G M Grittani

List of Publications by Year
in descending order

25	535	1163117 8	940533 16
papers	citations	h-index	g-index

25	25	25	844
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generation of neutral and high-density electronâ€“positron pair plasmas in the laboratory. Nature Communications, 2015, 6, 6747.	12.8	252
2	Shock assisted ionization injection in laser-plasma accelerators. Scientific Reports, 2015, 5, 16310.	3.3	67
3	Electron Rephasing in a Laser-Wakefield Accelerator. Physical Review Letters, 2015, 115, 155002.	7.8	63
4	Stable femtosecond X-rays with tunable polarization from a laser-driven accelerator. Light: Science and Applications, 2017, 6, e17086-e17086.	16.6	42
5	Laser-driven generation of collimated ultra-relativistic positron beams. Plasma Physics and Controlled Fusion, 2013, 55, 124017.	2.1	33
6	Characterization of supersonic and subsonic gas targets for laser wakefield electron acceleration experiments. Matter and Radiation at Extremes, 2019, 4, .	3.9	25
7	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
8	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
9	HELL: High-Energy Electrons by Laser Light, a User-Oriented Experimental Platform at ELI Beamlines. Applied Sciences (Switzerland), 2018, 8, 1565.	2.5	7
10	Making pions with laser light. New Journal of Physics, 2018, 20, 073008.	2.9	5
11	TERESA Target Area at ELI Beamlines. Quantum Beam Science, 2020, 4, 37.	1.2	5
12	Plasma channel formation in the knife-like focus of laser beam. Journal of Plasma Physics, 2020, 86, .	2.1	3
13	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
14	ELI-ELBA: fundamental science investigations with high power lasers at ELI-Beamlines. , 2020, , .		2
15	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
16	Design and development of the HELL user station: beam transport, characterization, and shielding. , 2015, , .		1
17	Design and development of the HELL User Station for multi-disciplinary experiments. Proceedings of SPIE, 2017, , .	0.8	1
18	Polarity reversal of wakefields driven by ultrashort pulse laser. Physical Review E, 2020, 102, 053216.	2.1	1

#	Article	IF	Citations
19	Wakefield excited by ultrashort laser pulses in near-critical density plasmas. , 2019, , .		1
20	High energy electrons from interaction with a 10 mm gas-jet at FLAME. , 2013, , .		0
21	Laser-plasma acceleration and radiation sources for applications. , 2013, , .		0
22	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
23	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
24	Ring-shaped electron beams from laser-wakefield accelerator. , 2021, , .		0
25	Tomographic Reconstruction Algorithms for Laser Wakefield Acceleration Gas Targets. , 2020, , .		0