

Yingfeng Xu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A gyrokinetic continuum code based on the numerical Lie transform (NLT) method. Journal of Computational Physics, 2016, 316, 180-192.	3.8	26
2	Linear gyrokinetic theory and computation of the gyrocenter motion based on the exact canonical variables for axisymmetric tokamaks. Physics of Plasmas, 2011, 18, .	1.9	21
3	Numerical simulations of NBI fast ion loss with RMPs on the EAST tokamak. Nuclear Fusion, 2020, 60, 086013.	3.5	18
4	Loss and redistribution of energetic passing ions with resonant magnetic perturbations. Physics of Plasmas, 2018, 25, .	1.9	17
5	Nonlinear gyrokinetic simulation of ion temperature gradient turbulence based on a numerical Lie-transform perturbation method. Physics of Plasmas, 2017, 24, .	1.9	15
6	Monte Carlo orbit-following simulations including the finite Larmor radius effect based on a phase-space coordinate transform method. Computer Physics Communications, 2019, 244, 40-48.	7.5	14
7	Nonlinear gyrokinetic theory based on a new method and computation of the guiding-center orbit in tokamaks. Physics of Plasmas, 2014, 21, 042505.	1.9	11
8	Nonlinear canonical gyrokinetic Vlasov equation and computation of the gyrocenter motion in tokamaks. Physics of Plasmas, 2013, 20, 012515.	1.9	10
9	A new continuum approach for nonlinear kinetic simulation and transport analysis. Physics of Plasmas, 2015, 22, .	1.9	8
10	Simulations of NBI fast ion loss in the presence of toroidal field ripple on EAST. Plasma Science and Technology, 2021, 23, 095102.	1.5	8
11	Ion heat pinch due to the magnetic drift resonance with the ion temperature gradient instability in a rotating plasma. Physics of Plasmas, 2017, 24, 030701.	1.9	7
12	Simulations of first-orbit losses of neutral beam injection (NBI) fast ions on EAST. Plasma Science and Technology, 2020, 22, 085101.	1.5	7
13	Gyrokinetic simulation of ITG turbulence with toroidal geometry including the magnetic axis by using field-aligned coordinates. Computer Physics Communications, 2019, 242, 72-82.	7.5	6
14	Simulations of the radial electric field induced by neutral beam injection in a tokamak. Nuclear Fusion, 2021, 61, 086002.	3.5	6
15	Electromagnetic gauge invariance of the nonlinear gyrokinetic theory and its implication for the truncation in gyrokinetic simulations. Plasma Physics and Controlled Fusion, 2013, 55, 015009.	2.1	5
16	Transport induced by ion cyclotron range of frequencies waves. Physics of Plasmas, 2014, 21, 112511.	1.9	5
17	Application of High Dimensional B-Spline Interpolation in Solving the Gyro-Kinetic Vlasov Equation Based on Semi-Lagrangian Method. Communications in Computational Physics, 2017, 22, 789-802.	1.7	5
18	Effects of resonant magnetic perturbations on neutral beam heating in a tokamak. Physics of Plasmas, 2021, 28, .	1.9	5

#	ARTICLE	IF	CITATIONS
19	Implementation of field-aligned coordinates in a semi-Lagrangian gyrokinetic code for tokamak turbulence simulation. Plasma Science and Technology, 2018, 20, 074008.	1.5	4
20	Influence of mean radial electric field on particle transport induced by RMPs in tokamak plasmas. Physics of Plasmas, 2018, 25, .	1.9	4
21	Nonlinear gyrokinetic theory and its application to computation of the gyrocenter motion in ripple field. Physics of Plasmas, 2016, 23, 062306.	1.9	3
22	In-out impurity density asymmetry due to the Coriolis force in a rotating tokamak plasma. Nuclear Fusion, 2018, 58, 106036.	3.5	3
23	Theory of gyrokinetic velocity moment and its application for zonal flows in a tokamak plasma. Nuclear Fusion, 2020, 60, 046015.	3.5	3
24	Quasilinear transport due to the magnetic drift resonance with the ion temperature gradient instability in a rotating plasma. Physics of Plasmas, 2017, 24, .	1.9	2
25	Effects of fast ions produced by ICRF heating on the pressure at EAST. Plasma Science and Technology, 2020, 22, 025101.	1.5	2
26	Simulations of energetic alpha particle loss in the presence of toroidal field ripple in the CFETR tokamak. Plasma Science and Technology, 2022, 24, 105101.	1.5	2
27	Linear gyrokinetic simulations of zonal flows in toroidal rotating plasmas. Physics of Plasmas, 2019, 26, .	1.9	1
28	Application of the gyrokinetic velocity moment theory in finite beta plasma. Physics of Plasmas, 2020, 27, 102307.	1.9	0
29	Transport of poloidal momentum induced by ion cyclotron range of frequencies waves. Physics of Plasmas, 2020, 27, .	1.9	0