. , 2015, , .		1
21	High energy electrons from interaction with a structured gas-jet at FLAME. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 740, 257-265.	1.6	8
22	Acceleration with self-injection for an all-optical radiation source at LNF. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 202-209.	1.4	15
23	High energy electrons from interaction with a 10 mm gas-jet at FLAME. , 2013, , .		0
24	Laser-plasma acceleration and radiation sources for applications. , 2013, , .		0
25	Laser-driven generation of collimated ultra-relativistic positron beams. Plasma Physics and Controlled Fusion, 2013, 55, 124017.	2.1	33