M R Islam

List of Publications by Year in descending order

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23 papers	467 citations	840776 11 h-index	839539 18 g-index
23 all docs	23 docs citations	23 times ranked	551 citing authors

#	Article	IF	Citations
1	Three electron beams from a laser-plasma wakefield accelerator and the energy apportioning question. Scientific Reports, 2017, 7, 43910.	3.3	17
2	Towards Attosecond High-Energy Electron Bunches: Controlling Self-Injection in Laser-Wakefield Accelerators Through Plasma-Density Modulation. Physical Review Letters, 2017, 119, 044801.	7.8	47
3	Wide-angle electron beams from laser-wakefield accelerators. , 2017, , .		2
4	Practical considerations for the ion channel free-electron laser. Proceedings of SPIE, 2015, , .	0.8	2
5	Near-threshold electron injection in the laserâ€“plasma wakefield accelerator leading to femtosecond bunches. New Journal of Physics, 2015, 17, 093033.	2.9	37
6	Coherent radiation sources based on laser driven plasma waves. , 2015, , .		1
7	The ion channel free-electron laser with varying betatron amplitude. New Journal of Physics, 2014, 16, 093025.	2.9	18
8	Characterization of laser-driven single and double electron bunches with a permanent magnet quadrupole triplet and pepper-pot mask. New Journal of Physics, 2014, 16, 103006.	2.9	16
9	Dosimetry of very high energy electrons (VHEE) for radiotherapy applications: using radiochromic film measurements and Monte Carlo simulations. Physics in Medicine and Biology, 2014, 59, 5811-5829.	3.0	39
10	Self-focusing of a high-intensity laser in a collisional plasma under weak relativistic-ponderomotive nonlinearity. Physics of Plasmas, 2013, 20, 123103.	1.9	18
11	The role of the gas/plasma plume and self-focusing in a gas-filled capillary discharge waveguide for high-power laser-plasma applications. Physics of Plasmas, 2013, 20, .	1.9	7
12	Characterisation of electron beams from laser-driven particle accelerators. , 2013, , .		0
13	Femtosecond-kiloampere electron bunches in laser-plasma accelerators. , 2012, , .		0
14	High resolution electron beam measurements on the ALPHA-X laserâ€“plasma wakefield accelerator. Journal of Plasma Physics, 2012, 78, 393-399.	2.1	7
15	A tuneable ultra-compact high-power, ultra-short pulsed, bright gamma-ray source based on bremsstrahlung radiation from laser-plasma accelerated electrons. Journal of Applied Physics, 2012, 111, .	2.5	43
16	High resolution, single shot emittance measurement of relativistic electrons from laser-driven accelerator. Proceedings of SPIE, 2011, , .	0.8	2
17	Low Emittance, High Brilliance Relativistic Electron Beams from a Laser-Plasma Accelerator. Physical Review Letters, 2010, 105, 215007.	7.8	117
18	Photon acceleration in the amplified plasma density wake of two copropagating laser pulses. Physics of Plasmas, 2010, 17, 073102.	1.9	1

#	Article	IF	Citations
19	High quality electron beams from a laser wakefield accelerator. Plasma Physics and Controlled Fusion, 2010, 52, 124032.	2.1	62
20	Narrow spread electron beams from a laser-plasma wakefield accelerator. Proceedings of SPIE, 2009, , .	0.8	4
21	Electron beam pointing stability of a laser wakefield accelerator. Proceedings of SPIE, 2009, , .	0.8	4
22	Pepper-pot emittance measurement of laser-plasma wakefield accelerated electrons. , 2009, , .		7
23	A method of determining narrow energy spread electron beams from a laser plasma wakefield accelerator using undulator radiation. Physics of Plasmas, 2009, 16, 093102.	1.9	16