

Zhihong Lin

List of Publications by Year in Descending Order

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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.

153 papers	4,968 citations	37 h-index	67 g-index
158 ext. papers	5,370 ext. citations	2.9 avg, IF	5.51 L-index

#	Paper	IF	Citations
153	Verification and validation of linear gyrokinetic and kinetic-MHD simulations for internal kink instability in DIII-D tokamak. <i>Nuclear Fusion</i> , 2022 , 62, 036021	3.3	0
152	Role of wave-particle resonance in turbulent transport in toroidal plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2022 , 64, 035005	2	0
151	Regulation of Alfvén Eigenmodes by Microturbulence in Fusion Plasmas.. <i>Physical Review Letters</i> , 2022 , 128, 185001	7.4	0
150	Interpretation of electromagnetic modes in the sub-TAE frequency range in JET plasmas with elevated monotonic q-profiles. <i>Physics of Plasmas</i> , 2021 , 28, 102511	2.1	0
149	Linear gyrokinetic simulations of reversed shear Alfvén eigenmodes and ion temperature gradient modes in DIII-D tokamak. <i>Plasma Science and Technology</i> , 2021 , 23, 015101	1.5	1
148	BAL instability observed without fast ion drive. <i>Nuclear Fusion</i> , 2021 , 61, 016029	3.3	10
147	Effects of equilibrium radial electric field on ion temperature gradient instability in the scrape-off layer of a field-reversed configuration. <i>Plasma Physics and Controlled Fusion</i> , 2021 , 63, 065001	2	3
146	Gyrokinetic simulation of low-frequency Alfvénic modes in DIII-D tokamak. <i>Nuclear Fusion</i> , 2021 , 61, 066007	3.3	7
145	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
144	Linear simulation of kinetic electromagnetic instabilities in a tokamak plasma with weak magnetic shear. <i>Physics of Plasmas</i> , 2021 , 28, 012107	2.1	1
143	Effects of resonant magnetic perturbations on radial electric fields in DIII-D tokamak. <i>Plasma Science and Technology</i> , 2021 , 23, 105104	1.5	1
142	Gyrokinetic simulations of double tearing modes in toroidal plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021 , 417, 127681	2.3	0
141	Temperature Gradient, Toroidal and Ion FLR Effects on Drift-Tearing Modes. <i>Chinese Physics Letters</i> , 2020 , 37, 085201	1.8	1
140	GTC simulation of linear stability of tearing mode and a model magnetic island stabilization by ECCD in toroidal plasma. <i>Physics of Plasmas</i> , 2020 , 27, 042507	2.1	2
139	Gyrokinetic particle simulations of interactions between energetic particles and magnetic islands induced by neoclassical tearing modes. <i>Physics of Plasmas</i> , 2020 , 27, 032508	2.1	1
138	Effects of Plasma Diamagnetic Drift on Alfvén Continua and Discrete Eigenmodes in Tokamaks. <i>Journal of Fusion Energy</i> , 2020 , 39, 382-389	1.6	2
137	Verification of local electrostatic gyrokinetic simulation of driftwave instability in field-reversed configuration. <i>Physics of Plasmas</i> , 2020 , 27, 112504	2.1	1

136	Verification of Energetic-Particle-Induced Geodesic Acoustic Mode in Gyrokinetic Particle Simulations. <i>Chinese Physics Letters</i> , 2020 , 37, 095201	1.8	4
135	Global gyrokinetic particle simulations of microturbulence in W7-X and LHD stellarators. <i>Physics of Plasmas</i> , 2020 , 27, 082305	2.1	5
134	Electrostatic quasi-neutral formulation of global cross-separatrix particle simulation in field-reversed configuration geometry. <i>Physics of Plasmas</i> , 2020 , 27, 082504	2.1	4
133	Kinetic particle simulations in a global toroidal geometry. <i>Physics of Plasmas</i> , 2019 , 26, 082507	2.1	2
132	Nonlinear saturation of kinetic ballooning modes by zonal fields in toroidal plasmas. <i>Physics of Plasmas</i> , 2019 , 26, 010701	2.1	9
131	Global gyrokinetic simulation of microturbulence with kinetic electrons in the presence of magnetic island in tokamak. <i>Physics of Plasmas</i> , 2019 , 26, 052510	2.1	10
130	Global simulation of ion temperature gradient instabilities in a field-reversed configuration. <i>Physics of Plasmas</i> , 2019 , 26, 042506	2.1	7
129	Effects of RMP-induced changes of radial electric fields on microturbulence in DIII-D pedestal top. <i>Nuclear Fusion</i> , 2019 , 59, 046005	3.3	12
128	Cross-separatrix simulations of turbulent transport in the field-reversed configuration. <i>Nuclear Fusion</i> , 2019 , 59, 066018	3.3	5
127	Verification and validation of integrated simulation of energetic particles in fusion plasmas. <i>Nuclear Fusion</i> , 2019 , 59, 066006	3.3	23
126	Formation of hot, stable, long-lived field-reversed configuration plasmas on the C-2W device. <i>Nuclear Fusion</i> , 2019 , 59, 112009	3.3	34
125	Gyrokinetic simulations of nonlinear interactions between magnetic islands and microturbulence. <i>Plasma Science and Technology</i> , 2019 , 21, 115102	1.5	5
124	Verification of an energetic-electron-driven \tilde{B} -induced Alfvén eigenmode in the HL-2A tokamak. <i>Physics of Plasmas</i> , 2019 , 26, 102507	2.1	4
123	Verification of gyrokinetic particle simulation of current-driven instability in fusion plasmas. IV. Drift-tearing mode. <i>Physics of Plasmas</i> , 2019 , 26, 092512	2.1	3
122	Heterogeneous Programming and Optimization of Gyrokinetic Toroidal Code Using Directives. <i>Lecture Notes in Computer Science</i> , 2019 , 3-21	0.9	1
121	Gyrokinetic simulations of toroidal Alfvén eigenmodes excited by energetic ions and external antennas on the Joint European Torus. <i>Nuclear Fusion</i> , 2019 , 59, 026008	3.3	3
120	A conservative scheme for electromagnetic simulation of magnetized plasmas with kinetic electrons. <i>Physics of Plasmas</i> , 2018 , 25, 022515	2.1	10
119	Particle simulation of radio frequency waves with fully-kinetic ions and gyrokinetic electrons. <i>Nuclear Fusion</i> , 2018 , 58, 016024	3.3	2

118	Simulation of toroidicity-induced Alfvén eigenmode excited by energetic ions in HL-2A tokamak plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 126023	3.3	
117	Combination Doppler backscattering/cross-polarization scattering diagnostic for the C-2W field-reversed configuration. <i>Review of Scientific Instruments</i> , 2018 , 89, 10H116	1.7	3
116	Effect of resonant magnetic perturbations on microturbulence in DIII-D pedestal. <i>Nuclear Fusion</i> , 2017 , 57, 016005	3.3	20
115	New Paradigm for Turbulent Transport Across a Steep Gradient in Toroidal Plasmas. <i>Physical Review Letters</i> , 2017 , 118, 095001	7.4	25
114	Effects of magnetic islands on bootstrap current in toroidal plasmas. <i>Nuclear Fusion</i> , 2017 , 57, 036009	3.3	11
113	Gyrokinetic particle simulations of the effects of compressional magnetic perturbations on drift-Alfvénic instabilities in tokamaks. <i>Physics of Plasmas</i> , 2017 , 24, 081205	2.1	16
112	Drift-wave stability in the field-reversed configuration. <i>Physics of Plasmas</i> , 2017 , 24, 082512	2.1	10
111	Preface to Special Issue Containing Invited Papers Presented at Gyrokinetic Particle Simulation: A Symposium in Honor of Wei-li Lee (University of California, Irvine, July 18-22, 2016). <i>Physics of Plasmas</i> , 2017 , 24, 081101	2.1	
110	Excitation of low frequency Alfvén eigenmodes in toroidal plasmas. <i>Nuclear Fusion</i> , 2017 , 57, 114001	3.3	10
109	A closed high-frequency Vlasov-Maxwell simulation model in toroidal geometry. <i>Nuclear Fusion</i> , 2017 , 57, 126011	3.3	3
108	Effects of electron cyclotron current drive on magnetic islands in tokamak plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 082508	2.1	10
107	Achievement of field-reversed configuration plasma sustainment via 10 MW neutral-beam injection on the C-2U device. <i>Nuclear Fusion</i> , 2017 , 57, 116021	3.3	40
106	A conservative scheme of drift kinetic electrons for gyrokinetic simulation of kinetic-MHD processes in toroidal plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 102516	2.1	12
105	Pushforward transformation of gyrokinetic moments under electromagnetic fluctuations. <i>Physics of Plasmas</i> , 2017 , 24, 112114	2.1	4
104	Nonlinear co-existence of beta-induced Alfvén eigenmodes and beta-induced Alfvén-acoustic eigenmodes. <i>Physics of Plasmas</i> , 2017 , 24, 092516	2.1	6
103	Gyrokinetic particle simulation of a field reversed configuration. <i>Physics of Plasmas</i> , 2016 , 23, 012509	2.1	12
102	Electron cyclotron heating can drastically alter reversed shear Alfvén eigenmode activity in DIII-D through finite pressure effects. <i>Nuclear Fusion</i> , 2016 , 56, 112007	3.3	32
101	Suppressed ion-scale turbulence in a hot high- β plasma. <i>Nature Communications</i> , 2016 , 7, 13860	17.4	28

100	Nonlinear electromagnetic formulation for particle-in-cell simulation of lower hybrid waves in toroidal geometry. <i>Physics of Plasmas</i> , 2016 , 23, 062501	2.1	8
99	Verification of gyrokinetic particle simulation of current-driven instability in fusion plasmas. III. Collisionless tearing mode. <i>Physics of Plasmas</i> , 2016 , 23, 022502	2.1	8
98	Sensitivity of kinetic ballooning mode instability to tokamak equilibrium implementations. <i>Journal of Plasma Physics</i> , 2016 , 82,	2.7	4
97	The Implementation of Magnetic Islands in Gyrokinetic Toroidal Code. <i>Plasma Science and Technology</i> , 2016 , 18, 126-130	1.5	5
96	Role of convective cell in nonlinear interaction of kinetic Alfvén waves. <i>Physics of Plasmas</i> , 2016 , 23, 102303	2.1	8
95	Gyrokinetic particle simulation of beta-induced Alfvén-acoustic eigenmode. <i>Physics of Plasmas</i> , 2016 , 23, 042510	2.1	11
94	Multiple toroidal Alfvén eigenmodes with a single toroidal mode number in KSTAR plasmas. <i>Nuclear Fusion</i> , 2016 , 56, 112016	3.3	4
93	Gyrokinetic particle simulation of fast-electron driven beta-induced Alfvén eigenmode. <i>Physics of Plasmas</i> , 2016 , 23, 052504	2.1	20
92	Electromagnetic particle simulation of the effect of toroidicity on linear mode conversion and absorption of lower hybrid waves. <i>Nuclear Fusion</i> , 2016 , 56, 066007	3.3	5
91	Microturbulence in DIII-D tokamak pedestal. III. Effects of collisions. <i>Physics of Plasmas</i> , 2016 , 23, 122507	2.1	4
90	Microturbulence in DIII-D tokamak pedestal. IV. Electrostatic turbulent transport. <i>Physics of Plasmas</i> , 2016 , 23, 122305	2.1	7
89	Gyrokinetic simulation of driftwave instability in field-reversed configuration. <i>Physics of Plasmas</i> , 2016 , 23, 056111	2.1	11
88	The Gyrokinetic Particle Simulation of Fusion Plasmas on Tianhe-2 Supercomputer 2016 ,		1
87	Properties of toroidal Alfvén eigenmode in DIII-D plasma. <i>Physics of Plasmas</i> , 2015 , 22, 022509	2.1	14
86	Gyrokinetic particle simulation of microturbulence for general magnetic geometry and experimental profiles. <i>Physics of Plasmas</i> , 2015 , 22, 022516	2.1	34
85	. <i>Computing in Science and Engineering</i> , 2015 , 17, 10-21	1.5	2
84	Method to integrate full particle orbit in toroidal plasmas. <i>Physics of Plasmas</i> , 2015 , 22, 092502	2.1	6
83	Verification of nonlinear particle simulation of radio frequency waves in tokamak. <i>Physics of Plasmas</i> , 2015 , 22, 102515	2.1	17

82	Nonlinear particle simulation of ion cyclotron waves in toroidal geometry 2015 ,		2
81	Microturbulence in DIII-D tokamak pedestal. II. Electromagnetic instabilities. <i>Nuclear Fusion</i> , 2015 , 55, 093020	3.3	12
80	Global particle simulation of lower hybrid wave propagation and mode conversion in tokamaks 2015 ,		1
79	Particle simulation of lower hybrid wave propagation in fusion plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 095020	2	15
78	Verification of gyrokinetic particle simulation of current-driven instability in fusion plasmas. I. Internal kink mode. <i>Physics of Plasmas</i> , 2014 , 21, 122519	2.1	30
77	Verification of gyrokinetic particle simulation of current-driven instability in fusion plasmas. II. Resistive tearing mode. <i>Physics of Plasmas</i> , 2014 , 21, 122520	2.1	30
76	Effects of magnetic islands on drift wave instability. <i>Physics of Plasmas</i> , 2014 , 21, 122513	2.1	11
75	Microturbulence in DIII-D tokamak pedestal. I. Electrostatic instabilities. <i>Physics of Plasmas</i> , 2014 , 21, 042110	2.1	31
74	Does the orbit-averaged theory require a scale separation between periodic orbit size and perturbation correlation length?. <i>Physics of Plasmas</i> , 2013 , 20, 102306	2.1	1
73	Comparison of toroidicity-induced Alfvén eigenmodes and energetic particle modes by gyrokinetic particle simulations. <i>Physics of Plasmas</i> , 2013 , 20, 052501	2.1	14
72	Nonlinear dynamics of beta-induced Alfvén eigenmode in tokamak. <i>Physics of Plasmas</i> , 2013 , 20, 012510	2.1	14
71	Verification of electromagnetic fluid-kinetic hybrid electron model in global gyrokinetic particle simulation. <i>Physics of Plasmas</i> , 2013 , 20, 032309	2.1	35
70	Verification of particle simulation of radio frequency waves in fusion plasmas. <i>Physics of Plasmas</i> , 2013 , 20, 102515	2.1	15
69	GTC Simulation of Ideal Ballooning Mode in Tokamak Plasmas. <i>Plasma Science and Technology</i> , 2013 , 15, 499-505	1.5	2
68	Nonlinear Generation of Zonal Fields by the Beta-Induced Alfvén Eigenmode in Tokamak. <i>Plasma Science and Technology</i> , 2013 , 15, 969-973	1.5	9
67	Radial localization of toroidicity-induced Alfvén eigenmodes. <i>Physical Review Letters</i> , 2013 , 111, 145003	7.4	72
66	Linear properties of reversed shear Alfvén eigenmodes in the DIII-D tokamak. <i>Nuclear Fusion</i> , 2012 , 52, 043006	3.3	43
65	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

64	Nonlinear frequency oscillation of Alfvén eigenmodes in fusion plasmas. <i>Physical Review Letters</i> , 2012 , 109, 025001	7.4	61
63	Turbulent transport of toroidal angular momentum in fusion plasmas. <i>Physics of Plasmas</i> , 2012 , 19, 012314	5	
62	Verification and validation of linear gyrokinetic simulation of Alfvén eigenmodes in the DIII-D tokamak. <i>Physics of Plasmas</i> , 2012 , 19, 082511	2.1	37
61	Verification of Gyrokinetic Particle Simulation of Device Size Scaling of Turbulent Transport. <i>Plasma Science and Technology</i> , 2012 , 14, 1125-1126	1.5	10
60	Gyrokinetic simulation model for kinetic magnetohydrodynamic processes in magnetized plasmas. <i>Nuclear Fusion</i> , 2012 , 52, 023005	3.3	40
59	Gyrokinetic Simulation of Magnetic Compressional Modes in General Geometry. <i>Communications in Computational Physics</i> , 2011 , 10, 899-911	2.4	10
58	Comment on "Electrostatic and magnetic transport of energetic ions in turbulent plasmas". <i>Physical Review Letters</i> , 2011 , 107, 239501; discussion 239502	7.4	9
57	Gyrokinetic particle simulation of drift-compressional modes in dipole geometry. <i>Physics of Plasmas</i> , 2011 , 18, 072107	2.1	11
56	Convective motion in collisionless trapped electron mode turbulence. <i>Physics of Plasmas</i> , 2011 , 18, 110703	17	
55	Effects of electron dynamics in toroidal momentum transport driven by ion temperature gradient turbulence. <i>Plasma Physics and Controlled Fusion</i> , 2010 , 52, 035002	2	9
54	Gyrokinetic particle simulation of beta-induced Alfvén eigenmode. <i>Physics of Plasmas</i> , 2010 , 17, 112505	2.1	59
53	Gyrokinetic simulation of turbulence driven geodesic acoustic modes in edge plasmas of HL-2A tokamak. <i>Physics of Plasmas</i> , 2010 , 17, 112318	2.1	21
52	Fluctuation characteristics and transport properties of collisionless trapped electron mode turbulence. <i>Physics of Plasmas</i> , 2010 , 17, 022302	2.1	28
51	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
50	Scalings of energetic particle transport by ion temperature gradient microturbulence. <i>Physics of Plasmas</i> , 2010 , 17, 055902	2.1	25
49	Trapped electron damping of geodesic acoustic mode. <i>Physics of Plasmas</i> , 2010 , 17, 072502	2.1	39
48	Compressed ion temperature gradient turbulence in diverted tokamak edge. <i>Physics of Plasmas</i> , 2009 , 16, 056108	2.1	73
47	Turbulent transport of trapped-electron modes in collisionless plasmas. <i>Physical Review Letters</i> , 2009 , 103, 085004	7.4	94

46	The importance of parallel nonlinearity in the self-interaction of geodesic acoustic mode. <i>Nuclear Fusion</i> , 2009 , 49, 125009	3.3	17
45	Electromagnetic formulation of global gyrokinetic particle simulation in toroidal geometry. <i>Physics of Plasmas</i> , 2009 , 16, 122307	2.1	90
44	Nonlinear saturation of mirror instability. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	10
43	Transport of energetic particles by microturbulence in magnetized plasmas. <i>Physical Review Letters</i> , 2008 , 101, 095001	7.4	110
42	Gyrokinetic particle simulations of toroidal momentum transport. <i>Physics of Plasmas</i> , 2008 , 15, 092302	2.1	26
41	A particle simulation of current sheet instabilities under finite guide field. <i>Physics of Plasmas</i> , 2008 , 15, 072103	2.1	22
40	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
39	Wave-particle decorrelation and transport of anisotropic turbulence in collisionless plasmas. <i>Physical Review Letters</i> , 2007 , 99, 265003	7.4	59
38	Gyrokinetic theory and simulation of mirror instability. <i>Physics of Plasmas</i> , 2007 , 14, 042108	2.1	11
37	Electromagnetic global gyrokinetic simulation of shear Alfvén wave dynamics in tokamak plasmas. <i>Physics of Plasmas</i> , 2007 , 14, 042503	2.1	25
36	Statistical analysis of fluctuations and noise-driven transport in particle-in-cell simulations of plasma turbulence. <i>Physics of Plasmas</i> , 2007 , 14, 032306	2.1	26
35	Global gyrokinetic particle simulations with kinetic electrons. <i>Plasma Physics and Controlled Fusion</i> , 2007 , 49, B163-B172	2	41
34	A Finite Element Mesh in a Tokamak Edge Geometry. <i>Contributions To Plasma Physics</i> , 2006 , 46, 551-556	1.4	6
33	Global particle-in-cell simulations of microturbulence with kinetic electrons. <i>Physics of Plasmas</i> , 2006 , 13, 072306	2.1	4
32	A finite element Poisson solver for gyrokinetic particle simulations in a global field aligned mesh. <i>Journal of Computational Physics</i> , 2006 , 214, 657-671	4.1	26
31	Gyrokinetic particle-in-cell simulations of plasma microturbulence on advanced computing platforms. <i>Journal of Physics: Conference Series</i> , 2005 , 16, 1-15	0.3	40
30	A gyrokinetic electron and fully kinetic ion plasma simulation model. <i>Plasma Physics and Controlled Fusion</i> , 2005 , 47, 657-669	2	39
29	On the dynamics of edge-core coupling. <i>Physics of Plasmas</i> , 2005 , 12, 090903	2.1	40

28	Role of nonlinear toroidal coupling in electron temperature gradient turbulence). <i>Physics of Plasmas</i> , 2005 , 12, 056125	2.1	69
27	Turbulence spreading and transport scaling in global gyrokinetic particle simulations. <i>Physics of Plasmas</i> , 2004 , 11, 1099-1108	2.1	106
26	Resonant plasma heating below the cyclotron frequency. <i>Physics of Plasmas</i> , 2002 , 9, 1890-1897	2.1	70
25	Size scaling of turbulent transport in magnetically confined plasmas. <i>Physical Review Letters</i> , 2002 , 88, 195004	7.4	188
24	Non-linear zonal dynamics of drift and drift-Alfvén turbulence in tokamak plasmas. <i>Nuclear Fusion</i> , 2001 , 41, 747-753	3.3	64
23	Gyrokinetic calculations of the neoclassical radial electric field in stellarator plasmas. <i>Physics of Plasmas</i> , 2001 , 8, 2849-2854	2.1	16
22	On resonant heating below the cyclotron frequency. <i>Physics of Plasmas</i> , 2001 , 8, 4713-4716	2.1	137
21	Shear-Alfvén waves in gyrokinetic plasmas. <i>Physics of Plasmas</i> , 2001 , 8, 4435-4440	2.1	61
20	Recent advances in the design of quasisymmetric stellarator plasma configurations. <i>Physics of Plasmas</i> , 2001 , 8, 2083-2094	2.1	41
19	A fluid-kinetic hybrid electron model for electromagnetic simulations. <i>Physics of Plasmas</i> , 2001 , 8, 1447-1450	1.5	100
18	Sheared-flow modes in toroidal geometry. <i>Physics of Plasmas</i> , 2000 , 7, 588-595	2.1	3
17	Gyrokinetic simulations in general geometry and applications to collisional damping of zonal flows. <i>Physics of Plasmas</i> , 2000 , 7, 1857-1862	2.1	73
16	Physics issues in the design of high-beta, low-aspect-ratio stellarator experiments. <i>Physics of Plasmas</i> , 2000 , 7, 1911-1918	2.1	51
15	Excitation of zonal flow by drift waves in toroidal plasmas. <i>Physics of Plasmas</i> , 2000 , 7, 3129-3132	2.1	249
14	Physics design of a high-beta quasi-axisymmetric stellarator. <i>Plasma Physics and Controlled Fusion</i> , 1999 , 41, B273-B283	2	48
13	Shearing rate of time-dependent EB flow. <i>Physics of Plasmas</i> , 1999 , 6, 922-926	2.1	230
12	Effects of Collisional Zonal Flow Damping on Turbulent Transport. <i>Physical Review Letters</i> , 1999 , 83, 3645-3648	3.4	219
11	Turbulent transport reduction by zonal flows: massively parallel simulations. <i>Science</i> , 1998 , 281, 1835-7	3.3	785

10	Sheared rotation effects on kinetic stability in enhanced confinement tokamak plasmas, and nonlinear dynamics of fluctuations and flows in axisymmetric plasmas. <i>Physics of Plasmas</i> , 1998 , 5, 1815-1821	2.1	26
9	Neoclassical Transport in Enhanced Confinement Toroidal Plasmas. <i>Physical Review Letters</i> , 1997 , 78, 456-459	7.4	50
8	Large orbit neoclassical transport. <i>Physics of Plasmas</i> , 1997 , 4, 1707-1713	2.1	32
7	Method for solving the gyrokinetic Poisson equation in general geometry. <i>Physical Review E</i> , 1995 , 52, 5646-5652	2.4	62
6	Gyrokinetic particle simulation of neoclassical transport. <i>Physics of Plasmas</i> , 1995 , 2, 2975-2988	2.1	121
5	Calibration of the TFTR lost alpha diagnostic. <i>Review of Scientific Instruments</i> , 1992 , 63, 4418-4426	1.7	8
4	Deep learning based surrogate model for first-principles global simulations of fusion plasmas. <i>Nuclear Fusion</i> ,	3.3	3
3	Effects of zonal flows on ion temperature gradient instability in the scrape-off layer of a field-reversed configuration. <i>Nuclear Fusion</i> ,	3.3	2
2	Simulation of equilibrium and transport in advanced FRCs. <i>Nuclear Fusion</i> ,	3.3	1
1	Overview of C-2W: High-temperature, steady-state beam-driven field-reversed configuration plasmas. <i>Nuclear Fusion</i> ,	3.3	9