

Yong Xiao

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

618
citations

14
h-index

24
g-index

29
ext. papers

696
ext. citations

2.4
avg, IF

3.88
L-index

#	Paper	IF	Citations
27	Global gyrokinetic simulation of neoclassical ambipolar electric field and its effects on microturbulence in W7-X stellarator. <i>Physics of Plasmas</i> , 2021 , 28, 062309	2.1	2
26	Drift Alfvén energetic particle stability with circulating particles. <i>Physics of Plasmas</i> , 2020 , 27, 062505	2.1	0
25	Global gyrokinetic particle simulations of microturbulence in W7-X and LHD stellarators. <i>Physics of Plasmas</i> , 2020 , 27, 082305	2.1	5
24	Gyrokinetic Simulation of Turbulence in the High- β Discharge on the Experimental Advanced Superconducting Tokamak. <i>Plasma Physics Reports</i> , 2020 , 46, 1137-1143	1.2	
23	Impurity effects on ion temperature gradient driven multiple modes in transport barriers. <i>Nuclear Fusion</i> , 2019 , 59, 076013	3.3	9
22	Gyrokinetic particle simulation of electrostatic microturbulence with impurity ions. <i>Physics of Plasmas</i> , 2018 , 25, 082508	2.1	3
21	Nonlinear gyrokinetic particle simulation of dissipative trapped electron mode. <i>Physics of Plasmas</i> , 2018 , 25, 102303	2.1	1
20	Gyrokinetic simulation of dissipative trapped electron mode in tokamak edge. <i>Physics of Plasmas</i> , 2017 , 24, 052509	2.1	6
19	New Paradigm for Turbulent Transport Across a Steep Gradient in Toroidal Plasmas. <i>Physical Review Letters</i> , 2017 , 118, 095001	7.4	25
18	Sensitivity of kinetic ballooning mode instability to tokamak equilibrium implementations. <i>Journal of Plasma Physics</i> , 2016 , 82,	2.7	4
17	Microturbulence in DIII-D tokamak pedestal. III. Effects of collisions. <i>Physics of Plasmas</i> , 2016 , 23, 122507	2.1	4
16	Parallel equilibrium current effect on existence of reversed shear Alfvén eigenmodes. <i>Physics of Plasmas</i> , 2015 , 22, 022518	2.1	14
15	Gyrokinetic particle simulation of microturbulence for general magnetic geometry and experimental profiles. <i>Physics of Plasmas</i> , 2015 , 22, 022516	2.1	34
14	Unconventional ballooning structures for toroidal drift waves. <i>Physics of Plasmas</i> , 2015 , 22, 090703	2.1	19
13	Microturbulence in DIII-D tokamak pedestal. I. Electrostatic instabilities. <i>Physics of Plasmas</i> , 2014 , 21, 042110	2.1	31
12	Nonlinear dynamics of beta-induced Alfvén eigenmode in tokamak. <i>Physics of Plasmas</i> , 2013 , 20, 012510	2.1	14
11	Global gyrokinetic particle simulation of toroidal Alfvén eigenmodes excited by antenna and fast ions. <i>Physics of Plasmas</i> , 2012 , 19, 022507	2.1	29

10	Turbulent transport of toroidal angular momentum in fusion plasmas. <i>Physics of Plasmas</i> , 2012 , 19, 012314		5
9	Convective motion in collisionless trapped electron mode turbulence. <i>Physics of Plasmas</i> , 2011 , 18, 110703		17
8	Gyrokinetic particle simulation of beta-induced Alfvén eigenmode. <i>Physics of Plasmas</i> , 2010 , 17, 112505	2.1	59
7	Fluctuation characteristics and transport properties of collisionless trapped electron mode turbulence. <i>Physics of Plasmas</i> , 2010 , 17, 022302	2.1	28
6	Gyrokinetic particle simulations of reversed shear Alfvén eigenmode excited by antenna and fast ions. <i>Physics of Plasmas</i> , 2010 , 17, 112504	2.1	53
5	Scalings of energetic particle transport by ion temperature gradient microturbulence. <i>Physics of Plasmas</i> , 2010 , 17, 055902	2.1	25
4	Turbulent transport of trapped-electron modes in collisionless plasmas. <i>Physical Review Letters</i> , 2009 , 103, 085004	7.4	94
3	Electromagnetic formulation of global gyrokinetic particle simulation in toroidal geometry. <i>Physics of Plasmas</i> , 2009 , 16, 122307	2.1	90
2	Guiding Center Orbit Studies in a Tokamak Edge Geometry Employing Boozer and Cartesian Coordinate. <i>Contributions To Plasma Physics</i> , 2008 , 48, 224-228	1.4	6
1	Global gyrokinetic particle simulations with kinetic electrons. <i>Plasma Physics and Controlled Fusion</i> , 2007 , 49, B163-B172	2	41