

# Chaojie Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1454038/publications.pdf>

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21  
papers

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citations

1040056

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996975

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21  
docs citations

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times ranked

324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. <i>Nature Photonics</i> , 2018, 12, 489-494.	31.4	59
2	Photon deceleration in plasma wakes generates single-cycle relativistic tunable infrared pulses. <i>Nature Communications</i> , 2020, 11, 2787.	12.8	23
3	Extremely Dense Gamma-Ray Pulses in Electron Beam-Multifoil Collisions. <i>Physical Review Letters</i> , 2021, 126, 064801.	7.8	22
4	Ultrafast optical fieldâ€“ionized gasesâ€“A laboratory platform for studying kinetic plasma instabilities. <i>Science Advances</i> , 2019, 5, eaax4545.	10.3	21
5	Measurements of the Growth and Saturation of Electron Weibel Instability in Optical-Field Ionized Plasmas. <i>Physical Review Letters</i> , 2020, 125, 255001.	7.8	18
6	High-resolution phase-contrast imaging of biological specimens using a stable betatron X-ray source in the multiple-exposure mode. <i>Scientific Reports</i> , 2019, 9, 7796.	3.3	16
7	Ionization induced plasma grating and its applications in strong-field ionization measurements. <i>Plasma Physics and Controlled Fusion</i> , 2021, 63, 095011.	2.1	12
8	Near-Ideal Dechirper for Plasma-Based Electron and Positron Acceleration Using a Hollow Channel Plasma. <i>Physical Review Applied</i> , 2019, 12, .	3.8	10
9	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. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	1.6	10
10	Ultra-short pulse generation from mid-IR to THz range using plasma wakes and relativistic ionization fronts. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	8
11	High-throughput injectionâ€“acceleration of electron bunches from a linear accelerator to a laser wakefield accelerator. <i>Nature Physics</i> , 2021, 17, 801-806.	16.7	8
12	Probing plasma wakefields using electron bunches generated from a laser wakefield accelerator. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 044013.	2.1	6
13	Initializing anisotropic electron velocity distribution functions in optical-field ionized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 024011.	2.1	6
14	Probing thermal Weibel instability in optical-field-ionized plasmas using relativistic electron bunches. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 024010.	2.1	5
15	Conservation of angular momentum in second harmonic generation from under-dense plasmas. <i>Communications Physics</i> , 2020, 3, .	5.3	5
16	Transverse phase space diagnostics for ionization injection in laser plasma acceleration using permanent magnetic quadrupoles. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 044007.	2.1	4
17	Evolution of plasma wakes in density up- and down-ramps. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 024003.	2.1	4
18	Electron Weibel instability induced magnetic fields in optical-field ionized plasmas. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	3

#	ARTICLE	IF	CITATIONS
19	Phase locked multiple rings in the radiation pressure ion acceleration process. Plasma Physics and Controlled Fusion, 2018, 60, 044016.	2.1	2
20	Cross-polarized common-path temporal interferometry for high-sensitivity strong-field ionization measurements. Optics Express, 2022, 30, 25696.	3.4	2
21	Demonstration of Tunable Relativistic, Single-Cycle Infrared Pulses from a Tailored Plasma Structure. , 2019, , .		0