

Han Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2277568/publications.pdf>

Version: 2024-02-01

36
papers

316
citations

933447

10
h-index

996975

15
g-index

36
all docs

36
docs citations

36
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable transport of relativistic electron beams in plasmas. <i>Journal of Plasma Physics</i> , 2022, 88, .	2.1	2
2	Transport of fast electron beam in mirror-field magnetized solid-density plasma. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	1
3	A Scheme to Optimize Roadside Parking Management by Using Blockchain Technology. , 2020, , .		3
4	A Review on Scalability of Blockchain. , 2020, , .		38
5	Effects of parameters on the proton focusing driven by Coulomb explosion. <i>High Energy Density Physics</i> , 2019, 32, 77-81.	1.5	1
6	Collimation of high-current fast electrons in dense plasmas with a tightly focused precursor intense laser pulse. <i>Nuclear Fusion</i> , 2019, 59, 126024.	3.5	3
7	Control of fast electron propagation in foam target by high-Z doping. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 025010.	2.1	8
8	Influence of field ionization effect on the divergence of laser-driven fast electrons. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 075002.	2.1	5
9	Customizing the HPL for China accelerator. <i>Science China Information Sciences</i> , 2018, 61, 1.	4.3	5
10	Energy deposition of fast electrons in dense magnetized plasmas. <i>Physics of Plasmas</i> , 2018, 25, 063104.	1.9	4
11	Proton focusing driven by laser triggered Coulomb explosion. <i>Physics of Plasmas</i> , 2017, 24, 030703.	1.9	2
12	Containing intense laser light in circular cavity with magnetic trap door. <i>Applied Physics Letters</i> , 2017, 110, 111903.	3.3	5
13	Effects of filamentation instability on the divergence of relativistic electrons driven by ultraintense laser pulses. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	11
14	High-energy-density electron beam from interaction of two successive laser pulses with subcritical-density plasma. <i>Physical Review Accelerators and Beams</i> , 2016, 19, .	1.6	8
15	Numerical investigation of the transverse instability on the radiation-pressure-driven foil. <i>Physical Review E</i> , 2015, 92, 063111.	2.1	5
16	Trapping of intense light in hollow shell. <i>Physics of Plasmas</i> , 2015, 22, 093110.	1.9	0
17	Effects of resistive magnetic field on fast electron divergence measured in experiments. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 025011.	2.1	6
18	Enhanced electron injection in laser-driven bubble acceleration by ultra-intense laser irradiating foil-gas targets. <i>Physics of Plasmas</i> , 2015, 22, 083110.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Propagation of intense laser pulses in strongly magnetized plasmas. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	27
20	Generation of high-energy-density ion bunches by ultraintense laser-cone-target interaction. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	14
21	High energy density micro plasma bunch from multiple laser interaction with thin target. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	13
22	Generation of hemispherical fast electron waves in the presence of preplasma in ultraintense laser-matter interaction. <i>Laser and Particle Beams</i> , 2013, 31, 379-386.	1.0	7
23	Trapping of electromagnetic radiation in self-generated and preformed cavities. <i>Laser and Particle Beams</i> , 2013, 31, 589-595.	1.0	5
24	Strong mid-infrared radiation from self-guided fast electron bunch propagating along a grated target surface in laser-solid interaction. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	2
25	Efficient generation of proton bunches by intense laser pulse with a double-slice-foil target. <i>Journal of Plasma Physics</i> , 2012, 78, 491-496.	2.1	2
26	Production of high-density high-temperature plasma by collapsing small solid-density plasma shell with two ultra-intense laser pulses. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	13
27	Study on the effects of ion motion on laser-induced plasma wakes. <i>Physics of Plasmas</i> , 2012, 19, 093101.	1.9	1
28	Enhancement of electron injection in laser wakefield acceleration using auxiliary interfering pulses. <i>New Journal of Physics</i> , 2012, 14, 103015.	2.9	7
29	Propagation of attosecond electron bunches along the cone-and-channel target. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	18
30	Energy enhancement of quasi-monoenergetic proton bunches using a slice-cone target. <i>Physics of Plasmas</i> , 2011, 18, 113103.	1.9	9
31	Collimated proton beam generation from ultraintense laser-irradiated hole target. <i>Laser and Particle Beams</i> , 2010, 28, 319-325.	1.0	14
32	The generation of azimuthal magnetic field in laser-induced plasma bubbles. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	2
33	Simple model for wakefield excitation by intense short-pulse laser in underdense plasma. <i>Physics of Plasmas</i> , 2009, 16, 053107.	1.9	11
34	Bandgap characteristics of one-dimensional plasma photonic crystal. <i>Physics of Plasmas</i> , 2009, 16, 102103.	1.9	23
35	Efficient acceleration of a small dense plasma pellet by consecutive action of multiple short intense laser pulses. <i>Laser and Particle Beams</i> , 2009, 27, 629-634.	1.0	8
36	Influence of target thickness on the generation of high-density ion bunches by ultrashort circularly polarized laser pulses. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	30