

Jingwei Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Polarization-dependent fast-electron emission in high-temporal-contrast femtosecond laser plasmas. Plasma Physics and Controlled Fusion, 2021, 63, 045015.	0.9	0
2	Relativistic modified Bessel-Gaussian beam generated from plasma-based beam braiding. Physical Review A, 2021, 104, .	1.0	3
3	Relativistic slingshot: A source for single circularly polarized attosecond x-ray pulses. Physical Review E, 2020, 102, 061201.	0.8	7
4	Dense tunable attosecond electron bunch from laser interaction with magnetized plasma. Plasma Physics and Controlled Fusion, 2020, 62, 055008.	0.9	1
5	High-quality high-order harmonic generation through preplasma truncation. Physical Review E, 2019, 100, 053207.	0.8	6
6	Intense attosecond pulses carrying orbital angular momentum using laser plasma interactions. Nature Communications, 2019, 10, 5554.	5.8	39
7	Flexible x-ray source with tunable polarization and orbital angular momentum from Hermite-Gaussian laser modes driven plasma channel wakefield. Physical Review Accelerators and Beams, 2019, 22, .	0.6	5
8	$\langle mml:mrow \langle mml:mi \rangle I^3 \langle /mml:mi \rangle \langle /mml:mrow \rangle$ -Ray Generation from Plasma Wakefield Resonant Wiggler. Physical Review Letters, 2018, 120, 134801.	2.9	15
9	Very-long distance propagation of high-energy laser pulse in air. Physics of Plasmas, 2018, 25, 113111.	0.7	0
10	Temporal evolution of condensation and precipitation induced by a 22-TW laser. Optics Express, 2018, 26, 2785.	1.7	3
11	The controllable electron-heating by external magnetic fields at relativistic laser-solid interactions in the presence of large scale pre-plasmas. Plasma Physics and Controlled Fusion, 2017, 59, 065004.	0.9	11
12	Magetostatic amplifier with tunable maximum by twisted-light plasma interactions. Plasma Physics and Controlled Fusion, 2017, 59, 095010.	0.9	11
13	Corona discharge induced snow formation in a cloud chamber. Scientific Reports, 2017, 7, 11749.	1.6	11
14	Plasma channel undulator excited by high-order laser modes. Scientific Reports, 2017, 7, 16884.	1.6	14
15	Femtosecond laser filament induced condensation and precipitation in a cloud chamber. Scientific Reports, 2016, 6, 25417.	1.6	16
16	High-energy-density electron beam from interaction of two successive laser pulses with subcritical-density plasma. Physical Review Accelerators and Beams, 2016, 19, .	0.6	8
17	Tunable polarization plasma channel undulator for narrow bandwidth photon emission. Physical Review Accelerators and Beams, 2016, 19, .	0.6	19
18	Trapping of intense light in hollow shell. Physics of Plasmas, 2015, 22, 093110.	0.7	0

#	ARTICLE	IF	CITATIONS
19	Enhanced laser-driven proton acceleration from a relativistically transparent transversely nano-striped target. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 115009.	0.9	2
20	High-energy-density electron jet generation from an opening gold cone filled with near-critical-density plasma. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	18
21	Laser-induced supersaturation and snow formation in a sub-saturated cloud chamber. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 1001-1007.	1.1	19
22	Target normal sheath acceleration of foil ions by laser-trapped hot electrons from a long subcritical-density preplasma. <i>Physics of Plasmas</i> , 2014, 21, 123110.	0.7	6
23	Quasi-monoenergetic ion generation by hole-boring radiation pressure acceleration in inhomogeneous plasmas using tailored laser pulses. <i>Physics of Plasmas</i> , 2014, 21, 012705.	0.7	22
24	Generation of quasi-monoenergetic carbon ions accelerated parallel to the plane of a sandwich target. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	7
25	High energy density micro plasma bunch from multiple laser interaction with thin target. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	13
26	Trapping of electromagnetic radiation in self-generated and preformed cavities. <i>Laser and Particle Beams</i> , 2013, 31, 589-595.	0.4	5
27	Monoenergetic collimated nano-Coulomb electron beams driven by crossed laser beams. <i>Applied Physics Letters</i> , 2013, 103, 024105.	1.5	1
28	Model study on laser interaction with near-critical density plasma. <i>Applied Physics B: Lasers and Optics</i> , 2012, 108, 875-882.	1.1	3
29	Guiding of intense laser pulse in uniform plasmas and preformed plasma channels. <i>Physics of Plasmas</i> , 2010, 17, 103109.	0.7	12
30	Collimated hot electron jets generated from subwavelength grating targets irradiated by intense short-pulse laser. <i>Physics of Plasmas</i> , 2010, 17, 033109.	0.7	23
31	Enhanced surface acceleration of fast electrons by using subwavelength grating targets. <i>Physics of Plasmas</i> , 2010, 17, 083102.	0.7	25
32	Simple model for wakefield excitation by intense short-pulse laser in underdense plasma. <i>Physics of Plasmas</i> , 2009, 16, 053107.	0.7	11
33	Impact of laser-accelerated micron-size projectile on dense plasma. <i>Physics of Plasmas</i> , 2009, 16, 033110.	0.7	1
34	Efficient acceleration of a small dense plasma pellet by consecutive action of multiple short intense laser pulses. <i>Laser and Particle Beams</i> , 2009, 27, 629-634.	0.4	8