Zhang-Hu Hu

List of Publications by Year
in descending order

24	107	1307594 7	1474206 9
papers	citations	h-index	g-index

24	24	24	62
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time evolution and energy deposition for ion clusters injected into magnetized two-component plasmas. Physical Review E, 2012, 85, 016402.	2.1	11
2	Energy dissipation of ion beam in two-component plasma in the presence of laser irradiation. Laser and Particle Beams, 2011, 29, 299-304.	1.0	10
3	Nonlinear stopping power for ions moving in magnetized two-component plasmas. Physics of Plasmas, 2009, 16, 112304.	1.9	9
4	Current neutralization and plasma polarization for intense ion beams propagating through magnetized background plasmas in a two-dimensional slab approximation. Frontiers of Physics, 2014, 9, 226-233.	5.0	9
5	Permeability enhancement of the KcsA channel under radiation of a terahertz wave. Physical Review E, 2022, 105, 024104.	2.1	9
6	Dynamic polarization and energy dissipation for charged particles moving in magnetized two-component plasmas. Physical Review E, 2009, 79, 016405.	2.1	8
7	Modulation of continuous ion beams with low drift velocity by induced wakefield in background plasmas. Laser and Particle Beams, 2013, 31, 135-140.	1.0	8
8	Hollow structure formation of intense ion beams with sharp edge in background plasmas. Physics of Plasmas, 2016, 23, .	1.9	6
9	Double-ring structure formation of intense ion beams with finite radius in a pre-formed plasma. Physics of Plasmas, 2017, 24, 123103.	1.9	6
10	Influence of a strong laser field on the Coulomb explosion and the stopping power of fast C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>60</mml:mn></mml:msub></mml:math>clusters in plasmas. Physical Review A, 2012, 86, .	2.5	5
11	Collective energy-spectrum broadening of a proton beam in a gas-discharge plasma. Physical Review E, 2021, 103, 063216.	2.1	4
12	Electron self-injection in the proton-driven-plasma-wakefield acceleration. Physics of Plasmas, 2013, 20, .	1.9	3
13	Modulation of proton beams by relativistic electron beam-plasma instability. Physics of Plasmas, 2018, 25, 102104.	1.9	3
14	Gamma-ray beam produced by a plasma lens focused electron bunch. Physics of Plasmas, 2020, 27, 023103.	1.9	3
15	Enhanced collective stopping and drift of electron beams in fusion plasmas with heavy-ion species. Physical Review E, 2020, 101, 043203.	2.1	3
16	Simulation study of coupled two-stream and current filamentation instability excited by accelerator electron beams in plasmas. Physics of Plasmas, 2022, 29, .	1.9	3
17	Influence of a strong laser field on Coulomb explosion and stopping power of energetic H3+ clusters in plasmas. Physics of Plasmas, 2012, 19, 093116.	1.9	2
18	Modulation of ion beams in two-component plasmas: Three-dimensional particle-in-cell simulation. Physics of Plasmas, 2019, 26, 093104.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Harmonic plasma waves excitation and structure evolution of intense ion beams in background plasmas. Physics of Plasmas, 2016, 23, 083118.	1.9	1
20	Longitudinal magnetic field generation during the early stage of relativistic electron beam-plasma interaction. Physics of Plasmas, 2019, 26, 073104.	1.9	1
21	Multi-layer structure formation of relativistic electron beams in plasmas. Plasma Science and Technology, 2022, 24, 025001.	1.5	1
22	Interactions of ion beams with dense plasmas using hybrid simulations. , 2012, , .		0
23	Electron self-injection in the proton-driven-plasma-wakefield acceleration. , 2014, , .		0
24	X-ray beams produced by hot electrons with directional drift velocity in fusion plasmas. Plasma Physics and Controlled Fusion, 0, , .	2.1	0