

Ming Zeng

List of Publications by Year in descending order

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27
papers

672
citations

759233

12
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	Scissor-cross ionization injection in laser wakefield accelerators. Plasma Physics and Controlled Fusion, 2022, 64, 045012.	2.1	2
2	The optimal beam-loading in two-bunch nonlinear plasma wakefield accelerators. Plasma Physics and Controlled Fusion, 2022, 64, 065007.	2.1	0
3	Radiation reaction of betatron oscillation in plasma wakefield accelerators. New Journal of Physics, 2021, 23, 075008.	2.9	5
4	High-resolution sampling of beam-driven plasma wakefields. Nature Communications, 2020, 11, 5984.	12.8	8
5	Plasma eyepieces for petawatt class lasers. Physics of Plasmas, 2020, 27, 023109.	1.9	5
6	Ponderomotively assisted ionization injection in plasma wakefield accelerators. New Journal of Physics, 2020, 22, 123003.	2.9	5
7	FLASHForward: plasma wakefield accelerator science for high-average-power applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180392.	3.4	25
8	Sub-femtosecond electron bunches in laser wakefield acceleration via injection suppression with a magnetic field. Plasma Physics and Controlled Fusion, 2019, 61, 085015.	2.1	11
9	The extreme light infrastructure "nuclear physics (ELI-NP) facility: new horizons in physics with 10 PW ultra-intense lasers and 20 MeV brilliant gamma beams. Reports on Progress in Physics, 2018, 81, 094301.	20.1	164
10	High-flux electron beams from laser wakefield accelerators driven by petawatt lasers. Plasma Science and Technology, 2017, 19, 070502.	1.5	1
11	Charge Accretion Rate and Injection Radius of Ionized-Induced Injections in Laser Wakefield Accelerators. Journal of Physics: Conference Series, 2016, 688, 012130.	0.4	1
12	Acceleration and evolution of a hollow electron beam in wakefields driven by a Laguerre-Gaussian laser pulse. Physics of Plasmas, 2016, 23, .	1.9	42
13	Acceleration of on-axis and ring-shaped electron beams in wakefields driven by Laguerre-Gaussian pulses. Journal of Applied Physics, 2016, 119, .	2.5	23
14	High quality electron beam acceleration by ionization injection in laser wakefields with mid-infrared dual-color lasers. Physics of Plasmas, 2016, 23, 063113.	1.9	12
15	Studies on high-quality electron beams and tunable x-ray sources produced by laser wakefield accelerators. Proceedings of SPIE, 2016, , .	0.8	0
16	A compact tunable polarized X-ray source based on laser-plasma helical undulators. Scientific Reports, 2016, 6, 29101.	3.3	33
17	Generation of high-quality electron beams by ionization injection in a single acceleration stage. High Power Laser Science and Engineering, 2016, 4, .	4.6	12
18	Demonstration of self-truncated ionization injection for GeV electron beams. Scientific Reports, 2015, 5, 14659.	3.3	98

#	ARTICLE	IF	CITATIONS
19	Tunable monoenergetic electron beams from independently controllable laser-wakefield acceleration and injection. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2015, 18, .	1.8	44
20	Multichromatic Narrow-Energy-Spread Electron Bunches from Laser-Wakefield Acceleration with Dual-Color Lasers. <i>Physical Review Letters</i> , 2015, 114, 084801.	7.8	69
21	Enhanced single-stage laser-driven electron acceleration by self-controlled ionization injection. <i>Optics Express</i> , 2014, 22, 29578.	3.4	17
22	Self-truncated ionization injection and consequent monoenergetic electron bunches in laser wakefield acceleration. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	54
23	Robust relativistic electron mirrors in laser wakefields for enhanced Thomson backscattering. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	9
24	Ultra-intense attosecond pulses emitted from laser wakefields in non-uniform plasmas. <i>Laser and Particle Beams</i> , 2013, 31, 233-238.	1.0	2
25	Some observations on trapping in nonlinear multi-dimensional wakes. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	4
26	Upper limit power for self-guided propagation of intense lasers in plasma. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	9
27	Controlled ionization-induced injection by tailoring the gas-density profile in laser wakefield acceleration. <i>Journal of Plasma Physics</i> , 2012, 78, 363-371.	2.1	15