

Jingwei Wang

List of Publications by Year in descending order

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times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	Intense attosecond pulses carrying orbital angular momentum using laser plasma interactions. Nature Communications, 2019, 10, 5554.	5.8	39
2	Enhanced surface acceleration of fast electrons by using subwavelength grating targets. Physics of Plasmas, 2010, 17, 083102.	0.7	25
3	Collimated hot electron jets generated from subwavelength grating targets irradiated by intense short-pulse laser. Physics of Plasmas, 2010, 17, 033109.	0.7	23
4	Quasi-monoenergetic ion generation by hole-boring radiation pressure acceleration in inhomogeneous plasmas using tailored laser pulses. Physics of Plasmas, 2014, 21, 012705.	0.7	22
5	Laser-induced supersaturation and snow formation in a sub-saturated cloud chamber. Applied Physics B: Lasers and Optics, 2014, 117, 1001-1007.	1.1	19
6	Tunable polarization plasma channel undulator for narrow bandwidth photon emission. Physical Review Accelerators and Beams, 2016, 19, .	0.6	19
7	High-energy-density electron jet generation from an opening gold cone filled with near-critical-density plasma. Journal of Applied Physics, 2015, 117, .	1.1	18
8	Femtosecond laser filament induced condensation and precipitation in a cloud chamber. Scientific Reports, 2016, 6, 25417.	1.6	16
9	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Ray Generation from Plasma Wakefield Resonant Wiggler. Physical Review Letters, 2018, 120, 134801.	2.9	15
10	Plasma channel undulator excited by high-order laser modes. Scientific Reports, 2017, 7, 16884.	1.6	14
11	High energy density micro plasma bunch from multiple laser interaction with thin target. Applied Physics Letters, 2014, 104, .	1.5	13
12	Guiding of intense laser pulse in uniform plasmas and preformed plasma channels. Physics of Plasmas, 2010, 17, 103109.	0.7	12
13	Simple model for wakefield excitation by intense short-pulse laser in underdense plasma. Physics of Plasmas, 2009, 16, 053107.	0.7	11
14	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
15	Magetostatic amplifier with tunable maximum by twisted-light plasma interactions. Plasma Physics and Controlled Fusion, 2017, 59, 095010.	0.9	11
16	Corona discharge induced snow formation in a cloud chamber. Scientific Reports, 2017, 7, 11749.	1.6	11
17	Efficient acceleration of a small dense plasma pellet by consecutive action of multiple short intense laser pulses. Laser and Particle Beams, 2009, 27, 629-634.	0.4	8
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Relativistic slingshot: A source for single circularly polarized attosecond x-ray pulses. <i>Physical Review E</i> , 2020, 102, 061201.	0.8	7
21	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
22	High-quality high-order harmonic generation through preplasma truncation. <i>Physical Review E</i> , 2019, 100, 053207.	0.8	6
23	Trapping of electromagnetic radiation in self-generated and preformed cavities. <i>Laser and Particle Beams</i> , 2013, 31, 589-595.	0.4	5
24	Flexible x-ray source with tunable polarization and orbital angular momentum from Hermite-Gaussian laser modes driven plasma channel wakefield. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	0.6	5
25	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
26	Temporal evolution of condensation and precipitation induced by a 22-TW laser. <i>Optics Express</i> , 2018, 26, 2785.	1.7	3
27	Relativistic modified Bessel-Gaussian beam generated from plasma-based beam braiding. <i>Physical Review A</i> , 2021, 104, .	1.0	3
28	Enhanced laser-driven proton acceleration from a relativistically transparent transversely nano-stripped target. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 115009.	0.9	2
29	Impact of laser-accelerated micron-size projectile on dense plasma. <i>Physics of Plasmas</i> , 2009, 16, 033110.	0.7	1
30	Monoenergetic collimated nano-Coulomb electron beams driven by crossed laser beams. <i>Applied Physics Letters</i> , 2013, 103, 024105.	1.5	1
31	Dense tunable attosecond electron bunch from laser interaction with magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 055008.	0.9	1
32	Trapping of intense light in hollow shell. <i>Physics of Plasmas</i> , 2015, 22, 093110.	0.7	0
33	Very-long distance propagation of high-energy laser pulse in air. <i>Physics of Plasmas</i> , 2018, 25, 113111.	0.7	0
34	Polarization-dependent fast-electron emission in high-temporal-contrast femtosecond laser plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2021, 63, 045015.	0.9	0