

Wenlu Zhang

List of Publications by Year in descending order

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29
docs citations

29
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340
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport of Energetic Particles by Microturbulence in Magnetized Plasmas. Physical Review Letters, 2008, 101, 095001.	7.8	121
2	Gyrokinetic particle simulations of reversed shear Alfvén eigenmode excited by antenna and fast ions. Physics of Plasmas, 2010, 17, .	1.9	59
3	Verification of gyrokinetic particle simulation of current-driven instability in fusion plasmas. II. Resistive tearing mode. Physics of Plasmas, 2014, 21, .	1.9	33
4	Fluctuation characteristics and transport properties of collisionless trapped electron mode turbulence. Physics of Plasmas, 2010, 17, .	1.9	32
5	Global gyrokinetic particle simulation of toroidal Alfvén eigenmodes excited by antenna and fast ions. Physics of Plasmas, 2012, 19, 022507.	1.9	31
6	Scalings of energetic particle transport by ion temperature gradient microturbulence. Physics of Plasmas, 2010, 17, .	1.9	26
7	Gyrokinetic particle simulation of fast-electron driven beta-induced Alfvén eigenmode. Physics of Plasmas, 2016, 23, 052504.	1.9	24
8	Effect of shear flow and magnetic field on the Rayleigh–Taylor instability. Physics of Plasmas, 2005, 12, 042106.	1.9	20
9	Excitation of low frequency Alfvén eigenmodes in toroidal plasmas. Nuclear Fusion, 2017, 57, 114001.	3.5	15
10	Comparison of toroidicity-induced Alfvén eigenmodes and energetic particle modes by gyrokinetic particle simulations. Physics of Plasmas, 2013, 20, .	1.9	14
11	Comment on “Electrostatic and Magnetic Transport of Energetic Ions in Turbulent Plasmas”, Physical Review Letters, 2011, 107, 239501; discussion 239502.	7.8	10
12	Nonlinear co-existence of beta-induced Alfvén eigenmodes and beta-induced Alfvén-acoustic eigenmodes. Physics of Plasmas, 2017, 24, 092516.	1.9	9
13	Fokker-Planck equation in the presence of a uniform magnetic field. Physics of Plasmas, 2016, 23, 082105.	1.9	8
14	Derivation of the magnetized Balescu-Lenard-Guernsey collision term based on the Fokker-Planck approach. Physics of Plasmas, 2017, 24, 122120.	1.9	7
15	Verification of Energetic-Particle-Induced Geodesic Acoustic Mode in Gyrokinetic Particle Simulations. Chinese Physics Letters, 2020, 37, 095201.	3.3	7
16	A closed high-frequency Vlasov–Maxwell simulation model in toroidal geometry. Nuclear Fusion, 2017, 57, 126011.	3.5	5
17	Pushforward transformation of gyrokinetic moments under electromagnetic fluctuations. Physics of Plasmas, 2017, 24, 112114.	1.9	5
18	Verification of linear resistive tearing instability with gyrokinetic particle code VirtEx. Physics of Plasmas, 2017, 24, 102125.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Verification of an energetic-electron-driven \hat{I}^2 -induced Alfvén eigenmode in the HL-2A tokamak. Physics of Plasmas, 2019, 26, 102507.	1.9	5
20	Particle simulation of radio frequency waves with fully-kinetic ions and gyrokinetic electrons. Nuclear Fusion, 2018, 58, 016024.	3.5	4
21	Verification of gyrokinetic particle simulation of current-driven instability in fusion plasmas. IV. Drift-tearing mode. Physics of Plasmas, 2019, 26, .	1.9	4
22	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
23	Impact of magnetic field on the parallel resistivity. Physical Review E, 2022, 105, .	2.1	2
24	The Gyrokinetic Particle Simulation of Fusion Plasmas on Tianhe-2 Supercomputer. , 2016, , .		1
25	Temperature Gradient, Toroidal and Ion FLR Effects on Drift-Tearing Modes*. Chinese Physics Letters, 2020, 37, 085201.	3.3	1
26	Evolution of nonlocal ideal helical perturbations in cylindrical plasma. Physics of Plasmas, 2004, 11, 1987-1995.	1.9	0
27	Simulation of toroidicity-induced Alfvén eigenmode excited by energetic ions in HL-2A tokamak plasmas. Nuclear Fusion, 2018, 58, 126023.	3.5	0
28	10.1063/1.5004676.1., 2017, , .		0