

# Zan Nie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6808224/publications.pdf>

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14  
papers

159  
citations

1307594

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1199594

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. Nature Photonics, 2018, 12, 489-494.	31.4	59
2	<i>In Situ</i> Generation of High-Energy Spin-Polarized Electrons in a Beam-Driven Plasma Wakefield Accelerator. Physical Review Letters, 2021, 126, 054801.	7.8	28
3	Photon deceleration in plasma wakes generates single-cycle relativistic tunable infrared pulses. Nature Communications, 2020, 11, 2787.	12.8	23
4	Ionization induced plasma grating and its applications in strong-field ionization measurements. Plasma Physics and Controlled Fusion, 2021, 63, 095011.	2.1	12
5	Diffraction based method to reconstruct the spectrum of the Thomson scattering x-ray source. Review of Scientific Instruments, 2017, 88, 045110.	1.3	11
6	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
7	High-throughput injection "acceleration of electron bunches from a linear accelerator to a laser wakefield accelerator. Nature Physics, 2021, 17, 801-806.	16.7	8
8	Conservation of angular momentum in second harmonic generation from under-dense plasmas. Communications Physics, 2020, 3, .	5.3	5
9	Cross-polarized common-path temporal interferometry for high-sensitivity strong-field ionization measurements. Optics Express, 2022, 30, 25696.	3.4	2
10	Tunable Plasma Linearizer for Compensation of Nonlinear Energy Chirp. Physical Review Applied, 2021, 16, .	3.8	1
11	Highly spin-polarized multi-GeV electron beams generated by single-species plasma photocathodes. Physical Review Research, 2022, 4, .	3.6	1
12	A pulse-to-pulse timing jitter measurement between two synchronized amplified laser beams for TTX. Review of Scientific Instruments, 2017, 88, 063307.	1.3	0
13	Demonstration of Tunable Relativistic, Single-Cycle Infrared Pulses from a Tailored Plasma Structure. , 2019, , .		0
14	Sub-Joule Single-Cycle Terahertz Pulse by Frequency Downshifting of a Picosecond 10 gm CO2 Laser Pulse in a Tailored Plasma Structure. , 2020, , .		0