

Wenlu Zhang

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of magnetic field on the parallel resistivity. Physical Review E, 2022, 105, .	2.1	2
2	Verification of Energetic-Particle-Induced Geodesic Acoustic Mode in Gyrokinetic Particle Simulations. Chinese Physics Letters, 2020, 37, 095201.	3.3	7
3	Temperature Gradient, Toroidal and Ion FLR Effects on Drift-Tearing Modes*. Chinese Physics Letters, 2020, 37, 085201.	3.3	1
4	Verification of an energetic-electron-driven $\hat{\nu}^2$ -induced Alfvén eigenmode in the HL-2A tokamak. Physics of Plasmas, 2019, 26, 102507.	1.9	5
5	Verification of gyrokinetic particle simulation of current-driven instability in fusion plasmas. IV. Drift-tearing mode. Physics of Plasmas, 2019, 26, .	1.9	4
6	Particle simulation of radio frequency waves with fully-kinetic ions and gyrokinetic electrons. Nuclear Fusion, 2018, 58, 016024.	3.5	4
7	Simulation of toroidicity-induced Alfvén eigenmode excited by energetic ions in HL-2A tokamak plasmas. Nuclear Fusion, 2018, 58, 126023.	3.5	0
8	Excitation of low frequency Alfvén eigenmodes in toroidal plasmas. Nuclear Fusion, 2017, 57, 114001.	3.5	15
9	A closed high-frequency Vlasov-Maxwell simulation model in toroidal geometry. Nuclear Fusion, 2017, 57, 126011.	3.5	5
10	Pushforward transformation of gyrokinetic moments under electromagnetic fluctuations. Physics of Plasmas, 2017, 24, 112114.	1.9	5
11	Derivation of the magnetized Balescu-Lenard-Guernsey collision term based on the Fokker-Planck approach. Physics of Plasmas, 2017, 24, 122120.	1.9	7
12	Verification of linear resistive tearing instability with gyrokinetic particle code VirtEx. Physics of Plasmas, 2017, 24, 102125.	1.9	5
13	Nonlinear co-existence of beta-induced Alfvén eigenmodes and beta-induced Alfvén-acoustic eigenmodes. Physics of Plasmas, 2017, 24, 092516.	1.9	9
14	10.1063/1.5004676.1. , 2017, , .		0
15	Gyrokinetic particle simulation of fast-electron driven beta-induced Alfvén eigenmode. Physics of Plasmas, 2016, 23, 052504.	1.9	24
16	Fokker-Planck equation in the presence of a uniform magnetic field. Physics of Plasmas, 2016, 23, 082105.	1.9	8
17	The Gyrokinetic Particle Simulation of Fusion Plasmas on Tianhe-2 Supercomputer. , 2016, , .		1
18	Verification of gyrokinetic particle simulation of current-driven instability in fusion plasmas. II. Resistive tearing mode. Physics of Plasmas, 2014, 21, .	1.9	33

#	ARTICLE	IF	CITATIONS
19	Does the orbit-averaged theory require a scale separation between periodic orbit size and perturbation correlation length?. Physics of Plasmas, 2013, 20, .	1.9	2
20	Comparison of toroidicity-induced Alfvén eigenmodes and energetic particle modes by gyrokinetic particle simulations. Physics of Plasmas, 2013, 20, .	1.9	14
21	Global gyrokinetic particle simulation of toroidal Alfvén eigenmodes excited by antenna and fast ions. Physics of Plasmas, 2012, 19, 022507.	1.9	31
22	Comment on "Electrostatic and Magnetic Transport of Energetic Ions in Turbulent Plasmas": Physical Review Letters, 2011, 107, 239501; discussion 239502.	7.8	10
23	Fluctuation characteristics and transport properties of collisionless trapped electron mode turbulence. Physics of Plasmas, 2010, 17, .	1.9	32
24	Gyrokinetic particle simulations of reversed shear Alfvén eigenmode excited by antenna and fast ions. Physics of Plasmas, 2010, 17, .	1.9	59
25	Scalings of energetic particle transport by ion temperature gradient microturbulence. Physics of Plasmas, 2010, 17, .	1.9	26
26	Transport of Energetic Particles by Microturbulence in Magnetized Plasmas. Physical Review Letters, 2008, 101, 095001.	7.8	121
27	Effect of shear flow and magnetic field on the Rayleigh-Taylor instability. Physics of Plasmas, 2005, 12, 042106.	1.9	20
28	Evolution of nonlocal ideal helical perturbations in cylindrical plasma. Physics of Plasmas, 2004, 11, 1987-1995.	1.9	0