

Yipeng Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2135491/publications.pdf>

Version: 2024-02-01

21
papers

376
citations

933447

10
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics of Phase Space Matching for Staging Plasma and Traditional Accelerator Components Using Longitudinally Tailored Plasma Profiles. <i>Physical Review Letters</i> , 2016, 116, 124801.	7.8	73
2	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. <i>Nature Photonics</i> , 2018, 12, 489-494.	31.4	59
3	Femtosecond Probing of Plasma Wakefields and Observation of the Plasma Wake Reversal Using a Relativistic Electron Bunch. <i>Physical Review Letters</i> , 2017, 119, 064801.	7.8	44
4	Phase Space Dynamics of a Plasma Wakefield Dechirper for Energy Spread Reduction. <i>Physical Review Letters</i> , 2019, 122, 204804.	7.8	31
5	Physical Mechanism of the Transverse Instability in Radiation Pressure Ion Acceleration. <i>Physical Review Letters</i> , 2016, 117, 234801.	7.8	30
6	Capturing relativistic wakefield structures in plasmas using ultrashort high-energy electrons as a probe. <i>Scientific Reports</i> , 2016, 6, 29485.	3.3	26
7	Photon deceleration in plasma wakes generates single-cycle relativistic tunable infrared pulses. <i>Nature Communications</i> , 2020, 11, 2787.	12.8	23
8	Nanoscale Electron Bunching in Laser-Triggered Ionization Injection in Plasma Accelerators. <i>Physical Review Letters</i> , 2016, 117, 034801.	7.8	20
9	Demonstration of Single-Shot High-Quality Cascaded High-Energy-Electron Radiography using Compact Imaging Lenses Based on Permanent-Magnet Quadrupoles. <i>Physical Review Applied</i> , 2019, 11, .	3.8	12
10	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
11	Physical mechanism of the electron-ion coupled transverse instability in laser pressure ion acceleration for different regimes. <i>Physical Review E</i> , 2018, 98, 013202.	2.1	9
12	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
13	Low-energy-spread laser wakefield acceleration using ionization injection with a tightly focused laser in a mismatched plasma channel. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 034004.	2.1	7
14	Colliding ionization injection in a plasma wakefield accelerator. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 034015.	2.1	6
15	Visualizing the melting processes in ultrashort intense laser triggered gold mesh with high energy electron radiography. <i>Matter and Radiation at Extremes</i> , 2019, 4, .	3.9	5
16	Generation of Tunable 10-mJ-Level Terahertz Pulses through Nonlinear Plasma Wakefield Modulation. <i>Physical Review Applied</i> , 2021, 15, .	3.8	5
17	Electron Weibel instability induced magnetic fields in optical-field ionized plasmas. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	3
18	Tri-stage quasimonoenergetic proton acceleration from a multi-species thick target. <i>Physics of Plasmas</i> , 2018, 25, 073105.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Generation of Coherent Monochromatic Betatron Radiation by Laser-triggered Ionization Injection in Plasma Accelerators. , 2018, , .		1
20	Tunable Plasma Linearizer for Compensation of Nonlinear Energy Chirp. Physical Review Applied, 2021, 16, .	3.8	1
21	Near-ideal energy modulator for tunable THz pulse generation using sectioned hollow channel plasma system. Physics of Plasmas, 2021, 28, 103101.	1.9	1