

# Zhang-Hu Hu

## List of Publications by Year in descending order

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24  
papers

107  
citations

1307594

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h-index

1474206

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g-index

24  
all docs

24  
docs citations

24  
times ranked

62  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-layer structure formation of relativistic electron beams in plasmas. Plasma Science and Technology, 2022, 24, 025001.	1.5	1
2	Permeability enhancement of the KcsA channel under radiation of a terahertz wave. Physical Review E, 2022, 105, 024104.	2.1	9
3	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
4	Collective energy-spectrum broadening of a proton beam in a gas-discharge plasma. Physical Review E, 2021, 103, 063216.	2.1	4
5	Gamma-ray beam produced by a plasma lens focused electron bunch. Physics of Plasmas, 2020, 27, 023103.	1.9	3
6	Enhanced collective stopping and drift of electron beams in fusion plasmas with heavy-ion species. Physical Review E, 2020, 101, 043203.	2.1	3
7	Longitudinal magnetic field generation during the early stage of relativistic electron beam-plasma interaction. Physics of Plasmas, 2019, 26, 073104.	1.9	1
8	Modulation of ion beams in two-component plasmas: Three-dimensional particle-in-cell simulation. Physics of Plasmas, 2019, 26, 093104.	1.9	2
9	Modulation of proton beams by relativistic electron beam-plasma instability. Physics of Plasmas, 2018, 25, 102104.	1.9	3
10	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
11	Hollow structure formation of intense ion beams with sharp edge in background plasmas. Physics of Plasmas, 2016, 23, .	1.9	6
12	Harmonic plasma waves excitation and structure evolution of intense ion beams in background plasmas. Physics of Plasmas, 2016, 23, 083118.	1.9	1
13	Electron self-injection in the proton-driven-plasma-wakefield acceleration. , 2014, , .		0
14	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
15	Electron self-injection in the proton-driven-plasma-wakefield acceleration. Physics of Plasmas, 2013, 20, .	1.9	3
16	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
17	Influence of a strong laser field on Coulomb explosion and stopping power of energetic H <sup>3+</sup> clusters in plasmas. Physics of Plasmas, 2012, 19, 093116.	1.9	2
18	Time evolution and energy deposition for ion clusters injected into magnetized two-component plasmas. Physical Review E, 2012, 85, 016402.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Influence of a strong laser field on the Coulomb explosion and the stopping power of fast C $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 60 \langle / \text{mml:mn} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle$ clusters in plasmas. Physical Review A, 2012, 86, .	2.5	5
20	Interactions of ion beams with dense plasmas using hybrid simulations. , 2012, , .		0
21	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
22	Dynamic polarization and energy dissipation for charged particles moving in magnetized two-component plasmas. Physical Review E, 2009, 79, 016405.	2.1	8
23	Nonlinear stopping power for ions moving in magnetized two-component plasmas. Physics of Plasmas, 2009, 16, 112304.	1.9	9
24	X-ray beams produced by hot electrons with directional drift velocity in fusion plasmas. Plasma Physics and Controlled Fusion, 0, , .	2.1	0