Yafeng Bai

List of Publications by Year in descending order

27 papers	502 citations	840776 11 h-index	677142 22 g-index
27 all docs	27 docs citations	27 times ranked	838 citing authors

#	Article	IF	Citations
1	Synthesis of magnetic wheat straw for arsenic adsorption. Journal of Hazardous Materials, 2011, 193, 10-16.	12.4	180
2	Ultrahigh brilliance quasi-monochromatic MeV Î³-rays based on self-synchronized all-optical Compton scattering. Scientific Reports, 2016, 6, 29518.	3.3	66
3	Femtosecond-laser-driven wire-guided helical undulator for intense terahertz radiation. Nature Photonics, 2017, 11, 242-246.	31.4	56
4	In-situ SEM observations of ultrasonic cavitation erosion behavior of HVOF-sprayed coatings. Ultrasonics Sonochemistry, 2020, 60, 104760.	8.2	39
5	Electron Emission at Locked Phases from the Laser-Driven Surface Plasma Wave. Physical Review Letters, 2012, 109, 115002.	7.8	33
6	Guiding and emission of milijoule single-cycle THz pulse from laser-driven wire-like targets. Optics Express, 2020, 28, 15258.	3.4	21
7	Self-Organized Kilotesla Magnetic-Tube Array in an Expanding Spherical Plasma Irradiated by kHz Femtosecond Laser Pulses. Physical Review Letters, 2018, 121, 255002.	7.8	20
8	Experimental Findings with VISSIM and TransModeler for Evaluating Environmental and Safety Impacts using Micro-Simulations. Transportation Research Record, 2020, 2674, 566-580.	1.9	14
9	Direct mapping of attosecond electron dynamics. Nature Photonics, 2021, 15, 216-221.	31.4	14
10	The phase-lock dynamics of the laser wakefield acceleration with an intensity-decaying laser pulse. Applied Physics Letters, 2014, 104, 093510.	3.3	12
11	Corona discharge induced snow formation in a cloud chamber. Scientific Reports, 2017, 7, 11749.	3.3	11
12	Observation of laser multiple filamentation process and multiple electron beams acceleration in a laser wakefield accelerator. Physics of Plasmas, 2013, 20, .	1.9	7
13	Towards High-Repetition-Rate Intense Terahertz Source With Metal Wire-Based Plasma. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	7
14	Energetic proton generation from intense Coulomb explosion of large-size ethane clusters. Physics of Plasmas, 2013, 20, 043109.	1.9	4
15	Laser-driven fast electron ionization wave propagation in a dielectric target. Physics of Plasmas, 2017, 24, 043110.	1.9	3
16	Experimental study on laser-driven electron collimation along wire targets. Physics of Plasmas, 2019, 26, 012701.	1.9	3
17	Optimizing Budget Allocation for Incentive-Based Active Travel Demand Management Solutions. Transportation Research Record, 0, , 036119812110255.	1.9	3
18	Near-Infrared Supercontinuum and Ultrashort Pulses Generated Based on Phase-Mismatched Cascaded Frequency Conversion in DSTMS Crystal. IEEE Photonics Journal, 2020, 12, 1-6.	2.0	2

#	Article	IF	Citations
19	Combined action of corrugation and Weibel instabilities from electron-beam interaction with laser-irradiated plasma. Physics of Plasmas, 2018, 25, 033112.	1.9	1
20	Longitudinal characterization of the wake and electron bunch in a laser wakefield accelerator. Journal of Plasma Physics, 2019, 85, .	2.1	1
21	Study of femtosecond laser pulse induced shockwave in aluminum-coated dielectric target. EPJ Applied Physics, 2020, 91, 10801.	0.7	1
22	Experimental optimization of the hundred-keV electron source from laser-driven wire target. Laser and Particle Beams, 2020, 38, 94-100.	1.0	1
23	Terahertz-assisted even harmonics generation inÂsilicon. IScience, 2022, 25, 103750.	4.1	1
24	Bright High-Harmonic Generation through Coherent Synchrotron Emission Based on the Polarization Gating Scheme. Laser and Particle Beams, 2022, 2022, .	1.0	1
25	Superhydrophobic Surface on Arc-Sprayed Aluminum Coating Via Fluorinated Polyurethane Modification: Preparation and Application in Corrosion Protection. Journal of Thermal Spray Technology, 0, , .	3.1	1
26	A Lane-Level Vehicle Positioning Method Based on Fusion of MM and RSSI-DR for VANET Environment. , 2019, , .		0
27	A high-energy electron density modulator driven by an intense laser standing wave. Laser and Particle Beams, 2019, 37, 197-202.	1.0	0