

# W W Lee

## List of Publications by Year in descending order

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52  
papers

4,204  
citations

257450

24  
h-index

243625

44  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite Larmor radius effects at the high confinement mode pedestal and the related force-free steady state. <i>Physics of Plasmas</i> , 2019, 26, 040701.	1.9	0
2	Response to "Comment on "Equilibrium potential well due to finite Larmor radius effects at the tokamak edge" [Phys. Plasmas 25, 054701 (2018)]. <i>Physics of Plasmas</i> , 2018, 25, 054702.	1.9	2
3	Equilibrium potential well due to finite Larmor radius effects at the tokamak edge. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	7
4	Gyrokinetic magnetohydrodynamics and the associated equilibria. <i>Physics of Plasmas</i> , 2017, 24, 124508.	1.9	2
5	Magnetohydrodynamics for collisionless plasmas from the gyrokinetic perspective. <i>Physics of Plasmas</i> , 2016, 23, 070705.	1.9	4
6	Finite- $\hat{I}^2$ simulation of microinstabilities. <i>Physics of Plasmas</i> , 2014, 21, 022505.	1.9	12
7	Anomalous Diffusion and Ion Heating in the Presence of Electrostatic Hydrogen Cyclotron Instabilities. <i>Geophysical Monograph Series</i> , 2013, , 283-287.	0.1	3
8	A generalized weight-based particle-in-cell simulation scheme. <i>Computer Physics Communications</i> , 2011, 182, 564-569.	7.5	5
9	Characteristics of turbulence-driven plasma flow and origin of experimental empirical scalings of intrinsic rotation. <i>Physics of Plasmas</i> , 2011, 18, 042502.	1.9	11
10	Gyrokinetic Studies on Turbulence-Driven and Neoclassical Nondiffusive Toroidal-Momentum Transport and the Effect of Residual Fluctuations in Strong $E \times B$ Shear. <i>Physical Review Letters</i> , 2009, 102, 035005.	7.8	48
11	On higher order corrections to gyrokinetic Vlasov-Poisson equations in the long wavelength limit. <i>Physics of Plasmas</i> , 2009, 16, 044506.	1.9	11
12	Response to "Comment on "On higher-order corrections to gyrokinetic Vlasov-Poisson equations in the long wavelength limit" [Phys. Plasmas 16, 124701 (2009)]. <i>Physics of Plasmas</i> , 2009, 16, 124702.	1.9	1
13	Multiscale Turbulence Simulation and Steady State Transport. , 2008, , .		1
14	Nonlinear turbulent transport in magnetic fusion plasmas. <i>Computational Science &amp; Discovery</i> , 2008, 1, 015010.	1.5	8
15	High Frequency Gyrokinetic Particle-in-Cell Simulation: Application to Heating of Magnetically Confined Plasmas. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
16	Fluctuations and discrete particle noise in gyrokinetic simulation of drift waves. <i>Physics of Plasmas</i> , 2007, 14, 032307.	1.9	6
17	Nonlocal properties of gyrokinetic turbulence and the role of $E \times B$ flow shear. <i>Physics of Plasmas</i> , 2007, 14, 072306.	1.9	69
18	High frequency gyrokinetic particle simulation. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	8

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19	Fine-Scale Zonal Flow Suppression of Electron Temperature Gradient Turbulence. AIP Conference Proceedings, 2006, , .	0.4	11
20	Gyro-kinetic simulation of global turbulent transport properties in tokamak experiments. Physics of Plasmas, 2006, 13, 092505.	1.9	117
21	Theoretical and numerical properties of a gyrokinetic plasma: issues related to transport time scale simulation. Computer Physics Communications, 2004, 164, 244-250.	7.5	3
22	Alfvén waves in gyrokinetic plasmas. Physics of Plasmas, 2003, 10, 3196-3203.	1.9	22
23	Overview of theory and modeling in the heavy ion fusion virtual national laboratory. Laser and Particle Beams, 2002, 20, 377-384.	1.0	14
24	Shear-Alfvén waves in gyrokinetic plasmas. Physics of Plasmas, 2001, 8, 4435-4440.	1.9	65
25	Sheared-flow modes in toroidal geometry. Physics of Plasmas, 2000, 7, 588-595.	1.9	3
26	Gyrokinetic simulations in general geometry and applications to collisional damping of zonal flows. Physics of Plasmas, 2000, 7, 1857-1862.	1.9	77
27	On the gyrokinetic equilibrium. Physics of Plasmas, 2000, 7, 991-1000.	1.9	20
28	Gyrocenter-gauge kinetic theory. Physics of Plasmas, 2000, 7, 4433-4445.	1.9	34
29	The split-weight particle simulation scheme for plasmas. Physics of Plasmas, 2000, 7, 1381-1385.	1.9	65
30	Shearing rate of time-dependent $E \times B$ flow. Physics of Plasmas, 1999, 6, 922-926.	1.9	248
31	Effects of Collisional Zonal Flow Damping on Turbulent Transport. Physical Review Letters, 1999, 83, 3645-3648.	7.8	237
32	Gyrokinetic perpendicular dynamics. Physics of Plasmas, 1999, 6, 1575-1588.	1.9	33
33	Turbulent Transport Reduction by Zonal Flows: Massively Parallel Simulations. , 1998, 281, 1835-1837.		870
34	Large orbit neoclassical transport. Physics of Plasmas, 1997, 4, 1707-1713.	1.9	33
35	Gyrokinetic simulation of isotope effects in tokamak plasmas. Physics of Plasmas, 1997, 4, 169-173.	1.9	32
36	Gyrokinetic particle simulation of neoclassical transport. Physics of Plasmas, 1995, 2, 2975-2988.	1.9	135

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37	Kinetic simulation of microinstabilities in tokamak plasmas. AIP Conference Proceedings, 1994, , .	0.4	0
38	Comparisons of gyrofluid and gyrokinetic simulations*. Physics of Plasmas, 1994, 1, 1461-1468.	1.9	48
39	Partially Linearized Algorithms in Gyrokinetic Particle Simulation. Journal of Computational Physics, 1993, 107, 309-323.	3.8	140
40	Gyrokinetic simulation of ion temperature gradient driven turbulence in 3D toroidal geometry. Physical Review Letters, 1993, 71, 2042-2045.	7.8	175
41	A fully nonlinear characteristic method for gyrokinetic simulation. Physics of Fluids B, 1993, 5, 77-86.	1.7	304
42	Three-dimensional hybrid gyrokinetic-magnetohydrodynamics simulation. Physics of Fluids B, 1992, 4, 2033-2037.	1.7	115
43	Nonlinear mechanisms for drift wave saturation and induced particle transport. Physics of Fluids B, 1991, 3, 1557-1569.	1.7	6
44	Nonlinear gyrokinetic theory for finite-beta plasmas. Physics of Fluids, 1988, 31, 1940.	1.4	235
45	Gyrokinetic particle simulation of ion temperature gradient drift instabilities. Physics of Fluids, 1988, 31, 612.	1.4	89
46	Gyrokinetic particle simulation model. Journal of Computational Physics, 1987, 72, 243-269.	3.8	383
47	Equilibrium fluctuation energy of gyrokinetic plasma. Physics of Fluids, 1986, 29, 2421.	1.4	32
48	Nonlinear evolution of drift instabilities. Physics of Fluids, 1984, 27, 2652.	1.4	32
49	Gyrokinetic approach in particle simulation. Physics of Fluids, 1983, 26, 556.	1.4	410
50	Ion temperature drift instabilities in a sheared magnetic field. Physics of Fluids, 1980, 23, 2007.	1.4	16
51	3D simulation studies of the two-stream instability in intense particle beams based on the Vlasov-Maxwell equations. , 0, , .		2
52	Nonlinear $\hat{F}$ simulation studies of intense charged particle beams with large pressure anisotropy. , 0, , .		0