

# Jianfei Hua

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7041217/publications.pdf>

Version: 2024-02-01

22  
papers

345  
citations

933447

10  
h-index

794594

19  
g-index

22  
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22  
docs citations

22  
times ranked

454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron Weibel instability induced magnetic fields in optical-field ionized plasmas. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	3
2	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
3	High-throughput injectionâ€œacceleration of electron bunches from a linear accelerator to a laser wakefield accelerator. <i>Nature Physics</i> , 2021, 17, 801-806.	16.7	8
4	Measuring fluence distribution of intense short laser based on radiochromic effect. <i>Optics Letters</i> , 2021, 46, 2795-2798.	3.3	1
5	Tunable Plasma Linearizer for Compensation of Nonlinear Energy Chirp. <i>Physical Review Applied</i> , 2021, 16, .	3.8	1
6	High Efficiency Uniform Wakefield Acceleration of a Positron Beam Using Stable Asymmetric Mode in a Hollow Channel Plasma. <i>Physical Review Letters</i> , 2021, 127, 174801.	7.8	22
7	Region-of-interest micro-focus computed tomography based on an all-optical inverse Compton scattering source. <i>Matter and Radiation at Extremes</i> , 2020, 5, .	3.9	18
8	Photon deceleration in plasma wakes generates single-cycle relativistic tunable infrared pulses. <i>Nature Communications</i> , 2020, 11, 2787.	12.8	23
9	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
10	Phase Space Dynamics of a Plasma Wakefield Dechirper for Energy Spread Reduction. <i>Physical Review Letters</i> , 2019, 122, 204804.	7.8	31
11	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
12	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
13	Generation of Coherent Monochromatic Betatron Radiation by Laser-triggered Ionization Injection in Plasma Accelerators. , 2018, , .		1
14	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. <i>Nature Photonics</i> , 2018, 12, 489-494.	31.4	59
15	Diffraction based method to reconstruct the spectrum of the Thomson scattering x-ray source. <i>Review of Scientific Instruments</i> , 2017, 88, 045110.	1.3	11
16	A pulse-to-pulse timing jitter measurement between two synchronized amplified laser beams for TTX. <i>Review of Scientific Instruments</i> , 2017, 88, 063307.	1.3	0
17	High time resolution beam-based measurement of the rf-to-laser jitter in a photocathode rf gun. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014, 17, .	1.8	9
18	In-line phase-contrast imaging based on Tsinghua Thomson scattering x-ray source. <i>Review of Scientific Instruments</i> , 2014, 85, 083307.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Generation of first hard X-ray pulse at Tsinghua Thomson Scattering X-ray Source. Review of Scientific Instruments, 2013, 84, 053301.	1.3	81
20	High power THz source based on coherent radiation of picosecond relativistic electron bunch train. Science China: Physics, Mechanics and Astronomy, 2011, 54, 197-200.	5.1	4
21	Design of a source to supply ultra-fast electron and X-ray pulses. , 2007, , .		0
22	Accurate description of ultra-short tightly focused Gaussian laser pulses and vacuum laser acceleration. Applied Physics B: Lasers and Optics, 2005, 81, 813-819.	2.2	14