

Paul Terry

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10131498/publications.pdf>

Version: 2024-02-01

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 | Assessing physics of ion temperature gradient turbulence via hierarchical reduced-model representations. <i>Physics of Plasmas</i> , 2022, 29, 042301. | 1.9 | 5 |
| 2 | Mechanism for sequestering magnetic energy at large scales in shear-flow turbulence. <i>Physics of Plasmas</i> , 2022, 29, . | 1.9 | 4 |
| 3 | Threshold Heat-Flux Reduction by Near-Resonant Energy Transfer. <i>Physical Review Letters</i> , 2021, 126, 025004. | 7.8 | 14 |
| 4 | Direct measurements of the 3D plasma velocity in single-helical-axis RFP plasmas. <i>Physics of Plasmas</i> , 2021, 28, 012510. | 1.9 | 0 |
| 5 | Saturation physics of threshold heat-flux reduction. <i>Physics of Plasmas</i> , 2021, 28, . | 1.9 | 8 |
| 6 | Saturation and nonlinear electromagnetic stabilization of ITG turbulence. <i>Physics of Plasmas</i> , 2019, 26, 082302. | 1.9 | 17 |
| 7 | Direct Measurement of a Toroidally Directed Zonal Flow in a Toroidal Plasma. <i>Physical Review Letters</i> , 2019, 122, 105001. | 7.8 | 15 |
| 8 | Observation of trapped-electron-mode microturbulence in reversed field pinch plasmas. <i>Physics of Plasmas</i> , 2018, 25, . | 1.9 | 13 |
| 9 | Saturation scalings of toroidal ion temperature gradient turbulence. <i>Physics of Plasmas</i> , 2018, 25, . | 1.9 | 26 |
| 10 | Nonlinear Electromagnetic Stabilization of Plasma Microturbulence. <i>Physical Review Letters</i> , 2018, 120, 175002. | 7.8 | 48 |
| 11 | Theory of ITG turbulent saturation in stellarators: Identifying mechanisms to reduce turbulent transport. <i>Physics of Plasmas</i> , 2018, 25, . | 1.9 | 29 |
| 12 | Stellarator microinstabilities and turbulence at low magnetic shear. <i>Journal of Plasma Physics</i> , 2018, 84, . | 2.1 | 26 |
| 13 | Theory of critical balance in plasma turbulence. <i>Physics of Plasmas</i> , 2018, 25, . | 1.9 | 4 |
| 14 | Evidence for drift waves in the turbulence of reversed field pinch plasmas. <i>Physics of Plasmas</i> , 2017, 24, . | 1.9 | 6 |
| 15 | Thermal transport dynamics in the quasi-single helicity state. <i>Physics of Plasmas</i> , 2017, 24, . | 1.9 | 1 |
| 16 | Coupling of damped and growing modes in unstable shear flow. <i>Physics of Plasmas</i> , 2017, 24, . | 1.9 | 11 |
| 17 | Turbulence, transport, and zonal flows in the Madison symmetric torus reversed-field pinch. <i>Physics of Plasmas</i> , 2017, 24, . | 1.9 | 16 |
| 18 | Microturbulence studies of pulsed poloidal current drive discharges in the reversed field pinch. <i>Physics of Plasmas</i> , 2015, 22, . | 1.9 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Mode-space energy distribution in instability-driven plasma turbulence. <i>Physics of Plasmas</i> , 2014, 21, 122303. | 1.9 | 14 |
| 20 | Aspects of the non-zonal transition. <i>Physics of Plasmas</i> , 2014, 21, 055901. | 1.9 | 17 |
| 21 | Subdominant Modes in Zonal-Flow-Regulated Turbulence. <i>Physical Review Letters</i> , 2014, 112, 095002. | 7.8 | 33 |
| 22 | Numerical investigation of frequency spectrum in the Hasegawa-Wakatani model. <i>Physics of Plasmas</i> , 2013, 20, 102303. | 1.9 | 4 |
| 23 | The effect of magnetic flutter on residual flow. <i>Physics of Plasmas</i> , 2013, 20, . | 1.9 | 27 |
| 24 | Properties of high- β^2 microturbulence and the non-zonal transition. <i>Physics of Plasmas</i> , 2013, 20, . | 1.9 | 32 |
| 25 | Magnetic stochasticity and transport due to nonlinearly excited subdominant microtearing modes. <i>Physics of Plasmas</i> , 2013, 20, . | 1.9 | 41 |
| 26 | Charge-to-mass-ratio-dependent ion heating during magnetic reconnection in the MST RFP. <i>Physics of Plasmas</i> , 2013, 20, . | 1.9 | 11 |
| 27 | Dissipation range turbulent cascades in plasmas. <i>Physics of Plasmas</i> , 2012, 19, . | 1.9 | 17 |
| 28 | Role of stable modes in zonal flow regulated turbulence. <i>Physics of Plasmas</i> , 2012, 19, . | 1.9 | 27 |
| 29 | Damped eigenmode saturation in plasma fluid turbulence. <i>Physics of Plasmas</i> , 2011, 18, 012302. | 1.9 | 29 |
| 30 | A circular equilibrium model for local gyrokinetic simulations of ion temperature gradient fluctuations in reversed field pinches. <i>Physics of Plasmas</i> , 2011, 18, 052310. | 1.9 | 9 |
| 31 | A self-consistent three-wave coupling model with complex linear frequencies. <i>Physics of Plasmas</i> , 2011, 18, 092308. | 1.9 | 5 |
| 32 | Role of subdominant stable modes in plasma microturbulence. <i>Physics of Plasmas</i> , 2011, 18, . | 1.9 | 51 |
| 33 | Energetic study of the transition to nonlinear state in two-dimensional electron temperature gradient fluid turbulence. <i>Physics of Plasmas</i> , 2010, 17, . | 1.9 | 10 |
| 34 | Reduction of inward momentum flux by damped eigenmodes. <i>Physics of Plasmas</i> , 2009, 16, 122305. | 1.9 | 16 |
| 35 | Anomalous impurity ion heating from Alfvénic cascade in the reversed field pinch. <i>Physics of Plasmas</i> , 2008, 15, . | 1.9 | 16 |
| 36 | Validation in fusion research: Towards guidelines and best practices. <i>Physics of Plasmas</i> , 2008, 15, . | 1.9 | 92 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Role of stable eigenmodes in saturated local plasma turbulence. <i>Physics of Plasmas</i> , 2006, 13, 022307. | 1.9 | 53 |
| 38 | Inverse Energy Transfer by Near-Resonant Interactions with a Damped-Wave Spectrum. <i>Physical Review Letters</i> , 2004, 93, 235004. | 7.8 | 16 |
| 39 | Nonlinear stability and instability in collisionless trapped electron mode turbulence. <i>Physics of Plasmas</i> , 2002, 9, 3318-3332. | 1.9 | 27 |
| 40 | Nonlinear Damping of Plasma Zonal Flows Excited by Inverse Spectral Transfer. <i>Physical Review Letters</i> , 2002, 89, 205001. | 7.8 | 14 |
| 41 | Anomalous ion heating from ambipolar-constrained magnetic fluctuation-induced transport. <i>Physics of Plasmas</i> , 2001, 8, 825-835. | 1.9 | 8 |
| 42 | Suppression of Transport Cross Phase by Strongly Sheared Flow. <i>Physical Review Letters</i> , 2001, 87, . | 7.8 | 59 |
| 43 | Suppression of Temperature Fluctuations and Energy Barrier Generation by Velocity Shear. <i>Physical Review Letters</i> , 2000, 84, 2630-2633. | 7.8 | 53 |
| 44 | $E \times B$ 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 |
| 45 | Numerical measurement of turbulent responses in drift-Alfvén turbulence. <i>Physics of Plasmas</i> , 1997, 4, 2443-2453. | 1.9 | 4 |
| 46 | Ambipolar magnetic fluctuation-induced heat transport in toroidal devices. <i>Physics of Plasmas</i> , 1996, 3, 1999-2005. | 1.9 | 27 |
| 47 | Energy partitions in saturated compressible electron magnetoturbulence. <i>Physics of Plasmas</i> , 1995, 2, 4204-4215. | 1.9 | 4 |
| 48 | Nonlinear ion-mixing mode particle transport in the dissipative trapped electron regime. <i>Physics of Plasmas</i> , 1994, 1, 658-669. | 1.9 | 3 |
| 49 | Relaxation oscillations induced by amplitude-dependent frequency in dissipative trapped electron mode turbulence. <i>Physics of Plasmas</i> , 1994, 1, 3974-3985. | 1.9 | 5 |
| 50 | Nonconservative and reverse spectral transfer in Hasegawa-Mima turbulence. <i>Physics of Fluids B</i> , 1993, 5, 2080-2085. | 1.7 | 10 |
| 51 | 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 |
| 52 | Thermally driven edge magnetic turbulence. <i>Physics of Fluids B</i> , 1991, 3, 3286-3289. | 1.7 | 8 |
| 53 | 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 |
| 54 | Anomalous particle pinch for collisionless plasma. <i>Physics of Fluids B</i> , 1989, 1, 1932-1934. | 1.7 | 47 |