

Refereed Publications

(journal publications and refereed contributions to books)

1. "Inhibition of the Trapped Ion Mode by Drift Wave Fluctuations", Wendell Horton, Duk-In Choi, Paul Terry, and Dieter Biskamp, *Phys. Fluids* **23**, 590 (1980).
2. "The Collision Operator and Long-Time Behavior of a Perturbed Two-Body Problem", P.W. Terry, *Cel. Mech.* **23**, 119 (1981).
3. "Dynamical Invariants and the Collision Operator in the Limit of Long Time for a Perturbed Two-Body Problem", P. Terry, *Phys. Lett.* **84a**, 233 (1981).
4. "Induced Molecular Transport Due to Surface Acoustic Waves", Paul Terry and M.W. P. Strandberg, *J. Appl. Phys.* **52**, 4281 (1981).
5. "Theoretical Aspects of the Nonlinear Interaction of Drift-Type Instabilities in a Plasma", Paul Terry, Ph.D. Dissertation, Univ. of Texas at Austin, 1981.
6. "The Asymptotic Form of the Continuum Wave Functions and Redundant Poles in the Heisenberg Condition", Paul Terry, *J. Math. Phys.* **23**, 87 (1982).
7. "Stochasticity and the Random Phase Approximation for Three Electron Drift Waves", Paul Terry and Wendell Horton, *Phys. Fluids* **25**, 491 (1982).
8. "Kinetic Effects on the Toroidal Ion Pressure Gradient Drift Mode", P. Terry, W. Anderson and W. Horton, *Nucl. Fusion* **22**, 487 (1982).
9. "Theoretical Studies of the Anomalous Transport and Fluctuation Spectra Associated with Low Frequency Turbulence in Tokamaks: Theory of Two-Point Correlation for Trapped Electrons and the Spectrum of Drift Wave Turbulence", P.H. Diamond, P.L. Similon, P.W. Terry, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1982, (IAEA, Vienna, 1983), Vol. 1, p. 259.
10. "Drift Wave Turbulence in a Low Order k Space", P.W. Terry and W. Horton, *Phys. Fluids* **26**, 106 (1983).
11. "Impact of Clumps on Plasma Stability and the Nature of Turbulence in the Saturated State", P.W. Terry and P.H. Diamond, in *Statistical Physics and Chaos in Fusion Plasmas*, ed. by W. Horton and L. Reichl (Wiley, N.Y., 1984) p. 335.
12. "Theory of Dissipative Density-Gradient-Driven Turbulence in the Tokamak Edge", P.W. Terry and P.H. Diamond, *Phys. Fluids* **28**, 1419 (1985).
13. "Effects of a Radial Electric Field on Tokamak Edge Turbulence", T. Chiueh, P.W. Terry, *et al.*, *Phys. Fluids* **29**, 231 (1986).

14. "Spectrum of Resistivity-Gradient-Driven Turbulence", P.W. Terry, P.H. Diamond, *et al.*, Phys. Fluids **29**, 2501 (1986).
15. "Reply to comments of J.A. Krommes ", P.W. Terry and P.H. Diamond, Phys. Fluids **29**, 2758 (1986).
16. "Self Consistency Constraints on Turbulent Magnetic Transport and Relaxation in a Collisionless Plasma", P.W. Terry, P.H. Diamond and T.S. Hahm, Phys. Rev. Lett. **57**, 1899 (1986).
17. "Role of Impurity Dynamics in Resistivity-Gradient-Driven-Turbulence and Tokamak Edge Plasma Phenomena", T.S. Hahm, P.H. Diamond, P.W. Terry, *et al.*, Phys. Fluids **30**, 1452 (1987).
18. "Particle and Thermal Transport, and Resonant Field Experiments in TEXT", A.J. Wootton, R.D. Bengtson, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1986, (IAEA, Vienna, 1987), Vol. 1, p. 187.
19. "Nonlinear Ion Temperature-Gradient-Driven Instability in Low-Collisionality Plasma", H. Biglari, P.H. Diamond, and P.W. Terry, Phys. Rev. Lett. **60**, 200 (1988).
20. Comment on "Anomalous Electron Heat Transport Driven by Low-Frequency Electromagnetic Turbulence", P.W. Terry, P.H. Diamond and T.S. Hahm, Phys. Rev. Lett. **60**, 966 (1988).
21. "Saturation of Kelvin-Helmholtz Fluctuations in a Sheared Magnetic Field", Bruce D. Scott, P.W. Terry, and P.H. Diamond, Phys. Fluids **31**, 1481 (1988).
22. "Theory of Trapped-Ion-Temperature-Gradient-Driven Turbulence and Transport in Low Ion-Collisionality Plasmas", H. Biglari, P.H. Diamond, and P.W. Terry, Phys. Fluids **31**, 2644 (1988).
23. "Radial Fluctuation Scale of Ion Temperature Gradient Driven Turbulence", P.W. Terry, J.N. Leboeuf, P.H. Diamond, D.R. Thayer, J.E. Sedlak, and G.S. Lee, Phys. Fluids **31**, 2920 (1988).
24. "Fluctuations and Anomalous Transport (in Tokamaks, Particularly TEXT)", A.J. Wootton, *et al.*, Plasma Physics and Controlled Fusion **30**, 1479 (1988).
25. "Theoretical Models for Tokamak Ignition Projections", R.E. Waltz, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1988, (IAEA, Vienna, 1989) Vol. 3, p. 369.
26. "Advances in the Theory of Ion-Temperature-Gradient-Driven Turbulence", H. Biglari, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1988, (IAEA, Vienna, 1989) Vol. 2, p. 261.

27. "Turbulence, Transport and q Measurements in TEXT", A.J. Wootton, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1988, (IAEA, Vienna, 1989) Vol. 1, p. 293.
28. "Resistive Fluid Turbulence and Tokamak Edge Plasma Dynamics", D.R. Thayer, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1988, (IAEA, Vienna, 1989) Vol. 2, p. 277.
29. "Anomalous Particle Pinch for Collisionless Plasma", P.W. Terry, *Phys. Fluids B* **1**, 1932 (1989).
30. "Two Time-Scale Analysis of Coherent Vortex Evolution in Turbulence", P.W. Terry, *Physica D* **37**, 542 (1989).
31. "Influence of Sheared Poloidal Rotation on Edge Turbulence", H. Biglari, P.H. Diamond, and P.W. Terry, *Phys. Fluids B* **2**, 1 (1990).
32. "A Self-Consistent Theory of Radial Transport of Field-Aligned Current by Microturbulence", P.W. Terry and P.H. Diamond, *Phys. Fluids B* **2**, 1128 (1990).
33. "Progress in Research on Plasma Edge Turbulence and Transport", P.H. Diamond, J.F. Drake, H. Matsumoto, John Sheffield, P.W. Terry, and A.J. Wootton, *Comments on Plasma Phys. and Contr. Fusion* **13**, 327 (1990).
34. "The Structure and Dynamics of Electrostatic and Magnetostatic Drift Holes", P.W. Terry, P.H. Diamond, and T.S. Hahm, *Phys. Fluids B* **2**, 2048 (1990).
35. "Theory of Resistivity-Gradient-Driven Turbulence in a Differentially Rotating Plasma", Y.B. Kim, P.H. Diamond, H. Biglari, and P.W. Terry, *Phys. Fluids B* **2**, 2143 (1990).
36. "Fluctuations and Anomalous Transport in Tokamaks", A.J. Wootton, B.A. Carreras, H. Matsumoto, K. McGuire, W.A. Peebles, Ch.P. Ritz, P.W. Terry, and S.J. Zweben, *Phys. Fluids B* **2**, 2879 (1990).
37. "Self-Organization in Sheared Drift-Wave Turbulence", Bruce D. Scott, H. Biglari, P.W. Terry, and P.H. Diamond, *Phys. Fluids B* **3**, 51 (1991).
38. "The Observation of Isolated Long Lived Current Filaments in Two Dimensional Microtearing Turbulence", G.G. Craddock, P.H. Diamond, and P.W. Terry, *Phys. Fluids B* **3**, 304 (1991).
39. "Quasilinear Transport Inferred from Density Fluctuation Spectra", R.V. Bravenec, D.W. Ross, P.M. Schoch, D.L. Brower, J.W. Heard, R.L. Hickok, P.W. Terry, A.J. Wootton, and X.Z. Yang, *Nucl. Fusion* **31**, 687 (1991).
40. "Advances in RFP Theory and Computation", P.W. Terry, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1990, (IAEA, Vienna, 1991) Vol. 2, p. 169.

41. "Developments in the Theory of Trapped Particle Pressure Gradient-Driven Turbulence in Tokamaks and Stellarators", P.H. Diamond, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1990, (IAEA, Vienna, 1991) Vol. 2, p. 9.
42. "Influence of Sheared Poloidal Rotation on Edge Turbulence Dynamics and Access to Enhanced Confinement Regimes", H. Biglari, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1990, (IAEA, Vienna, 1991) Vol. 2, p. 191.
43. "Tokamak Fluidlike Equations, Turbulence and Transport in H-Mode Discharges", Y.B. Kim, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1990, (IAEA, Vienna, 1991) Vol. 2, p. 327.
44. "Thermally Driven Edge Magnetic Turbulence", G.G. Craddock and P.W. Terry, *Phys. Fluids B* **3**, 3286 (1991).
45. "Energy Transfer Dynamics of Dissipative Trapped Ion Convective Cell Turbulence", D.E. Newman, P.W. Terry, and P.H. Diamond, *Phys. Fluids B* **4**, 599 (1992).
46. "Coherence of Intense Localized Vorticity in Decaying 2-D Navier-Stokes Turbulence", P.W. Terry, D.E. Newman, and N. Mattor, *Phys. Fluids A* **4**, 927, (1992).
47. "Frequency Spectrum in Drift Wave Turbulence", N. Mattor and P.W. Terry, *Phys. Fluids B* **4**, 1126 (1992).
48. "Anomalous Ion Heating from the Dynamo in a Reversed Field Pinch", N. Mattor, P.W. Terry, and S.C. Prager, *Comments on Plasma Phys. and Contr. Fusion* **15**, 65 (1992).
49. "Theory of Flow Shear Effects on Long Wavelength Drift Wave Turbulence", B.A. Carreras, K. Sidikman, P.H. Diamond, P.W. Terry, and L. Garcia, *Phys. Fluids B* **4**, 3115 (1992).
50. "A Two-Nonlinearity Model of Dissipative Drift Wave Turbulence", Y.-M. Liang, P.H. Diamond, X.-H. Wang, D.E. Newman, and P.W. Terry, *Phys. Fluids B* **5**, 1128, 1993.
51. "The Dynamics of Spectral Transfer in a Model of Drift Wave Turbulence with Two Nonlinearities", D.E. Newman, P.W. Terry, P.H. Diamond, and Y.-M. Liang, *Phys. Fluids B* **5**, 1140, 1993.
52. "Nonconservative and Reverse Spectral Transfer in Hasegawa-Mima Turbulence", P.W. Terry and D.E. Newman, *Phys. Fluids B* **5**, 2080, 1993.
53. "Non-Local Transport Phenomena and Long Wavelength Turbulence in Tokamaks", P.W. Terry, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1992, (IAEA, Vienna, 1993) Vol. 2, p. 313.

54. "Self-Regulation of Fluctuation Levels and Transport by Generation of Sheared Electric Fields", P.H. Diamond, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1992, (IAEA, Vienna, 1993) Vol. 2, p. 113.
55. "Advances in Reversed-Field Pinch Theory and Computation", D.D. Schnack, Y.L. Ho, B.A. Carreras, K. Sidikman, G.G. Craddock, N. Mattor, R.A. Nebel, S.C. Prager, P.W. Terry, and E.J. Zita, Plasma Physics and Controlled Nuclear Fusion Research 1992, (IAEA, Vienna, 1993) Vol. 2, p. 553.
56. "Nonlinear Ion-Mixing-Mode Particle Transport in the Dissipative Trapped Electron Regime", A.S. Ware and P.W. Terry, *Phys. Plasmas* **1**, 658 (1994).
57. P.H. Diamond, Y.-M. Liang, B.A. Carreras, and P.W. Terry, "Self-Regulating Shear Flow Turbulence: A Paradigm for the L to H Transition", *Phys. Rev. Lett.* **72**, 2565 (1994).
58. "The Dynamics of Long Wavelength Electrostatic Turbulence in Tokamaks", D.E. Newman, P.W. Terry, P.H. Diamond, Y.-M. Liang, G.G. Craddock, A.E. Koniges, and J.A. Crotinger, *Phys. Plasmas* **1**, 1592 (1994).
59. "Effects of Nonlinear Electron Dynamics in a Fluid Model of Collisionless Trapped Electron Mode Turbulence", G.G. Craddock, A.E. Koniges, J.A. Crotinger, P.H. Diamond, D.E. Newman, and P.W. Terry, *Phys. Plasmas* **1**, 1877 (1994).
60. "Relaxation Oscillations Induced by Amplitude Dependent Frequency in Dissipative Trapped Electron Mode Turbulence", P.W. Terry, A.S. Ware, and D.E. Newman, *Phys. Plasmas* **1**, 3974 (1994).
61. "Fluctuations and Transport in the Reversed Field Pinch: Characterization and Reduction", J.S. Sarff, *et al.*, Plasma Physics and Controlled Nuclear Fusion Research 1994, (IAEA, Vienna, 1995) Vol. 2, p. 431.
62. "Energy Partitions in Saturated Compressible Electron Magnetoturbulence", E. Fernandez, P.W. Terry, and D.E. Newman, *Phys. Plasmas* **2**, 4204 (1995).
63. "Ambipolar Magnetic Fluctuation-induced Heat Transport in Toroidal Devices, P.W. Terry, *et al.*, *Phys. Plasmas* **3**, 1999 (1996).
64. "Transport Reduction Via Shear Flow Modification of the Cross Phase", A.S. Ware, P.W. Terry, P.H. Diamond, and B.A. Carreras, *Plasma Physics and Controlled Fusion* **38**, 1343 (1996).
65. "Technique for the Experimental Estimation of Nonlinear Energy Transfer in Fully Developed Turbulence", J.S. Kim, *et al.*, *Physics of Plasmas* **3**, 3998 (1996).
66. "Measurement of Magnetic Fluctuation-Induced Heat Transport in Tokamaks and RFP", G. Fiksel, *et al.*, *Plasma Physics and Controlled Fusion* **38**, A213 (1996).

67. "Numerical Measurement of Turbulent Responses in Drift-Alfvén Turbulence", E. Fernandez and P.W. Terry, *Phys. Plasmas* **4**, 2443 (1997).
68. "Measurement of Nonlinear Energy Transfer in Turbulence on the Tokamak Fusion Test Reactor", J.S. Kim, *et al.*, *Phys. Rev. Lett.* **79**, 841 (1997).
69. "Anomalous Transport Theory for the Reversed Field Pinch", P.W. Terry, *et al.*, in Fusion Energy 1996 (IAEA, Vienna, 1997) Vol. 2, p. 665.
70. "Turbulent Heat and Particle Flux Response to Electric Field Shear", A.S. Ware, P.W. Terry, B.A. Carreras, and P.H. Diamond, *Phys. Plasmas* **5**, 173 (1998).
71. "E×B Flow Shear and Enhanced Confinement in the Madison Symmetric Torus Reversed Field Pinch", B.E. Chapman, A.F. Almagri, *et al.*, *Physics of Plasmas* **5**, 1848 (1998).
72. "A Drift-Alfvén Model for Interstellar Turbulence", P.W. Terry, E. Fernandez, and A.S. Ware, *Astrophysical Journal* **504**, 821 (1998).
73. "Theoretical Studies of the Role of Flows and Currents in the RFP", C.C. Hegna, P.W. Terry, S.C. Prager, *et al.*, *Fusion Energy 1998**, (International Atomic Energy Agency, Vienna, 1999) THP1/10.
74. "Suppression of Turbulence and Transport by Sheared Flow", P.W. Terry, *Reviews of Modern Physics* **72**, 109 (2000).
75. "Suppression of Temperature Fluctuations and Energy Barrier Generation by Velocity Shear", J.A. Boedo, P.W. Terry *et al.*, *Phys. Rev. Lett.* **84**, 2640 (2000).
76. "Nonlinear Instability Driven by Advection of Electron Density in Collisionless plasmas", D. Baver, P.W. Terry, and E. Fernandez, *Phys. Lett. A* **267**, 188 (2000).
77. "Does Flow Shear Suppress Turbulence in Non-Ionized Flows?", P.W. Terry, *Phys. Plasmas* **7**, 1653 (2000).
78. "Enhanced Particle Confinement and Turbulence Reduction due to E×B Shear in the TEXTOR Tokamak", J. Boedo, D. Gary, S. Jachmich, R. Conn, P.W. Terry, G. Van Oost, R.R. Weynants, and the TEXTOR Team, *Nuclear Fusion* **40**, 1397 (2000). *This paper has a typo, listing P.W. Terry as G.P. Terry.*
79. Response to "Comment on 'Does shear flow suppress turbulence in nonionized flows?'" , P.W. Terry, *Phys. Plasmas* **7**, 4787 (2000).
80. "The Role of Dynamo Fluctuations in Anomalous Ion Heating, Mode Locking, and Flow Generation", P.W. Terry, R. Gatto, R. Fitzpatrick, C. Hegna, and G. Fiksel, *Fusion Energy 2000**, (International Atomic Energy Agency, Vienna, 2001), THP1/04.

81. "Scaling of Shear-Reduced Turbulence", J. Boedo, D. Gray, P. Terry, *et al.*, *Fusion Energy 2000**, (International Atomic Energy Agency, Vienna, 2001), EXP5/22.
82. "Anomalous Ion Heating from Ambipolar Constrained Magnetic Fluctuation Induced Transport in Toroidal Devices", R. Gatto and P.W. Terry, *Phys. Plasmas* **8**, 825 (2001).
83. "The Role of Electron Density in Magnetic Turbulence", P.W. Terry, C. McKay, and E. Fernandez, *Phys. Plasmas* **8**, 2707 (2001).
84. "Suppression of Transport Cross Phase by Strongly Sheared Flow", P.W. Terry, D.E. Newman, and A.S. Ware, *Phys. Rev. Lett.* **87**, 185001 (2001).
85. "Scaling of Plasma Turbulence Suppression with Velocity Shear", J. Boedo, D. Gray, P.W. Terry, *et al.*, *Nuclear Fusion* **42**, 117 (2002).
86. "Tearing Mode Stability with Equilibrium Flows in the Reversed-Field Pinch", R. Gatto, P.W. Terry, and C.C. Hegna, *Nuclear Fusion* **42**, 496 (2002).
87. "Nonlinear Stability and Instability in Collisionless Trapped Electron Mode Turbulence", D.A. Baver, P.W. Terry, R. Gatto, and E. Fernandez, *Phys. Plasmas* **9**, 3318 (2002).
88. "Nonlinear damping of plasma zonal flows excited by inverse spectral transfer", P.W. Terry, R. Gatto, and D. Baver, *Phys. Rev. Lett.* **89**, 205001 (2002).
89. "Theory of Cross Phase-Induced Transport Suppression in Strongly Sheared Flow", P.W. Terry, A.S. Ware, and D.E. Newman, *Fusion Energy 2002**, (International Atomic Energy Agency, Vienna, 2003), TH/P1-16.
90. "Two-Fluid and Nonlinear Effects of Tearing and Pressure-Driven Resistive Modes in Reversed Field Pinches", V.V. Mirnov, *et al.*, *Fusion Energy 2002**, (International Atomic Energy Agency, Vienna, 2003), TH/P2-08.
91. "Ion Heating and Profile Relaxation during Sawtooth Crashes in the MST Reversed Field Pinch", G. Fiksel, *et al.*, *Fusion Energy 2002**, (International Atomic Energy Agency, Vienna, 2003), EX/P4-01.
92. "Creation and Dynamical Co-Evolution of Electron and Ion Channel Transport Barriers", D.E. Newman, *et al.*, *Fusion Energy 2002**, (International Atomic Energy Agency, Vienna, 2003), TH/P1-11.
93. "Local Particle Flux Reversal under Strongly Sheared Flow", P.W. Terry, D.E. Newman, and A.S. Ware, *Phys. Plasmas* **10**, 1066 (2003).
94. "A New Initiative in Transport Sciences", P.W. Terry, B. Rreizman, W. Dorland, *et al.*, at www.psf.mit.edu/ttf/transp_init_wht_paper_2003.pdf, U.S. Transport Task Force, 2003.

95. "On the Role of Shear on Tracer Transport by β -Plane Turbulence in a Large Scale Jet", A.S. Ware, P.W. Terry, M.H. Hitchman, and D.E. Newman, submitted to *Tellis*, October, 2002.
96. "Creation and Dynamical Co-Evolution of Electron and Ion Channel Transport Barriers", D.E. Newman, *et al.*, *Nuclear Fusion*, in press.
97. "Inverse Energy Transfer by Near-Resonant Interactions with a Damped-Wave Spectrum", P.W. Terry, *Phys. Rev. Lett.* **93**, 235004 (2004).
98. "A Comprehensive Spectral Theory of Zonal-Mode Dynamics in Trapped Electron Mode Turbulence", P.W. Terry, R. Gatto, D.A. Baver, and E. Fernandez, *Fusion Energy 2004**, (International Atomic Energy Agency, Vienna, 2005), PH/P6-9.
99. "Basis function Multifield Bispectral Deconvolution Analysis", D.A. Baver and P.W. Terry, *Phys. Plasmas* **12**, 042303 (2005).
100. "Nonlinear Damping of Zonal Modes in Anisotropic Weakly Collisional Trapped Electron Turbulence", R. Gatto, P.W. Terry, and D. Baver, *Phys. Plasmas* **13**, 022306 (2006).
101. "Role of Stable Eigenmodes in Saturated Plasma Turbulence", P.W. Terry, D.A. Baver, and Sangeeta Gupta, *Phys. Plasmas* **13**, 022307 (2006).
102. "Nonlinear Inward Particle Flux Component in Trapped Electron Mode Turbulence", P.W. Terry and R. Gatto, *Phys. Plasmas* **13**, 062309 (2006).
103. "Nonlinear Inward Particle Flux in Trapped Electron Mode Turbulence", P.W. Terry, R. Gatto, D.A. Baver, and S. Gupta, *Fusion Energy 2006**, (International Atomic Energy Agency, Vienna, 2006), ISBN 92-0-100907-0/ ISSN 0074-1884.
104. "Numerical Simulations of Current Generation and Dynamo Excitation in a Mechanically Forced Turbulent Flow", R.A. Bayliss, M.D. Nornberg, P.W. Terry, and C.B. Forest, *Phys. Rev. E* **75**, 026303 (2007).
105. "Coherence and Intermittency of Electron Density in Small Scale Interstellar Turbulence", P.W. Terry and K.W. Smith, *Astrophysical Journal* **665**, 402 (2007).
106. "Shear flows and turbulence in nature", D.E. Newman, P.W. Terry, and A.S. Ware, *Computing in Science and Engineering* **9**, 45 (2007).
107. "Intermittency of Electron Density in Interstellar Kinetic Alfvén Wave Turbulence", P.W. Terry and K.W. Smith, *Phys. Plasmas* **15**, 056502 (2008).
108. "Stochastic Magnetic Field Driven Charge Transport and Zonal Flow during Magnetic Reconnection", W.X. Ding, et al., *Phys. Plasmas* **15**, 055901 (2008).

109. "Validation in Fusion Research: Towards Guidelines and Best Practices", P.W. Terry, M. Greenwald, J.-N. Lebeouf, G.R. McKee, D.R. Mikkelsen, W.M. Nevins, D.E. Newman, and D. P. Stotler, *Phys. Plasmas* **15**, 062503 (2008).
110. "Anomalous Impurity Ion Heating from Alfvénic Cascade in the RFP", Varun Tangri, P.W. Terry, and Gennady Fiksel, *Phys. Plasmas* **15**, 112501 (2008).
111. "Role of Impurity Cyclotron Damping in Ion Heating and RFP Turbulence, P.W. Terry, V. Tangri, J.S. Sarff, G. Fiksel, A.F. Almagri, Y. Ren, and S.C. Prager, in *Fusion Energy 2008**, TH/P8-43 (International Atomic Energy Agency, Vienna, 2008).
112. "Overview of Results in the MST Reversed-Field Pinch Experiment", G. Fiksel, et al., *Fusion Energy 2008**, OV/5-2Rb (International Atomic Energy Agency, Vienna, 2008).
113. "Role of Stable Eigenmodes in Gyrokinetic Models of Ion Temperature Gradient Turbulence", D.R. Hatch, P.W. Terry, W.M. Nevins, and W. Dorland, *Phys. Plasmas* **16**, 022311 (2009).
114. "Basis Operator Bispectral Analysis", D.A. Baver, P.W. Terry, and Chris Holland, *Phys. Plasmas* **16**, 032309 (2009).
115. "MHD Dissipation Range Spectra for Isotropic Viscosity and Resistivity", P.W. Terry and V. Tangri, *Phys. Plasmas* **16**, 082305 (2009).
116. "Mass Dependent Ion Heating during Magnetic Reconnection in a Laboratory Plasma", G. Fiksel, et al., *Phys. Rev. Lett.* **103**, 145002 (2009).
117. "Reduction of Inward Momentum Flux by Damped Eigenmodes", P.W. Terry, D.A. Baver, and D.R. Hatch, *Phys. Plasmas* **16**, 122305 (2009).
118. "A Hierarchical Approach to Validation Experiments in Magnetic Fusion Science", P.W. Terry, T. Carter, M. Gilmore, M. Greenwald, C. Hegna, C. Holland, B. LaBombard, R. Majeski, D.E. Newman, A. White, and J. Wright, 2010, solicited by the Office of Fusion Energy Sciences for presentation to the Fusion Energy Sciences Advisory Committee. <http://ffden-2.phys.uaf.edu/validation.newman.html>
119. "Energetic study of the transition to nonlinear state in two-dimensional electron temperature gradient fluid turbulence", J.-H. Kim and P.W. Terry, *Phys. Plasmas* **17**, 112306 (2010).
120. "Saturation of Plasma Microturbulence by Damped Eigenmodes", P.W. Terry, D.R. Hatch, W.M. Nevins, F. Jenko, F. Merz, J.-H. Kim, and K. Makwana, in *Fusion Energy 2010**, TH/P4-27 (International Atomic Energy Agency, Vienna, 2010).
121. "Gyrokinetic Simulation of Temperature Gradient Instability in the RFP", V. Tangri, P.W. Terry, R.E. Waltz, and J.S. Sarff, in *Fusion Energy 2010**, TH/P4-26 (International Atomic Energy Agency, Vienna, 2010).

122. "Overview of Results in the MST Reversed-Field Pinch Experiment", J.S. Sarff, et al., *Fusion Energy 2010**, OV/5-3Rb (International Atomic Energy Agency, Vienna, 2010).
123. "Non-collisional Ion Heating and Magnetic Turbulence in the RFP", A.F. Almagri, et al., in *Fusion Energy 2010**, EX/P8-01 (International Atomic Energy Agency, Vienna, 2010).
124. "Damped Eigenmode Saturation in Plasma Fluid Turbulence", K. Makwana, P.W. Terry, J.-H. Kim, and D.R. Hatch, *Phys. Plasmas* **18**, 012302 (2011).
125. "Saturation of Gyrokinetic Turbulence through Damped Eigenmodes", D.R. Hatch, P.W. Terry, F. Jenko, F. Merz, and W.M. Nevins, *Phys. Rev. Lett.* **106**, 115003 (2011).
126. "Role of Subdominant Stable Modes in Plasma Microturbulence", D.R. Hatch, P.W. Terry, F. Jenko, F. Merz, M.J. Puschel, W.M. Nevins, and E. Wang, *Phys. Plasmas* **18**, 055706 (2011).
127. "Electron Heat Transport from Stochastic Fields in Gyrokinetic Simulations", E. Wang, et al., *Phys. Plasmas* **18**, 056111 (2011).
128. "Damping of Electron Density Structures and Implications for Interstellar Scintillation", K.W. Smith and P.W. Terry, *Astrophysical Journal* **730**, 133 (2011).
129. "A Circular Equilibrium Model for Local Gyrokinetic Simulations of Ion Temperature Gradient Fluctuations in Reversed Field Pinches", Varun Tangri, P.W. Terry, and R.E. Waltz, *Phys. Plasmas* **18**, 052310 (2011).
130. "A Self-Consistent Three-Wave Coupling Model with Complex Eigenfrequencies", J.-H. Kim and P.W. Terry, *Physics of Plasmas* **18**, 092308 (2011).
131. "Experimental Observation of Anisotropic Magnetic Turbulence in a Reversed Field Pinch Plasma", Yang Ren, A.F. Almagri, G. Fiksel, S.C. Prager, J.S. Sarff, and P.W. Terry, *Phys. Rev. Lett.* **107**, 195002 (2011).
132. "Analysis and Compression of Six-Dimensional Gyrokinetic Datasets Using Higher Order Singular Value Decomposition", D.R. Hatch, D. Del-Castillo-Negrete, and P.W. Terry, *Journal of Computational Physics* **231**, 4234 (2012).
133. "Dissipation Range Turbulent Cascades in Plasmas", P.W. Terry, A. Almagri, G. Fiksel, C.B. Forest, D.R. Hatch, F. Jenko, M.D. Nornberg, S.C. Prager, K. Rahbarnia, Y. Ren, and J.S. Sarff, et al., *Phys. Plasmas* **19**, 055906 (2012).
134. "Origin of magnetic stochasticity and transport in plasma microturbulence", D.R. Hatch, et al., *Phys. Rev. Lett.* **108**, 235002 (2012).

135. "Role of Stable Modes in Zonal-Flow Regulated Turbulence", K. Makwana, P.W. Terry, and J.-H. Kim, *Phys. Plasmas* **19**, 062310 (2012).
136. "Interactions of Stable Modes and Zonal Flows in ITG Turbulence", P.W. Terry, K. Makwana, D.R. Hatch, M.J. Pueschel, J.-H. Kim, W.M. Nevins, F. Jenko, and H. Doerk, in *Fusion Energy 2012**, TH/P7-08 (International Atomic Energy Agency, Vienna, 2012).
137. "Microtearing Mode Fluctuations in Reversed Field Pinch Plasmas", D. Carmody, P.W. Terry, M.J. Pueschel, A. Almagri, J.S. Sarff, and Y. Ren, in *Fusion Energy 2012**, TH/P2-10 (International Atomic Energy Agency, Vienna, 2012).
138. "Direct Diagnosis and Parametric Dependence of 3D Helical Equilibrium in the MST RFP", B.E. Chapman, F. Auriemma, W.F. Bergerson, et al., in *Fusion Energy 2012**, EX/P6-01 (International Atomic Energy Agency, Vienna, 2012).
139. "Magnetic Turbulence Suppression by a Helical Mode in a Cylindrical Geometry", J.-H. Kim and P.W. Terry, *Phys. Plasmas* **19**, 122304 (2012).
140. "Magnetic Stochasticity and Transport due to Nonlinearly Excited Subdominant Microtearing Modes", D.R. Hatch, M.J. Pueschel, F. Jenko, W.M. Nevins, P.W. Terry, and H. Doerk, *Phys. Plasmas* **20**, 012307 (2013).
141. "Extreme Heat fluxes in Gyrokinetic Simulations: a New Critical Beta", M.J. Pueschel, P.W. Terry, F. Jenko, D.R. Hatch, W.M. Nevins, T. Görler, and D. Told, *Phys. Rev. Lett.* **110**, 155005 (2013).
142. "Gyrokinetic Studies of Microinstabilities in the RFP", D. Carmody, M.J. Pueschel, and P.W. Terry, *Phys. Plasmas* **20**, 052110 (2013).
143. "Charge-to-Mass-Ratio-Dependent Ion Heating during Magnetic Reconnection in the MST RFP", Santosh Kumar, et al., *Phys. Plasmas* **20**, 056501 (2013).
144. "Overview of Results from the MST Reversed Field Pinch Experiment", J.S. Sarff, et al., *Nuclear Fusion* **53**, 104017 (2013).
145. "Properties of High- β Microturbulence and the Non-Zonal Transition", M.J. Pueschel, D.R. Hatch, T. Görler, W.M. Nevins, F. Jenko, P.W. Terry, and D. Told, *Phys. Plasmas* **20**, 102301 (2013).
146. "Numerical Investigation of Frequency Spectrum in the Hasegawa-Wakatani Model", J.-H. Kim and P.W. Terry, *Phys. Plasmas* **20**, 102303 (2013).
147. "The Effect of Magnetic Flutter on Residual Flow", P.W. Terry, M.J. Pueschel, D. Carmody, and W.M. Nevins, *Phys. Plasmas* **20**, 112502 (2013).
Selected as an "Editor's Pick" for Physics of Plasmas, Jan. 2014.

148. "Subdominant Modes in Zonal Flow Regulated Turbulence", K.D. Makwana, P.W. Terry, M.J. Pueschel, and D.R. Hatch, *Phys. Rev. Lett.* **112**, 095002 (2014).
149. "Aspects of the Non-Zonal Transition", M.J. Pueschel, P.W. Terry, and D.R. Hatch, *Phys. Plasmas* **21**, 055901 (2014).
150. "Magnetic Reconnection Turbulence in Strong Guide Fields: Basic Properties and Applications to Coronal Heating", M.J. Pueschel, D. Told, P.W. Terry, F. Jenko, E.G. Zweibel, V. Zhdankin, and H. Lesch, *Astrophysical Journal Supp. Ser.* **213**, 30 (2014).
151. "Time-Dependent Behavior in a Transport-Barrier Model for the Quasi-Single Helicity State", P.W. Terry and G.G. Whelan, *Plasma Phys. Control. Fusion* **56**, 094002 (2014).
152. "Mode-Space Energy Distribution in Dissipative Plasma Turbulence", P.W. Terry, K. Makwana, D.R. Hatch, M.J. Pueschel, F. Jenko, and F. Merz, *Phys. Plasmas* **21**, 122303 (2014).
153. "Microturbulence Studies of Pulsed Poloidal Current Drive Discharges in the Reversed Field Pinch", D. Carmody, M.J. Pueschel, J.K. Anderson, and P.W. Terry, *Physics of Plasmas* **22**, 012504 (2015).
154. "Enhanced Magnetic Reconnection in the Presence of Pressure Gradients", M.J. Pueschel, P.W. Terry, D. Told, and F. Jenko, *Phys. Plasmas* **22**, 062105 (2015).
155. "Overview of Gyrokinetic Studies of Finite- β Turbulence", P.W. Terry, et al., *Nuclear Fusion* **55**, 104011 (2015).
156. "Overview of Results from the MST Reversed Field Pinch Experiment", J.S. Sarff, et al., *Nuclear Fusion* **55**, 104006 (2015).
157. "Gyrokinetic studies of trapped electron mode turbulence in the HSX stellarator", B.J. Faber, et al., *Phys. Plasmas* **22**, 072305 (2015).
158. "Forces and Torques Within Layers of Driven Tearing Modes with Sheared Rotation", A.J. Cole, J.M. Finn, C.C. Hegna, and P.W. Terry, *Phys. Plasmas* **22**, 102514 (2015).
159. "Stellarator Turbulence: Subdominant Eigenmodes and Quasilinear Modeling", M.J. Pueschel, B.J. Faber, J. Citrin, C.C. Hegna, P.W. Terry, D.R. Hatch, *Phys. Rev. Lett.* **116**, 085001 (2016).
160. "Fourier Signature of Filamentary Vorticity Structures in Two-Dimensional Turbulence", J.M. Reynolds-Barredo, D.E. Newman, P.W. Terry, and R. Sanchez, *Euro Physics Letters* **115**, 34002 (2016).

161. "Linear Signatures in Nonlinear Gyrokinetics: Interpreting Turbulence with Pseudospectra", D.R. Hatch, F. Jenko, V. Bratanov, A. Bañón Navarro, P.W. Terry, and M.J. Pueschel, *New Journal of Physics* **18**, 075018 (2016).
162. "A Basic-Plasma Test for Gyrokinetics: GDC Turbulence in LAPD", M.J. Pueschel, G. Rossi, D. Told, P.W. Terry, F. Jenko, and T.A. Carter, *Plasma Phys. Control. Fusion* **59**, 024006 (2017).
163. "Drift Waves in the Turbulence of Reversed Field Pinch Plasmas", D.J. Thuecks, A.F. Almagri, J.S. Sarff, and P.W. Terry, *Phys. Plasmas* **24**, 022309 (2017). *Selected as an "Editor's Pick" for Physics of Plasmas.*
164. "Thermal Transport Dynamics in the Quasi Single Helicity State", I.J. McKinney, and P.W. Terry, *Phys. Plasmas* **24**, 062303 (2017).
165. "Coupling of Damped and Growing Modes in Unstable Shear Flow", A.E. Fraser, P.W. Terry, E.G. Zweibel, and M.J. Pueschel, *Phys. Plasmas* **24**, 062304 (2017). *Selected as an "Editor's Pick".*
166. "Turbulence, Transport, and Zonal Flows in the Madison Symmetric Torus Reversed-Field Pinch", Z.R. Williams, M.J. Pueschel, P.W. Terry, and T. Hauff, *Physics of Plasmas* **24**, 122309 (2017).
167. "Observation of Trapped-Electron-Mode Microturbulence in Reversed Field Pinch Plasmas", J.R. Duff, Z.R. Williams, D.L. Brower, B.E. Chapman, W.X. Ding, M.J. Pueschel, J.S. Sarff, and P.W. Terry, *Physics of Plasmas* **25**, 010701 (2018). *Selected by the editors as a Featured Article.*
168. "Saturation Scalings of Ion Temperature Gradient Turbulence", P.W. Terry, B.J. Faber, C.C. Hegna, V.V. Mirnov, M.J. Pueschel, and G.G. Whelan, *Physics of Plasmas* **25**, 012308 (2018). *Listed by Physics of Plasmas in "High-Performing Papers from 2017-2018".*
169. "Theory of ITG Turbulent Saturation in Stellarators: Identifying Mechanisms to Reduce Turbulent Transport", C.C. Hegna, P.W. Terry, and B.J. Faber, *Phys. Plasmas* **25**, 022511 (2018).
170. "Nonlinear Electromagnetic Stabilization of Plasma Microturbulence", G.G. Whelan, M.J. Pueschel, and P.W. Terry, *Phys. Rev. Lett.* **120**, 175002 (2018).
171. "Theory of Critical Balance in Plasma Turbulence", P.W. Terry, *Phys. Plasmas* **25**, 092301 (2018). *Selected as an "Editor's Pick".*
172. "Stellarator Microinstabilities and Turbulence and Low Magnetic Shear", B.J. Faber, M.J. Pueschel, P.W. Terry, C.C. Hegna, and J.E. Roman, *J. Plasma Phys.* **84** 905840503 (2018).

173. “Role of Stable Modes in Driven Shear-Flow Turbulence”, A.E. Fraser, M.J. Pueschel, P.W. Terry, and E.G. Zweibel, *Phys. Plasmas* **25**, 122303 (2018). *Selected by the editors as a Featured Article and by AIP for Scilights.*
174. “On Microinstabilities and Turbulence in Steep-Gradient Regions of Fusion Devices”, M.J. Pueschel, D.R. Hatch, D.R. Ernst, W. Guttenfelder, P.W. Terry, J. Citrin, and J.W. Connor, *Plasma Phys. Control. Fusion* **61**, 034002 (2019).
175. “Zonal Flows in Magnetically Confined Plasmas: Theory”, P.W. Terry, in *Zonal Jets*, Boris Galperin and Peter L. Read, editors, p. 181-193 (Cambridge University Press, London, 2019).
176. “Direct Measurement of a Toroidally-Directed Zonal Flow in a Toroidal Plasma”, T. Nishizawa, A.F. Almagri, S. Ohshima, Z.R. Williams, J.S. Sarff, M.D. Nornberg, J.K. Anderson, P.W. Terry, M.J. Pueschel, and W. Goodman, *Phys. Rev. Lett.* **122**, 105001 (2019).
177. “Saturation and Nonlinear Electromagnetic Stabilization of ITG Turbulence”, G.G. Whelan, M.J. Pueschel, P.W. Terry, J. Citrin, I.J. McKinney, W. Guttenfelder, and H. Doerk, *Phys. Plasmas* **26**, 082302 (2019).
178. “Impact of Resonant Magnetic Perturbations on Zonal Flows and Microturbulence”, Z.R. Williams, M.J. Pueschel, P.W. Terry, T. Nishizawa, D. M. Kriete, M.D. Nornberg, J.S. Sarff, G.R. McKee, D.M. Orlov, and S.H. Nogami, *Nuclear Fusion* **60**, 096004 (2020).
179. “Pair Plasma Instability in Homogeneous Magnetic Guide Fields”, M.J. Pueschel, R.D. Sydora, P.W. Terry, and B. Tyburska-Pueschel, M. Francisquez, F. Jenko, and B. Zhu, *Phys. Plasmas* **27**, 102111 (2020). *Selected by the editors as a Featured Article and by AIP for Scilights.*
180. “Advancing the Physics Basis for Quasi-helically Symmetric Stellarators”, A. Bader, B.J. Faber, J.C. Schmitt, D.T. Anderson, M. Drevlak, J.M. Duff, H. Frerichs, C.C. Hegna, T.G. Kruger, M. Landreman, I.J. McKinney, L. Singh, J.M. Schroeder, P.W. Terry and A.S. Ware, *J. Plasma Physics* **86**, 90580508 (2020).
181. “Threshold Heat-Flux Reduction by Near-Resonant Energy Transfer”, P.W. Terry, P.-Y. Li, M.J. Pueschel, and G.G. Whelan, *Phys. Rev. Lett.* **126**, 025004 (2021).
182. “Direct Measurements of the 3D Plasma Velocity in Single-Helical-Axis RFP Plasmas”, J. Boguski, M.D. Nornberg, A.F. Almagri, D. Craig, U. Gupta, K.J. McCollam, T. Nishizawa, J.S. Sarff, C.D. Sovinec, P.W. Terry, and Z.A. Xing, *Phys. Plasmas* **28**, 012510 (2021).
183. “The Impact of Magnetic Fields on Momentum Transport and Saturation of Shear-Flow Instability by Stable Modes”, A.E. Fraser, P.W. Terry, E.G. Zweibel, M.J. Pueschel, and J.M. Schroeder, *Phys. Plasmas* **28**, 022309 (2021), *selected as an “Editor’s Pick”.*

184. “Predicting the Critical Gradient of Turbulence in Fusion Plasmas”, M.J. Pueschel, P.-Y. Li, P.W. Terry, Nuclear Fusion **61**, 054003 (2021).
185. “Kinetic Ballooning Mode Turbulence in Small-Average-Magnetic-Shear Equilibria”, I.J. McKinney, M.J. Pueschel, B.J. Faber, C.C. Hegna, A. Ishizawa, and P.W. Terry, J. Plasma Physics **87**, 905870211 (2021).
186. “Dissipation in the Magnetic Turbulence of Reversed Field Pinch Plasmas”, J.B. Titus, A.F. Almagri, P.W. Terry, J.S. Sarff, E. Mezonlin, and J.A. Johnson III, Phys. Plasmas **28**, 062504 (2021), *selected as an “Editor’s Pick”*.
187. “Electromagnetic Turbulence in Increased β Plasmas in the Large Plasma Device”, G. Rossi, T.A. Carter, B. Seo, J. Robertson, M.J. Pueschel, and P.W. Terry, J. Plasma Physics **87**, 905870401 (2021).
188. “Saturation Physics of Threshold Heat-Flux Reduction”, P.-Y. Li, P.W. Terry, M.J. Pueschel, and G.G. Whelan, Phys. Plasmas **28**, 102507 (2021), *selected by the editors as a Featured Article*.
189. “Effects of Triangularity on Ion Temperature Gradient Turbulence Saturation”, J.M. Duff, B.J. Faber, C.C. Hegna, M.J. Pueschel, and P.W. Terry, Phys. Plasmas **29**, 012303, (2022).
190. “Improving the Stellarator through Advances in Plasma Theory”, C.C. Hegna, D.T. Anderson, A. Bader, T.A. Bechtel, A. Bhattacharjee, M. Cole, M. Drevlak, J.M. Duff, B.J. Faber, S.R. Hudson, M. Kotschenreuther, T.G. Kruger, M. Landreman, I.J. McKinney, E. Paul, M.J. Pueschel, J.S. Schmitt, P.W. Terry, A.S. Ware, M. Zarnstorff, C. Zhu, Nuclear Fusion **62**, 042012 (2022).
191. “Assessing Physics of Ion Temperature Gradient Turbulence via Hierarchical Reduced-Model Representations”, P.-Y. Li and P.W. Terry, Phys. Plasmas **29**, 042301 (2022).
192. “Mechanism for Sequestering Magnetic Energy at Large Scales in Shear-Flow Turbulence”, B. Tripathi, A.E. Fraser, P.W. Terry, E.G. Zweibel, and M.J. Pueschel, Phys. Plasmas **29**, 070701 (2022).
193. “Near-Cancellation of Up- and Down-Gradient Momentum Transport Due to Stable Modes in Forced Magnetized Shear-Flow Turbulence”, B. Tripathi, A.E. Fraser, P.W. Terry, E.G. Zweibel, and M.J. Pueschel, Physics of Plasmas **29**, 092301 (2022).
194. “Control of Internal Transport Barriers in Magnetically Confined Tokamak Burning Plasmas”, S.R. Panta, D.E. Newman, P.W. Terry, and R. Sanchez, Physics of Plasmas **29**, 122503 (2022).
195. “On the Role of Mode Resonances in Regulating Zonal-Flow-Moderated Plasma Microturbulence”, P.-Y. Li, M.J. Pueschel, P.W. Terry, and G.G. Whelan, Nuclear Fusion **63**, 026028 (2023).

196. “Optimizing the HSX Stellarator for Microinstability by Coil-Current Adjustments”, M.J. Gerard, B. Gieger, M.J. Pueschel, A. Bader, C.C. Hegna, B.J. Faber, P.W. Terry, S.T.A. Kumar, and J.C. Schmitt, *Nuclear Fusion* **63**, 056004 (2023).
197. “Use of Intrinsic Hysteresis for the Active Control of Internal Transport Barriers in Magnetically Confined Fusion Plasma”, S. Panta, D.E. Newman, P.W. Terry, and R. Sanchez, *Phys. Plasmas* **30**, 052505 (2023).
198. “Nonlinear Mode coupling and Energetics of Driven Magnetized Shear-Flow Turbulence”, B. Tripathi, A.E. Fraser, P.W. Terry, E.G. Zweibel, M.J. Pueschel, and E.H. Anders, *Phys. Plasmas* **30**, 072107 (2023), *selected by the editors as a Featured Article*.
199. “Three Dimensional Shear-Flow Instability Saturation via Stable Modes”, B. Tripathi, P.W. Terry, A.E. Fraser, E.G. Zweibel, and M.J. Pueschel, *Phys. Fluids* **35**, 105151 (2023).
200. “Enhanced Transport at High β and Sub-Threshold Kinetic Ballooning Modes in Wendelstein 7-X”, P. Mulholland, K. Aleynikova, B.J. Faber, M.J. Pueschel, J.H.E. Proll, C.C. Hegna, P.W. Terry and C. Nührenberg, *Phys. Rev. Lett.*, **131**, 185101 (2023).
201. “Cross Phases of Temperature-Gradient-Driven Turbulence as a Model Basis for *I*-Mode Particle Transport”, P.W. Terry and D.E. Newman, *Phys. Plasmas* **30**, 102304 (2023).
202. “Global Gyrokinetic Simulations of Tearing Modes in the Reversed-Field Pinch”, T. Jitsuk, A. Di Siena, M.J. Pueschel, P.W. Terry, F. Widmer, E. Poli, and J.S. Sarff, *Nucl. Fusion* **64**, 046005 (2024).
203. “Understanding the Effect of Shaping on Trapped-Electron-Mode Stabilization in Helically Symmetric Equilibria”, M.J. Gerard, M.J. Pueschel, B. Gieger, R.J.J. Mackenbach, J. Duff, B.J. Faber, C.C. Hegna, and P.W. Terry, *Phys. Plasmas* **31**, 052501 (2024), *selected by editors as a Featured Article*.
204. “Predicting the Slowing of Stellar Differential Rotation by Instability-Driven Turbulence”, B. Tripathi, A.J. Barker, A.E. Fraser, P.W. Terry, and E.G. Zweibel, *Astrophys. J.* **966**, 195 (2024).
205. “Turbulence in Plasmas and Fluids”, Chunxiao Xu and P.W. Terry, *Phys. Fluids* **36**, 070401 (2024).
206. “Limit-Cycle Oscillations in the Zonal-Flow-Catalyzed Interactions of Ion Temperature Gradient Turbulence”, P.-Y. Li and P.W. Terry, *Phys. Plasmas* **31**, 102304 (2024).
207. “Finite- β Turbulence in Wendelstein-7X Enhanced by Sub-Threshold Kinetic Ballooning Modes”, P. Mulholland, M.J. Pueschel, J.H.E. Proll, K. Aleynikova, B.J. Faber, P.W. Terry, C.C. Hegna, and C. Nührenberg, *Nuclear Fusion* **65**, 016022 (2025).

208. “Suppressing Trapped-Electron-Mode-Driven Turbulence in Quasihelically Symmetric Equilibria via Optimization”, J.M. Duff, B.J. Faber, C.C. Hegna, M.J. Pueschel, and P.W. Terry, *Nuclear Fusion* **65**, 046020 (2025).
209. “Theory of Sub-Threshold Kinetic Ballooning Modes in General Geometry”, P. Mulholland, A. Zocco, M. Morren, K. Aleynikova, M.J. Pueschel, J.H.E. Proll, and P.W. Terry, *Journal of Plasma Physics* **91**, E142 (2025).
210. “Turbulent Multi-Scale-Interactions between Tearing Modes, Trapped-Electron Modes, and Zonal Flows”, T. Jitsuk, M.J. Pueschel, P.W. Terry, and A. Di Siena, *Phys. Rev. Lett.* **136**, 015101 (2026).
211. “Large-Scale Dynamos Driven by Shear-Flow-Induced Jets”, B. Tripathi, A.E. Fraser, P.W. Terry, E.G. Zweibel, M.J. Pueschel, and R. Fan, *Nature* **649**, 848 (2026).
212. “Alternative Explanation for How Celestial Objects Generate Large Magnetic Fields”, B. Tripathi and P.W. Terry, *Nature*, <https://doi.org/10.1038/d41586-026-00026-9>, (2026)
213. “Zonal-Flow Saturation via Symmetric Dynamics in Collisionless Ion Temperature Gradient Turbulence”, A.A. Azelis and P.W. Terry, submitted, *Journal of Plasma Physics*.
214. “The Life Cycle of the Jet-Driven Shear-Flow Dynamo”, B. Tripathi, A.E. Fraser, P.W. Terry, E.G. Zweibel, and M.J. Pueschel, submitted, *Phys. Plasmas*.

*These papers are peer reviewed nationally by a DOE-appointed panel, and internationally by a panel appointed by the International Atomic Energy Agency.

Published Conference Proceedings in Books

Invited Papers:

215. “New Directions in Vlasov Plasma Turbulence and Anomalous Transport”, P.W. Terry, P.H. Diamond, and T.S. Hahm, *1987 International Conference on Plasma Physics*, ed. by A.G. Sitenko, (World Scientific Publishing, Singapore, 1987), Vol. 2, p. 842.
216. “Basic Concepts of Fully Developed Turbulence”, P.W. Terry and P.H. Diamond, in *Transport and Confinement in Toroidal Devices*, ed. by C. Alejaldre and B.A. Carreras, (Adam Hilger, Bristol, 1992) p. 15.
217. “Recent Developments in the Theory and Simulation of Trapped Ion Convective Cell Turbulence”, D.E. Newman, P.W. Terry, and P.H. Diamond, in *Transport and Confinement in Toroidal Devices*, ed. by C. Alejaldre and B.A. Carreras, (Adam Hilger, Bristol, 1992) p. 127.

218. "Granular Fluctuations in Plasma Turbulence and their Role in Transport", P.W. Terry, in *Statistical Description of Transport in Plasma, Astro- and Nuclear Physics*, ed. by J. Misguich, G. Pelletier, and P. Schuck, (Nova Science Publishers, New York, 1993) p. 57.
219. "Tokamak Turbulence in Self-Regulated Differentially Rotating Flow and L-H Transition Dynamics", P.W. Terry, P.H. Diamond, B.A. Carreras, and K. Sidikman, in *New Ideas in Tokamak Confinement*, M.N. Rosenbluth, Ed., (A.I.P., New York, 1994) p. 109.

Contributed Papers:

220. "Localized Fluctuations in Inhomogeneous Plasma Turbulence: Structure, Dynamics, Relaxation, and Transport", P.W. Terry, P.H. Diamond and T.S. Hahm, in *Small Scale Turbulence and Anomalous Transport in Magnetized Plasmas*, ed. by D. Gresillon and M.A. Dubois (Les Editions de Physique, Cedex, France, 1987), p. 267.
221. "Turbulent Drift-Wave Dynamics and Coherent Structures", B.D. Scott, P.W. Terry and P.H. Diamond, in *Small Scale Turbulence and Anomalous Transport in Magnetized Plasmas*, ed. by D. Gresillon and M.A. Dubois (Les Editions de Physique, Cedex, France, 1987), p. 271.
222. "The Role of Shear Flow in Stratospheric Transport Barriers", A.S. Ware, P.W. Terry, M.H. Hitchman, and D.E. Newman, in *Tenth Conference on Atmospheric and Oceanic Waves and Stability*, J.J. Tribia, ed., (American Meteorological Society, Boston, 1995), p. 193.
223. "Cross Phase Evolution in Electrostatic Turbulence", A.S. Ware, S. Kurebayashi, and P.W. Terry, *27th European Physical Society Conference on Controlled Fusion and Plasma Physics* (European Physical Society, Garching, 2000).

Manuscripts under preparation

224. "Enhanced Thermal Structure in the Quasi-Single-Helicity RFP", P. VanMeter, D.J. Den Hartog, J.S. Sarff, P.W. Terry, K. McCollam, L.F. Delgado-Aparicio, and P. Franz, under preparation.
225. "Saturation-Channel Selection Physics in Ion-Temperature-Gradient Turbulence", T. Jitsuk, P.W. Terry, and M.J. Pueschel, under preparation.