

# Jingwei Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8880177/publications.pdf>

Version: 2024-02-01

34  
papers

345  
citations

759233

12  
h-index

888059

17  
g-index

34  
all docs

34  
docs citations

34  
times ranked

436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarization-dependent fast-electron emission in high-temporal-contrast femtosecond laser plasmas. Plasma Physics and Controlled Fusion, 2021, 63, 045015.	2.1	0
2	Relativistic modified Bessel-Gaussian beam generated from plasma-based beam braiding. Physical Review A, 2021, 104, .	2.5	3
3	Relativistic slingshot: A source for single circularly polarized attosecond x-ray pulses. Physical Review E, 2020, 102, 061201.	2.1	7
4	Dense tunable attosecond electron bunch from laser interaction with magnetized plasma. Plasma Physics and Controlled Fusion, 2020, 62, 055008.	2.1	1
5	High-quality high-order harmonic generation through preplasma truncation. Physical Review E, 2019, 100, 053207.	2.1	6
6	Intense attosecond pulses carrying orbital angular momentum using laser plasma interactions. Nature Communications, 2019, 10, 5554.	12.8	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, .	1.6	5
8	$\langle \text{Ray Generation from Plasma Wakefield Resonant Wiggler} \rangle$ Physical Review Letters, 2018, 120, 134801.	7.8	15
9	Very-long distance propagation of high-energy laser pulse in air. Physics of Plasmas, 2018, 25, 113111.	1.9	0
10	Temporal evolution of condensation and precipitation induced by a 22-TW laser. Optics Express, 2018, 26, 2785.	3.4	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.	2.1	11
12	Magnetostatic amplifier with tunable maximum by twisted-light plasma interactions. Plasma Physics and Controlled Fusion, 2017, 59, 095010.	2.1	11
13	Corona discharge induced snow formation in a cloud chamber. Scientific Reports, 2017, 7, 11749.	3.3	11
14	Plasma channel undulator excited by high-order laser modes. Scientific Reports, 2017, 7, 16884.	3.3	14
15	Femtosecond laser filament induced condensation and precipitation in a cloud chamber. Scientific Reports, 2016, 6, 25417.	3.3	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, .	1.6	8
17	Tunable polarization plasma channel undulator for narrow bandwidth photon emission. Physical Review Accelerators and Beams, 2016, 19, .	1.6	19
18	Trapping of intense light in hollow shell. Physics of Plasmas, 2015, 22, 093110.	1.9	0

#	ARTICLE	IF	CITATIONS
19	Enhanced laser-driven proton acceleration from a relativistically transparent transversely nano-striped target. Plasma Physics and Controlled Fusion, 2015, 57, 115009.	2.1	2
20	High-energy-density electron jet generation from an opening gold cone filled with near-critical-density plasma. Journal of Applied Physics, 2015, 117, .	2.5	18
21	Laser-induced supersaturation and snow formation in a sub-saturated cloud chamber. Applied Physics B: Lasers and Optics, 2014, 117, 1001-1007.	2.2	19
22	Target normal sheath acceleration of foil ions by laser-trapped hot electrons from a long subcritical-density preplasma. Physics of Plasmas, 2014, 21, 123110.	1.9	6
23	Quasi-monoenergetic ion generation by hole-boring radiation pressure acceleration in inhomogeneous plasmas using tailored laser pulses. Physics of Plasmas, 2014, 21, 012705.	1.9	22
24	Generation of quasi-monoenergetic carbon ions accelerated parallel to the plane of a sandwich target. Physics of Plasmas, 2014, 21, .	1.9	7
25	High energy density micro plasma bunch from multiple laser interaction with thin target. Applied Physics Letters, 2014, 104, .	3.3	13
26	Trapping of electromagnetic radiation in self-generated and preformed cavities. Laser and Particle Beams, 2013, 31, 589-595.	1.0	5
27	Monoenergetic collimated nano-Coulomb electron beams driven by crossed laser beams. Applied Physics Letters, 2013, 103, 024105.	3.3	1
28	Model study on laser interaction with near-critical density plasma. Applied Physics B: Lasers and Optics, 2012, 108, 875-882.	2.2	3
29	Guiding of intense laser pulse in uniform plasmas and preformed plasma channels. Physics of Plasmas, 2010, 17, 103109.	1.9	12
30	Collimated hot electron jets generated from subwavelength grating targets irradiated by intense short-pulse laser. Physics of Plasmas, 2010, 17, 033109.	1.9	23
31	Enhanced surface acceleration of fast electrons by using subwavelength grating targets. Physics of Plasmas, 2010, 17, 083102.	1.9	25
32	Simple model for wakefield excitation by intense short-pulse laser in underdense plasma. Physics of Plasmas, 2009, 16, 053107.	1.9	11
33	Impact of laser-accelerated micron-size projectile on dense plasma. Physics of Plasmas, 2009, 16, 033110.	1.9	1
34	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.	1.0	8