

# Yong Xiao

## List of Publications by Year in descending order

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papers

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citations

567281

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526287

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Turbulent Transport of Trapped-Electron Modes in Collisionless Plasmas. <i>Physical Review Letters</i> , 2009, 103, 085004.	7.8	116
2	Electromagnetic formulation of global gyrokinetic particle simulation in toroidal geometry. <i>Physics of Plasmas</i> , 2009, 16, 122307.	1.9	98
3	Gyrokinetic particle simulation of beta-induced Alfvén eigenmode. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	60
4	Gyrokinetic particle simulations of reversed shear Alfvén eigenmode excited by antenna and fast ions. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	59
5	Global gyrokinetic particle simulations with kinetic electrons. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B163-B172.	2.1	53
6	Gyrokinetic particle simulation of microturbulence for general magnetic geometry and experimental profiles. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	43
7	Microturbulence in DIII-D tokamak pedestal. I. Electrostatic instabilities. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	37
8	Fluctuation characteristics and transport properties of collisionless trapped electron mode turbulence. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	32
9	Global gyrokinetic particle simulation of toroidal Alfvén eigenmodes excited by antenna and fast ions. <i>Physics of Plasmas</i> , 2012, 19, 022507.	1.9	31
10	New Paradigm for Turbulent Transport Across a Steep Gradient in Toroidal Plasmas. <i>Physical Review Letters</i> , 2017, 118, 095001.	7.8	30
11	Scalings of energetic particle transport by ion temperature gradient microturbulence. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	26
12	Unconventional ballooning structures for toroidal drift waves. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	23
13	Global gyrokinetic particle simulations of microturbulence in W7-X and LHD stellarators. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	20
14	Parallel equilibrium current effect on existence of reversed shear Alfvén eigenmodes. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	18
15	Convective motion in collisionless trapped electron mode turbulence. <i>Physics of Plasmas</i> , 2011, 18, 110703.	1.9	17
16	Nonlinear dynamics of beta-induced Alfvén eigenmode in tokamak. <i>Physics of Plasmas</i> , 2013, 20, 012510.	1.9	16
17	Impurity effects on ion temperature gradient driven multiple modes in transport barriers. <i>Nuclear Fusion</i> , 2019, 59, 076013.	3.5	15
18	Gyrokinetic simulation of dissipative trapped electron mode in tokamak edge. <i>Physics of Plasmas</i> , 2017, 24, 052509.	1.9	11

#	ARTICLE	IF	CITATIONS
19	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.	1.9	9
20	Guiding Center Orbit Studies in a Tokamak Edge Geometry Employing Boozer and Cartesian Coordinate. <i>Contributions To Plasma Physics</i> , 2008, 48, 224-228.	1.1	6
21	Microturbulence in DIII-D tokamak pedestal. III. Effects of collisions. <i>Physics of Plasmas</i> , 2016, 23, 122507.	1.9	6
22	Sensitivity of kinetic ballooning mode instability to tokamak equilibrium implementations. <i>Journal of Plasma Physics</i> , 2016, 82, .	2.1	6
23	Turbulent transport of toroidal angular momentum in fusion plasmas. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	5
24	Drift Alfvén energetic particle stability with circulating particles. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	5
25	Nonlinear gyrokinetic particle simulation of dissipative trapped electron mode. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	3
26	Gyrokinetic particle simulation of electrostatic microturbulence with impurity ions. <i>Physics of Plasmas</i> , 2018, 25, 082508.	1.9	3
27	Study of turbulence in the high $\hat{I}^2_{P</sub>$ discharge using only RF heating on EAST. <i>Plasma Physics and Controlled Fusion</i> , 2022, 64, 045017.	2.1	2
28	Gyrokinetic Simulation of Turbulence in the High- $\hat{I}^2_{N}$ Discharge on the Experimental Advanced Superconducting Tokamak. <i>Plasma Physics Reports</i> , 2020, 46, 1137-1143.	0.9	1
29	Gyro-average method for global gyrokinetic particle simulation in realistic tokamak geometry. <i>Plasma Physics and Controlled Fusion</i> , 0, , .	2.1	0