

Yipeng Wu

List of Publications by Year in descending order

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papers

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all docs

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docs citations

21
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417
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron Weibel instability induced magnetic fields in optical-field ionized plasmas. Physics of Plasmas, 2022, 29, .	1.9	3
2	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
3	Generation of Tunable 10-mJ-Level Terahertz Pulses through Nonlinear Plasma Wakefield Modulation. Physical Review Applied, 2021, 15, .	3.8	5
4	Tunable Plasma Linearizer for Compensation of Nonlinear Energy Chirp. Physical Review Applied, 2021, 16, .	3.8	1
5	Near-ideal energy modulator for tunable THz pulse generation using sectioned hollow channel plasma system. Physics of Plasmas, 2021, 28, 103101.	1.9	1
6	Photon deceleration in plasma wakes generates single-cycle relativistic tunable infrared pulses. Nature Communications, 2020, 11, 2787.	12.8	23
7	Phase Space Dynamics of a Plasma Wakefield Dechirper for Energy Spread Reduction. Physical Review Letters, 2019, 122, 204804.	7.8	31
8	Demonstration of Single-Shot High-Quality Cascaded High-Energy-Electron Radiography using Compact Imaging Lenses Based on Permanent-Magnet Quadrupoles. Physical Review Applied, 2019, 11, .	3.8	12
9	Near-Ideal Dechirper for Plasma-Based Electron and Positron Acceleration Using a Hollow Channel Plasma. Physical Review Applied, 2019, 12, .	3.8	10
10	Visualizing the melting processes in ultrashort intense laser triggered gold mesh with high energy electron radiography. Matter and Radiation at Extremes, 2019, 4, .	3.9	5
11	Generation of Coherent Monochromatic Betatron Radiation by Laser-triggered Ionization Injection in Plasma Accelerators. , 2018, , .		1
12	Tri-stage quasimonoenergetic proton acceleration from a multi-species thick target. Physics of Plasmas, 2018, 25, 073105.	1.9	2
13	Physical mechanism of the electron-ion coupled transverse instability in laser pressure ion acceleration for different regimes. Physical Review E, 2018, 98, 013202.	2.1	9
14	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. Nature Photonics, 2018, 12, 489-494.	31.4	59
15	Femtosecond Probing of Plasma Wakefields and Observation of the Plasma Wake Reversal Using a Relativistic Electron Bunch. Physical Review Letters, 2017, 119, 064801.	7.8	44
16	Physical Mechanism of the Transverse Instability in Radiation Pressure Ion Acceleration. Physical Review Letters, 2016, 117, 234801.	7.8	30
17	Physics of Phase Space Matching for Staging Plasma and Traditional Accelerator Components Using Longitudinally Tailored Plasma Profiles. Physical Review Letters, 2016, 116, 124801.	7.8	73
18	Nanoscale Electron Bunching in Laser-Triggered Ionization Injection in Plasma Accelerators. Physical Review Letters, 2016, 117, 034801.	7.8	20

#	ARTICLE	IF	CITATIONS
19	Colliding ionization injection in a plasma wakefield accelerator. Plasma Physics and Controlled Fusion, 2016, 58, 034015.	2.1	6
20	Capturing relativistic wakefield structures in plasmas using ultrashort high-energy electrons as a probe. Scientific Reports, 2016, 6, 29485.	3.3	26
21	Low-energy-spread laser wakefield acceleration using ionization injection with a tightly focused laser in a mismatched plasma channel. Plasma Physics and Controlled Fusion, 2016, 58, 034004.	2.1	7