Chaojie Zhang

List of Publications by Year
in descending order

21 papers	244 citations	1040056 9 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	324 citing authors

#	Article	IF	Citations
1	Cross-polarized common-path temporal interferometry for high-sensitivity strong-field ionization measurements. Optics Express, 2022, 30, 25696.	3.4	2
2	Electron Weibel instability induced magnetic fields in optical-field ionized plasmas. Physics of Plasmas, 2022, 29, .	1.9	3
3	Extremely Dense Gamma-Ray Pulses in Electron Beam-Multifoil Collisions. Physical Review Letters, 2021, 126, 064801.	7.8	22
4	Ultra-short pulse generation from mid-IR to THz range using plasma wakes and relativistic ionization fronts. Physics of Plasmas, 2021, 28, .	1.9	8
5	High-throughput injectionâ€“acceleration of electron bunches from a linear accelerator to a laser wakefield accelerator. Nature Physics, 2021, 17, 801-806.	16.7	8
6	Ionization induced plasma grating and its applications in strong-field ionization measurements. Plasma Physics and Controlled Fusion, 2021, 63, 095011.	2.1	12
7	Probing thermal Weibel instability in optical-field-ionized plasmas using relativistic electron bunches. Plasma Physics and Controlled Fusion, 2020, 62, 024010.	2.1	5
8	Conservation of angular momentum in second harmonic generation from under-dense plasmas. Communications Physics, 2020, 3, .	5.3	5
9	Photon deceleration in plasma wakes generates single-cycle relativistic tunable infrared pulses. Nature Communications, 2020, 11, 2787.	12.8	23
10	Initializing anisotropic electron velocity distribution functions in optical-field ionized plasmas. Plasma Physics and Controlled Fusion, 2020, 62, 024011.	2.1	6
11	Measurements of the Growth and Saturation of Electron Weibel Instability in Optical-Field Ionized Plasmas. Physical Review Letters, 2020, 125, 255001.	7.8	18
12	Ultrafast optical fieldâ€“ionized gasesâ€”A laboratory platform for studying kinetic plasma instabilities. Science Advances, 2019, 5, eaax4545.	10.3	21
13	High-resolution phase-contrast imaging of biological specimens using a stable betatron X-ray source in the multiple-exposure mode. Scientific Reports, 2019, 9, 7796.	3.3	16
14	Near-Ideal Dechirper for Plasma-Based Electron and Positron Acceleration Using a Hollow Channel Plasma. Physical Review Applied, 2019, 12, .	3.8	10
15	Effect of fluctuations in the down ramp plasma source profile on the emittance and current profile of the self-injected beam in a plasma wakefield accelerator. Physical Review Accelerators and Beams, 2019, 22, .	1.6	10
16	Demonstration of Tunable Relativistic, Single-Cycle Infrared Pulses from a Tailored Plasma Structure. , 2019, , .		0
17	Transverse phase space diagnostics for ionization injection in laser plasma acceleration using permanent magnetic quadrupoles. Plasma Physics and Controlled Fusion, 2018, 60, 044007.	2.1	4
18	Phase locked multiple rings in the radiation pressure ion acceleration process. Plasma Physics and Controlled Fusion, 2018, 60, 044016.	2.1	2

#	Article	IF	Citations
19	Evolution of plasma wakes in density up- and down-ramps. Plasma Physics and Controlled Fusion, 2018, 60, 024003.	2.1	4
20	Probing plasma wakefields using electron bunches generated from a laser wakefield accelerator. Plasma Physics and Controlled Fusion, 2018, 60, 044013.	2.1	6
21	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. Nature Photonics, 2018, 12, 489-494.	31.4	59