

Paul Terry

List of Publications by Year in descending order

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54
papers

1,105
citations

394421

19
h-index

434195

31
g-index

55
all docs

55
docs citations

55
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation in fusion research: Towards guidelines and best practices. Physics of Plasmas, 2008, 15, .	1.9	92
2	Suppression of Transport Cross Phase by Strongly Sheared Flow. Physical Review Letters, 2001, 87, .	7.8	59
3	Suppression of Temperature Fluctuations and Energy Barrier Generation by Velocity Shear. Physical Review Letters, 2000, 84, 2630-2633.	7.8	53
4	Role of stable eigenmodes in saturated local plasma turbulence. Physics of Plasmas, 2006, 13, 022307.	1.9	53
5	Role of subdominant stable modes in plasma microturbulence. Physics of Plasmas, 2011, 18, .	1.9	51
6	Nonlinear Electromagnetic Stabilization of Plasma Microturbulence. Physical Review Letters, 2018, 120, 175002.	7.8	48
7	Anomalous particle pinch for collisionless plasma. Physics of Fluids B, 1989, 1, 1932-1934.	1.7	47
8	Magnetic stochasticity and transport due to nonlinearly excited subdominant microtearing modes. Physics of Plasmas, 2013, 20, .	1.9	41
9	Subdominant Modes in Zonal-Flow-Regulated Turbulence. Physical Review Letters, 2014, 112, 095002.	7.8	33
10	Properties of high- $\hat{\nu}^2$ microturbulence and the non-zonal transition. Physics of Plasmas, 2013, 20, .	1.9	32
11	Damped eigenmode saturation in plasma fluid turbulence. Physics of Plasmas, 2011, 18, 012302.	1.9	29
12	Theory of ITG turbulent saturation in stellarators: Identifying mechanisms to reduce turbulent transport. Physics of Plasmas, 2018, 25, .	1.9	29
13	Ambipolar magnetic fluctuation-induced heat transport in toroidal devices. Physics of Plasmas, 1996, 3, 1999-2005.	1.9	27
14	Nonlinear stability and instability in collisionless trapped electron mode turbulence. Physics of Plasmas, 2002, 9, 3318-3332.	1.9	27
15	Role of stable modes in zonal flow regulated turbulence. Physics of Plasmas, 2012, 19, .	1.9	27
16	The effect of magnetic flutter on residual flow. Physics of Plasmas, 2013, 20, .	1.9	27
17	Saturation scalings of toroidal ion temperature gradient turbulence. Physics of Plasmas, 2018, 25, .	1.9	26
18	Stellarator microinstabilities and turbulence at low magnetic shear. Journal of Plasma Physics, 2018, 84, .	2.1	26

#	ARTICLE	IF	CITATIONS
19	E \times B flow shear and enhanced confinement in the Madison Symmetric Torus reversed-field pinch. <i>Physics of Plasmas</i> , 1998, 5, 1848-1854.	1.9	22
20	The observation of isolated long-lived current filaments in two-dimensional microtearing turbulence. <i>Physics of Fluids B</i> , 1991, 3, 304-315.	1.7	18
21	Microturbulence studies of pulsed poloidal current drive discharges in the reversed field pinch. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	18
22	Dissipation range turbulent cascades in plasmas. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	17
23	Aspects of the non-zonal transition. <i>Physics of Plasmas</i> , 2014, 21, 055901.	1.9	17
24	Saturation and nonlinear electromagnetic stabilization of ITG turbulence. <i>Physics of Plasmas</i> , 2019, 26, 082302.	1.9	17
25	Inverse Energy Transfer by Near-Resonant Interactions with a Damped-Wave Spectrum. <i>Physical Review Letters</i> , 2004, 93, 235004.	7.8	16
26	Anomalous impurity ion heating from Alfvénic cascade in the reversed field pinch. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	16
27	Reduction of inward momentum flux by damped eigenmodes. <i>Physics of Plasmas</i> , 2009, 16, 122305.	1.9	16
28	Turbulence, transport, and zonal flows in the Madison symmetric torus reversed-field pinch. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	16
29	Direct Measurement of a Toroidally Directed Zonal Flow in a Toroidal Plasma. <i>Physical Review Letters</i> , 2019, 122, 105001.	7.8	15
30	Nonlinear Damping of Plasma Zonal Flows Excited by Inverse Spectral Transfer. <i>Physical Review Letters</i> , 2002, 89, 205001.	7.8	14
31	Mode-space energy distribution in instability-driven plasma turbulence. <i>Physics of Plasmas</i> , 2014, 21, 122303.	1.9	14
32	Threshold Heat-Flux Reduction by Near-Resonant Energy Transfer. <i>Physical Review Letters</i> , 2021, 126, 025004.	7.8	14
33	Coherence of intense localized vorticity in decaying two-dimensional Navier–Stokes turbulence. <i>Physics of Fluids A, Fluid Dynamics</i> , 1992, 4, 927-937.	1.6	13
34	Observation of trapped-electron-mode microturbulence in reversed field pinch plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	13
35	Charge-to-mass-ratio-dependent ion heating during magnetic reconnection in the MST RFP. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	11
36	Coupling of damped and growing modes in unstable shear flow. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	11

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37	Nonconservative and reverse spectral transfer in Hasegawa-Wakatani turbulence. Physics of Fluids B, 1993, 5, 2080-2085.	1.7	10
38	Energetic study of the transition to nonlinear state in two-dimensional electron temperature gradient fluid turbulence. Physics of Plasmas, 2010, 17, .	1.9	10
39	A circular equilibrium model for local gyrokinetic simulations of ion temperature gradient fluctuations in reversed field pinches. Physics of Plasmas, 2011, 18, 052310.	1.9	9
40	Thermally driven edge magnetic turbulence. Physics of Fluids B, 1991, 3, 3286-3289.	1.7	8
41	Anomalous ion heating from ambipolar-constrained magnetic fluctuation-induced transport. Physics of Plasmas, 2001, 8, 825-835.	1.9	8
42	Saturation physics of threshold heat-flux reduction. Physics of Plasmas, 2021, 28, .	1.9	8
43	Evidence for drift waves in the turbulence of reversed field pinch plasmas. Physics of Plasmas, 2017, 24, .	1.9	6
44	Relaxation oscillations induced by amplitude-dependent frequency in dissipative trapped electron mode turbulence. Physics of Plasmas, 1994, 1, 3974-3985.	1.9	5
45	A self-consistent three-wave coupling model with complex linear frequencies. Physics of Plasmas, 2011, 18, 092308.	1.9	5
46	Assessing physics of ion temperature gradient turbulence via hierarchical reduced-model representations. Physics of Plasmas, 2022, 29, 042301.	1.9	5
47	Energy partitions in saturated compressible electron magnetoturbulence. Physics of Plasmas, 1995, 2, 4204-4215.	1.9	4
48	Numerical measurement of turbulent responses in drift-Alfvén turbulence. Physics of Plasmas, 1997, 4, 2443-2453.	1.9	4
49	Numerical investigation of frequency spectrum in the Hasegawa-Wakatani model. Physics of Plasmas, 2013, 20, 102303.	1.9	4
50	Theory of critical balance in plasma turbulence. Physics of Plasmas, 2018, 25, .	1.9	4
51	Mechanism for sequestering magnetic energy at large scales in shear-flow turbulence. Physics of Plasmas, 2022, 29, .	1.9	4
52	Nonlinear ion-mixing mode particle transport in the dissipative trapped electron regime. Physics of Plasmas, 1994, 1, 658-669.	1.9	3
53	Thermal transport dynamics in the quasi-single helicity state. Physics of Plasmas, 2017, 24, .	1.9	1
54	Direct measurements of the 3D plasma velocity in single-helical-axis RFP plasmas. Physics of Plasmas, 2021, 28, 012510.	1.9	0