Patrick H Diamond

List of Publications by Year
in descending order

422	19,790	13854 67	17090 122
papers	citations	h-index	g-index

430	430	430	3955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ion heat and parallel momentum transport by stochastic magnetic fields and turbulence. Plasma Physics and Controlled Fusion, 2022, 64, 015006.	0.9	2
2	SOL width broadening by spreading of pedestal turbulence. Nuclear Fusion, 2022, 62, 066021.	1.6	8
3	Instability and turbulent relaxation in a stochastic magnetic field. Plasma Physics and Controlled Fusion, 2022, 64, 035016.	0.9	6
4	Electrode biasing maintains the edge shear layer at high density in the J-TEXT tokamak. Nuclear Fusion, 2022, 62, 076014.	1.6	8
5	Zonal shear layer collapse and the power scaling of the density limit: old L-H wine in new bottles. Plasma Physics and Controlled Fusion, 2022, 64, 084004.	0.9	2
6	A unified theory of zonal flow shears and density corrugations in drift wave turbulence. Plasma Physics and Controlled Fusion, 2021, 63, 035015.	0.9	18
7	Anisotropic Eâ€‰‹b›Ã—‹/b›â€‰B shearing rate in a magnetic island. Physics of Plasmas, 2021, 28, .	0.7	17
8	Potential vorticity transport in weakly and strongly magnetized plasmas. Physics of Plasmas, 2021, 28, 042301.	0.7	9
9	Bounds on edge shear layer persistence while approaching the density limit. Nuclear Fusion, 2021, 61, 076009.	1.6	11
10	Physics of turbulence spreading and explicit nonlocality. Plasma Physics and Controlled Fusion, 2021, 63, 085017.	0.9	4
11	Let it rip: The mechanics of self-bisection in asexual planarians determines their population reproductive strategies. Physical Biology, 2021, 19, .	0.8	2
12	Enhanced particle transport events approaching the density limit of the J-TEXT tokamak. Nuclear Fusion, 2021, 61, 126066.	1.6	9
13	A reduced model for edge localized mode control by supersonic molecular beam injection and pellet injection. Physics of Plasmas, 2020, 27, 072503.	0.7	2
14	Evidence and modeling of turbulence bifurcation in L-mode confinement transitions on Alcator C-Mod. Physics of Plasmas, 2020, 27, 052303.	0.7	4
15	Turbulence model reduction by deep learning. Physical Review E, 2020, 101, 061201.	0.8	10
16	Potential Vorticity Mixing in a Tangled Magnetic Field. Astrophysical Journal, 2020, 892, 24.	1.6	14
17	When does turbulence spreading matter?. Physics of Plasmas, 2020, 27, .	0.7	5
18	A closer look at turbulence spreading: How bistability admits intermittent, propagating turbulence fronts. Physics of Plasmas, 2020, 27, 032303.	0.7	2

#	Article	IF	Citations
19	Learning how structures form in drift-wave turbulence. Plasma Physics and Controlled Fusion, 2020, 62, 105017.	0.9	3
20	Understanding LOC/SOC phenomenology in tokamaks. Nuclear Fusion, 2020, 60, 105001.	1.6	18
21	Enhancements of residual Reynolds stresses by magnetic perturbations in the edge plasmas of the J-TEXT tokamak. Nuclear Fusion, 2020, 60, 106030.	1.6	5
22	Curvature of Radial Electric Field Aggravates Edge Magnetohydrodynamics Mode in Toroidally Confined Plasmas. Physical Review Letters, 2020, 125, 255003.	2.9	8
23	Studies of Reynolds stress and the turbulent generation of edge poloidal flows on the HL-2A tokamak. Nuclear Fusion, 2019, 59, 106010.	1.6	8
24	Hysteresis as a probe of turbulent bifurcation in intrinsic rotation reversals on Alcator C-Mod. Nuclear Fusion, 2019, 59, 104001.	1.6	7
25	Scale selection and feedback loops for patterns in drift wave-zonal flow turbulence. Plasma Physics and Controlled Fusion, 2019, 61, 105002.	0.9	16
26	Mouth Function Determines the Shape Oscillation Pattern in Regenerating Hydra Tissue Spheres. Biophysical Journal, 2019, 117, 1145-1155.	0.2	12
27	Summary of the fundamental plasma physics session in the first AAPPS-DPP conference. Reviews of Modern Plasma Physics, 2019, 3, 1.	2.2	0
28	Spontaneous transport barriers quench turbulent resistivity in two-dimensional magnetohydrodynamics. Physical Review E, 2019, 99, 041201.	0.8	2
29	Subcritical turbulence spreading and avalanche birth. Physics of Plasmas, 2019, 26, .	0.7	6
30	Nonlinear phase bores in drift wave-zonal flow dynamics. Physics of Plasmas, 2019, 26, 102304.	0.7	2
31	Dynamics of potential vorticity staircase evolution and step mergers in a reduced model of beta-plane turbulence. Physical Review Fluids, 2019, 4, .	1.0	5
32	The ecology of flows and drift wave turbulence in CSDX: A model. Physics of Plasmas, 2018, 25, .	0.7	6
33	Another look at zonal flows: Resonance, shearing, and frictionless saturation. Physics of Plasmas, 2018, 25, 042113.	0.7	9
34	Observation of multi-channel non-local transport in J-TEXT plasmas. Nuclear Fusion, 2018, 58, 044002.	1.6	6
35	CHNS: A case study of turbulence in elastic media. Physics of Plasmas, 2018, 25, .	0.7	5
36	Radial density and heat fluxes description in the velocity space: Nonlinear simulations and quasi-linear calculations. Physics of Plasmas, 2018, 25, 122304.	0.7	4

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37	Mesoscopic Transport Events and the Breakdown of Fickâ€™s Law for Turbulent Fluxes. Journal of the Korean Physical Society, 2018, 73, 747-792.	0.3	77
38	An interview with Roald Sagdeev: his story of plasma physics in Russia, 1956â€“1988. European Physical Journal H, 2018, 43, 355-396.	0.5	1
39	Circulation conservation and vortex breakup in magnetohydrodynamics at low magnetic PrandtlÂnumber. Journal of Fluid Mechanics, 2018, 857, 38-60.	1.4	5
40	Tracing the Pathway from Drift-Wave Turbulence with Broken Symmetry to the Production of Sheared Axial Mean Flow. Physical Review Letters, 2018, 120, 205001.	2.9	12
41	Gyrokinetic theory of turbulent acceleration and momentum conservation in tokamak plasmas. Plasma Science and Technology, 2018, 20, 074004.	0.7	4
42	Generation of parasitic axial flow by drift wave turbulence with broken symmetry: Theory and experiment. Physics of Plasmas, 2018, 25, 055710.	0.7	5
43	How shear increments affect the flow production branching ratio in CSDX. Physics of Plasmas, 2018, 25, .	0.7	1
44	Scaling trends of the critical Eâ€‰â€‰Ã—â€‰â€‰B shear for edge harmonic oscillation onset in DIII-D quiescent H-mode plasmas. Nuclear Fusion, 2018, 58, 112002.	1.6	22
45	Dynamics of zonal shear collapse with hydrodynamic electrons. Physics of Plasmas, 2018, 25, 062306.	0.7	24
46	How electron two-stream instability drives cyclic Langmuir collapse and continuous coherent emission. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1502-1507.	3.3	30
47	A simple model for electron dissipation in trapped ion turbulence. Physics of Plasmas, 2017, 24, .	0.7	7
48	On the emergence of macroscopic transport barriers from staircase structures. Physics of Plasmas, 2017, 24, .	0.7	23
49	Negative viscosity from negative compressibility and axial flow shear stiffness in a straight magnetic field. Physics of Plasmas, 2017, 24, 032117.	0.7	5
50	How turbulence fronts induce plasma spin-up. Physical Review E, 2017, 95, 031203.	0.8	5
51	Mechanics dictate where and how freshwater planarians fission. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10888-10893.	3.3	32
52	Understanding and predicting profile structure and parametric scaling of intrinsic rotation. Physics of Plasmas, 2017, 24, 092501.	0.7	10
53	Modelling enhanced confinement in drift-wave turbulence. Physics of Plasmas, 2017, 24, .	0.7	5
54	Formation and evolution of target patterns in Cahn-Hilliard flows. Physical Review E, 2017, 96, 041101.	0.8	7

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55	Bistable dynamics of turbulence spreading in a corrugated temperature profile. Physics of Plasmas, 2017, 24, .	0.7	5
56	Spontaneous profile self-organization in a simple realization of drift-wave turbulence. Physics of Plasmas, 2016, 23, .	0.7	24
57	Dynamics of intrinsic axial flows in unsheared, uniform magnetic fields. Physics of Plasmas, 2016, 23, 052311.	0.7	13
58	Intrinsic rotation drive by collisionless trapped electron mode turbulence. Physics of Plasmas, 2016, 23, 042309.	0.7	5
59	How mesoscopic staircases condense to macroscopic barriers in confined plasma turbulence. Physical Review E, 2016, 94, 051202.	0.8	36
60	Ion-acoustic shocks with self-regulated ion reflection and acceleration. Physics of Plasmas, 2016, 23, .	0.7	18
61	Recent progress towards a physics-based understanding of the H-mode transition. Plasma Physics and Controlled Fusion, 2016, 58, 044003.	0.9	46
62	Synchronization of Geodesic Acoustic Modes and Magnetic Fluctuations in Toroidal Plasmas. Physical Review Letters, 2016, 117, 145002.	2.9	22
63	Zonal Flow Patterns: How Toroidal Coupling Induces Phase Jumps and Shear Layers. Physical Review Letters, 2016, 117, 125002.	2.9	10
64	On the interplay between neoclassical tearing modes and nonlocal transport in toroidal plasmas. Scientific Reports, 2016, 6, 32697.	1.6	15
65	Logarithmic discretization and systematic derivation of shell models in two-dimensional turbulence. Physical Review E, 2016, 94, 033106.	0.8	5
66	Transport matrix for particles and momentum in collisional drift waves turbulence in linear plasma devices. Physics of Plasmas, 2016, 23, 022309.	0.7	10
67	Cascades and spectra of a turbulent spinodal decomposition in two-dimensional symmetric binary liquid mixtures. Physical Review Fluids, 2016, 1, .	1.0	10
68	Nonperturbative mean-field theory for minimum enstrophy relaxation. Physical Review E, 2015, 91, 053024.	0.8	2
69	Small scale coherent vortex generation in drift wave-zonal flow turbulence. Physics of Plasmas, 2015, 22, 122304.	0.7	6
70	Direct identification of predator-prey dynamics in gyrokinetic simulations. Physics of Plasmas, 2015, 22, .	0.7	25
71	Intrinsic torque reversals induced by magnetic shear effects on the turbulence spectrum in tokamak	0.7	18
72	Finding the Elusive<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="bold">E</mml:mi><mml:mo>Ã—</mml:mo><mml:mi mathvariant="bold">B</mml:mi></mml:math>Staircase in Magnetized Plasmas. Physical Review Letters, 2015, 114, 085004.	2.9	98

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73	Flux-driven simulations of turbulence collapse. Physics of Plasmas, 2015, 22, 032505.	0.7	29
74	Nonlinear parallel momentum transport in strong electrostatic turbulence. Physics of Plasmas, 2015, 22, 052302.	0.7	8
75	On calculating the potential vorticity flux. Physics of Plasmas, 2015, 22, .	0.7	3
76	Up-gradient particle flux in a drift wave-zonal flow system. Physics of Plasmas, 2015, 22, .	0.7	18
77	Zonal flows and pattern formation. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 293001.	0.7	47
78	Zonal flow formation in the presence of ambient mean shear. Physics of Plasmas, 2015, 22, .	0.7	4
79	From Phase Locking to Phase Slips: A Mechanism for a Quiescent<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>H</mml:mi></mml:mrow></mml:math>mode. Physical Review Letters, 2015, 114, 145002.	2.9	39
80	Linking the micro and macro: L-H transition dynamics and threshold physics. Physics of Plasmas, 2015, 22, 032506.	0.7	23
81	Coherent structures in ion temperature gradient turbulence-zonal flow. Physics of Plasmas, 2014, 21, 102306.	0.7	16
82	E Ã— B shear pattern formation by radial propagation of heat flux waves. Physics of Plasmas, 2014, 21, .	0.7	19
83	Ion temperature gradient driven turbulence with strong trapped ion resonance. Physics of Plasmas, 2014, 21, 102303.	0.7	13
84	The impact of pedestal turbulence and electron inertia on edge-localized-mode crashes. Physics of Plasmas, 2014, 21, .	0.7	19
85	Phase-space jets drive transport and anomalous resistivity. Physics of Plasmas, 2014, 21, .	0.7	9
86	Momentum transport in the vicinity of q_{min} in reverse shear tokamaks due to ion temperature gradient turbulence. Physics of Plasmas, 2014, 21, 012302.	0.7	6
87	Anomalous viscosity of the quark-gluon plasma. Physical Review C, 2014, 89, .	1.1	2
88	A semi-analytic power balance model for low (L) to high (H) mode transition power threshold. Physics of Plasmas, 2014, 21, .	0.7	3
89	Effects of q-profile structure on turbulence spreading: A fluctuation intensity transport analysis. Physics of Plasmas, 2014, 21, .	0.7	9
90	Turbulence elasticityâ€"A new mechanism for transport barrier dynamics. Physics of Plasmas, 2014, 21, 090702.	0.7	2

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91	Nonlinear current-driven ion-acoustic instability driven by phase-space structures. Plasma Physics and Controlled Fusion, 2014, 56, 075005.	0.9	35
92	Zonal flow production in the Lâ€“H transition in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2014, 56, 075013.	0.9	49
93	Elasticity in drift-waveâ€“zonal-flow turbulence. Physical Review E, 2014, 89, 041101.	0.8	8
94	Relative Dispersion of Trapped Ion Granulations in Sheared Flows. Plasma and Fusion Research, 2014, 9, 3403018-3403018.	0.3	5
95	Conversion of poloidal flows into toroidal flows by phase space structures in trapped ion resonance driven turbulence. Plasma Physics and Controlled Fusion, 2013, 55, 125001.	0.9	11
96	Dynamics of tilted eddies in a transversal flow at the edge of tokamak plasmas and the consequences for Lâ€“H transition. Plasma Physics and Controlled Fusion, 2013, 55, 124024.	0.9	12
97	Transport of radial heat flux and second sound in fusion plasmas. Physics of Plasmas, 2013, 20, .	0.7	14
98	Gyrokinetic Theory of Turbulent Acceleration of Parallel Rotation in Tokamak Plasmas. Physical Review Letters, 2013, 110, 265006.	2.9	45
99	Experimental Evidence for the Intimate Interaction among Sheared Flows, Eddy Structures, Reynolds Stress, and Zonal Flows across a Transition to Improved Confinement. Physical Review Letters, 2013, 111, .	2.9	53
100	Nonlinear instabilities driven by coherent phase-space structures. Physical Review E, 2013, 87, .	0.8	28
101	How the Propagation of Heat-Flux Modulations Triggers<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>E</mml:mi><mml:mo mathvariant="bold">Ã—</mml:mo><mml:mi>B</mml:mi></mml:math>Flow Pattern Formation. Physical Review Letters, 2013, 110, 105002.	2.9	30
102	Physics of Stimulated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>L</mml:mi><mml:mo>â†’</mml:mo><mml:mi>H</mml:mi></mml:math>Transitions. Physical Review Letters, 2013, 110, 195002.	2.9	32
103	Gyro-fluid and two-fluid theory and simulations of edge-localized-modes. Physics of Plasmas, 2013, 20, .	0.7	42
104	Fluctuating zonal flows in the I-mode regime in Alcator C-Mod. Physics of Plasmas, 2013, 20, .	0.7	79
105	Turbulent electron transport in edge pedestal by electron temperature gradient turbulence. Physics of Plasmas, 2013, 20, .	0.7	7
106	Spatio-temporal evolution of the Hâ€‰â†’â€‰L back transition. Physics of Plasmas, 2013, 20, .	0.7	18
107	ANALYTIC SOLUTION FOR SELF-REGULATED COLLECTIVE ESCAPE OF COSMIC RAYS FROM THEIR ACCELERATION SITES. Astrophysical Journal, 2013, 768, 73.	1.6	102
108	Dynamics of stimulated L â†’ H transitions. Physics of Plasmas, 2013, 20, .	0.7	16

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109	Effects of Magnetic Shear on Toroidal Rotation in Tokamak Plasmas with Lower Hybrid Current Drive. Physical Review Letters, 2013, 111, 125003.	2.9	26
110	Blob-Hole Structures as Non-Axisymmetric Equilibrium Solutions for Potential Vorticity Conserving Fluids. Plasma and Fusion Research, 2013, 8, 2403080-2403080.	0.3	1
111	Role of external torque in the formation of ion thermal internal transport barriers. Physics of Plasmas, 2012, 19, .	0.7	9
112	Drift hole structure and dynamics with turbulence driven flows. Physics of Plasmas, 2012, 19, 072307.	0.7	16
113	Role of Reynolds stress and toroidal momentum transport in the dynamics of internal transport barriers. Physics of Plasmas, 2012, 19, .	0.7	3
114	Impact of resonant magnetic perturbations on nonlinearly driven modes in drift-wave turbulence. Physics of Plasmas, 2012, 19, 055903.	0.7	25
115	Collisionless inter-species energy transfer and turbulent heating in drift wave turbulence. Physics of Plasmas, 2012, 19, .	0.7	11
116	A statistical analysis of avalanching heat transport in stationary enhanced core confinement regimes. Physics of Plasmas, 2012, 19, .	0.7	15
117	Effect of secondary convective cells on turbulence intensity profiles, flow generation, and transport. Physics of Plasmas, 2012, 19, 112506.	0.7	3
118	First observation of a new zonal-flow cycle state in the H-mode transport barrier of the experimental advanced superconducting Tokamak. Physics of Plasmas, 2012, 19, 122502.	0.7	14
119	Zonal flow triggers the L-H transition in the Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2012, 19, 072311.	0.7	83
120	On the mechanism for edge localized mode mitigation by supersonic molecular beam injection. Physics of Plasmas, 2012, 19, 022505.	0.7	36
121	Symmetry breaking effects of density gradient on parallel momentum transport: A new Ïs* effect. Physics of Plasmas, 2012, 19, .	0.7	3
122	Spatial, temporal and spectral structure of the turbulenceâ€“flow interaction at the Lâ€“H transition. Plasma Physics and Controlled Fusion, 2012, 54, 124024.	0.9	18
123	Spatio-temporal evolution of the Lâ€‰â†’â€‰Lâ€‰â†’â€‰H transition. Physics of Plasmas, 2012, 19, .	0.7	117
124	Proton-Helium Spectral Anomaly as a Signature of Cosmic Ray Accelerator. Physical Review Letters, 2012, 108, 081104.	2.9	63
125	How does drift wave turbulence convert parallel compression into perpendicular flows?. Plasma Physics and Controlled Fusion, 2012, 54, 095015.	0.9	14
126	Ohmic energy confinement saturation and core toroidal rotation reversal in Alcator C-Mod plasmas. Physics of Plasmas, 2012, 19, .	0.7	56

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127	MAGNETIC RECONNECTION, HELICITY DYNAMICS, AND HYPER-DIFFUSION. Astrophysical Journal, 2012, 757, 173.	1.6	18
128	On the mechanism for breaks in the cosmic ray spectrum. Physics of Plasmas, 2012, 19, .	0.7	14
129	Angular distribution of energetic particles scattered by strongly anisotropic MHD turbulence: Understanding Milagro/IceCube results. , 2012, , .		1
130	Interaction between external and intrinsic torque and its impact on internal transport barrier formation: A gyrofluid simulation study. Journal of the Korean Physical Society, 2012, 61, 55-61.	0.3	7
131	Frequency-Resolved Nonlinear Turbulent Energy Transfer into Zonal Flows in Strongly Heated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>L</mml:mi></mml:math>-Mode Plasmas in the HL-2A Tokamak. Physical Review Letters, 2012, 108, 245001.	2.9	82
132	MAGNETIC AND DENSITY SPIKES IN COSMIC-RAY SHOCK PRECURSORS. Astrophysical Journal Letters, 2012, 748, L32.	3.0	11
133	Mechanism for spectral break in cosmic ray proton spectrum of supernova remnant W44. Nature Communications, 2011, 2, 194.	5.8	81
134	Vorticity dynamics, drift wave turbulence, and zonal flows: a look back and a look ahead. Plasma Physics and Controlled Fusion, 2011, 53, 124001.	0.9	66
135	Neoclassical physics in full distribution function gyrokinetics. Physics of Plasmas, 2011, 18, .	0.7	35
136	Non-Gaussian properties of global momentum and particle fluxes in a cylindrical laboratory plasma. Physics of Plasmas, 2011, 18, 070701.	0.7	18
137	Spatiotemporal Structure of the Interaction between Turbulence and Flows at the L-H Transition in a Toroidal Plasma. Physical Review Letters, 2011, 107, 245004.	2.9	104
138	First Evidence of the Role of Zonal Flows for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>L</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mi>H</mml:mi></mml:math>Transition at Marginal Input Power in the EAST Tokamak. Physical Review Letters, 2011, 107, 125001.	2.9	152
139	Rotation Reversal Bifurcation and Energy Confinement Saturation in Tokamak Ohmic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>L</mml:mi></mml:math>-Mode Plasmas. Physical Review Letters, 2011, 107, 265001.	2.9	81
140	Generation of a Sheared Plasma Rotation by Emission, Propagation, and Absorption of Drift Wave Packets. Physical Review Letters, 2011, 107, 055003.	2.9	38
141	Edge Temperature Gradient as Intrinsic Rotation Drive in Alcator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi></mml:math>-Mod Tokamak Plasmas. Physical Review Letters, 2011, 106, 215001.	2.9	83
142	Trapped Electron Mode Turbulence Driven Intrinsic Rotation in Tokamak Plasmas. Physical Review Letters, 2011, 106, 085001.	2.9	33
143	On relaxation and transport in gyrokinetic drift wave turbulence with zonal flow. Physics of Plasmas, 2011, 18, .	0.7	18
144	Effect of resonant magnetic perturbations on secondary structures in drift-wave turbulence. Physics of Plasmas, 2011, 18, 082309.	0.7	13

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145	Characteristics of turbulence-driven plasma flow and origin of experimental empirical scalings of intrinsic rotation. Physics of Plasmas, 2011, 18, 042502.	0.7	11
146	Turbulence intensity pulse propagation with self-consistent nonlinear noise. Physics of Plasmas, 2011, 18, .	0.7	2
147	PROBING NEARBY COSMIC-RAY ACCELERATORS AND INTERSTELLAR MEDIUM TURBULENCE WITH MILAGRO HOT SPOTS. Astrophysical Journal, 2010, 721, 750-761.	1.6	48
148	Collisionless Dynamical Friction and Relaxation in a Simple Drift Wave-Zonal Flow Turbulence. Plasma and Fusion Research, 2010, 5, S2051-S2051.	0.3	6
149	Shell models and the possibility of application to fusion plasmas. Plasma Physics and Controlled Fusion, 2010, 52, 045002.	0.9	14
150	Poloidal rotation and its relation to the potential vorticity flux. Physics of Plasmas, 2010, 17, .	0.7	24
151	Intrinsic Rotation from a Residual Stress at the Boundary of a Cylindrical Laboratory Plasma. Physical Review Letters, 2010, 104, 065002.	2.9	36
152	On the efficiency of intrinsic rotation generation in tokamaks. Physics of Plasmas, 2010, 17, 102313.	0.7	44
153	Role of the geodesic acoustic mode shearing feedback loop in transport bifurcations and turbulence spreading. Physics of Plasmas, 2010, 17, 032309.	0.7	27
154	Nonlinear flow generation by electrostatic turbulence in tokamaks. Physics of Plasmas, 2010, 17, 072511.	0.7	81
155	A simple model of intrinsic rotation in high confinement regime tokamak plasmas. Physics of Plasmas, 2010, 17, 032509.	0.7	19
156	Mechanisms for generating toroidal rotation in tokamaks without external momentum input. Physics of Plasmas, 2010, 17, .	0.7	74
157	Ion-temperature gradient modes affected by helical magnetic field of magnetic islands. Physics of Plasmas, 2010, 17, 074503.	0.7	9
158	On the structure and scale of cosmic ray modified shocks. Plasma Physics and Controlled Fusion, 2010, 52, 124006.	0.9	12
159	On the validity of the local diffusive paradigm in turbulent plasma transport. Physical Review E, 2010, 82, 025401.	0.8	155
160	Residual parallel Reynolds stress due to turbulence intensity gradient in tokamak plasmas. Physics of Plasmas, 2010, 17, .	0.7	91
161	NONLINEAR DYNAMICS OF ACOUSTIC INSTABILITY IN A COSMIC RAY SHOCK PRECURSOR AND ITS IMPACT ON PARTICLE ACCELERATION. Astrophysical Journal, 2009, 692, 1571-1581.	1.6	22
162	Compressed ion temperature gradient turbulence in diverted tokamak edge. Physics of Plasmas, 2009, 16, .	0.7	80

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163	Gyrokinetic Studies on Turbulence-Driven and Neoclassical Nondiffusive Toroidal-Momentum Transport and the Effect of Residual Fluctuations in Strong<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>E</mml:mi><mml:mo>Ã—</mml:mo><mml:mi>B</mml:mi></mml:math>Shear. Physical Review Letters, 2009, 102, 035005.	2.9	48
164	Observation of the parametric-modulational instability between the drift-wave fluctuation and azimuthally symmetric sheared radial electric field oscillation in a cylindrical laboratory plasma. Physics of Plasmas, 2009, 16, 020706.	0.7	58
165	Wave-Number Spectrum of Drift-Wave Turbulence. Physical Review Letters, 2009, 102, 255002.	2.9	41
166	Transport of parallel momentum by drift-AlfvÃ©n turbulence. Physics of Plasmas, 2009, 16, .	0.7	18
167	Toroidal Rotation Driven by the Polarization Drift. Physical Review Letters, 2009, 103, 205003.	2.9	41
168	Response to â€œComment on â€˜Turbulent equipartition theory of toroidal momentum pinchâ€™â€‰â€•[Phys. Plasmas 16, 034703 (2009)]. Physics of Plasmas, 2009, 16, 034704.	0.7	3
169	Full-f gyrokinetic particle simulation of centrally heated global ITG turbulence from magnetic axis to edge pedestal top in a realistic tokamak geometry. Nuclear Fusion, 2009, 49, 115021.	1.6	139
170	Nonlinear dynamics of shear flows and plasma rotation in a simple laboratory plasma system. Plasma Physics and Controlled Fusion, 2009, 51, 124055.	0.9	9
171	A novel mechanism for exciting intrinsic toroidal rotation. Physics of Plasmas, 2009, 16, 052302.	0.7	40
172	Weak hysteresis in a simplified model of the L-H transition. Physics of Plasmas, 2009, 16, 012504.	0.7	28
173	Wave Dynamics and Particle Acceleration in Shock Precursors. , 2009, , .		1
174	A Tutorial on Basic Concepts in MHD Turbulence and Turbulent Transport. , 2009, , 119-150.		1
175	Turbulent resistivity in wavy two-dimensional magnetohydrodynamic turbulence. Journal of Fluid Mechanics, 2008, 595, 173-202.	1.4	6
176	Momentum theorems and the structure of atmospheric jets and zonal flows in plasmas. Plasma Physics and Controlled Fusion, 2008, 50, 124018.	0.9	47
177	Coexistence of Zonal Flows and Drift-Waves in a Cylindrical Magnetized Plasma. Journal of the Physical Society of Japan, 2008, 77, 114501.	0.7	18
178	Transport of parallel momentum by collisionless drift wave turbulence. AIP Conference Proceedings, 2008, , .	0.3	0
179	Transport of parallel momentum by collisionless drift wave turbulence. Physics of Plasmas, 2008, 15, .	0.7	126
180	Analytic theory of Lâ†'H transition, barrier structure, and hysteresis for a simple model of coupled particle and heat fluxes. Physics of Plasmas, 2008, 15, .	0.7	48

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181	Experimental studies of zonal flow and field in compact helical system plasma. Physics of Plasmas, 2008, 15, .	0.7	20
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