

Hans L. PÃ©cseli

List of Publications by Year in descending order

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252
papers

5,376
citations

87723

38
h-index

128067

60
g-index

257
all docs

257
docs citations

257
times ranked

1767
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | On the applicability of Taylor's hypothesis, including small sampling velocities. Journal of Fluid Mechanics, 2022, 932, . | 1.4 | 0 |
| 2 | The Impact of Turbulence on the Ionosphere and Magnetosphere. Frontiers in Astronomy and Space Sciences, 2021, 7, . | 1.1 | 5 |
| 3 | Numerical turbulence simulations of intermittent fluctuations in the scrape-off layer of magnetized plasmas. Physics of Plasmas, 2021, 28, . | 0.7 | 5 |
| 4 | Electron Wing-Like Structures Formed at a Negatively Charged Spacecraft Moving in a Magnetized Plasma. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027379. | 0.8 | 5 |
| 5 | Comparison between mirror Langmuir probe and gas-puff imaging measurements of intermittent fluctuations in the Alcator C-Mod scrape-off layer. Journal of Plasma Physics, 2020, 86, . | 0.7 | 11 |
| 6 | Intermittent fluctuations due to Lorentzian pulses in turbulent thermal convection. Physics of Fluids, 2020, 32, 085102. | 1.6 | 4 |
| 7 | Feeding of Plankton in a Turbulent Environment: A Comparison of Analytical and Observational Results Covering Also Strong Turbulence. Fluids, 2020, 5, 37. | 0.8 | 3 |
| 8 | Weakly nonlinear ion sound waves in gravitational systems. Physical Review E, 2020, 101, 043210. | 0.8 | 3 |
| 9 | Blob interactions in 2D scrape-off layer simulations. Physics of Plasmas, 2020, 27, . | 0.7 | 6 |
| 10 | Fluid Models for Nonlinear Electrostatic Waves: Magnetized Case. , 2020, , 323-330. | | 0 |
| 11 | Fluid Models for Nonlinear Electrostatic Waves: Isotropic Case. , 2020, , 281-310. | | 0 |
| 12 | Feeding of plankton in turbulent oceans and lakes. Limnology and Oceanography, 2019, 64, 1034-1046. | 1.6 | 7 |
| 13 | Intermittent fluctuations in the Alcator C-Mod scrape-off layer for ohmic and high confinement mode plasmas. Physics of Plasmas, 2018, 25, 056103. | 0.7 | 16 |
| 14 | Intermittent fluctuations due to uncorrelated Lorentzian pulses. Physics of Plasmas, 2018, 25, 014506. | 0.7 | 3 |
| 15 | Level crossings and excess times due to a superposition of uncorrelated exponential pulses. Physical Review E, 2018, 97, 012110. | 0.8 | 5 |
| 16 | Intermittent electron density and temperature fluctuations and associated fluxes in the Alcator C-Mod scrape-off layer. Plasma Physics and Controlled Fusion, 2018, 60, 065002. | 0.9 | 22 |
| 17 | Probability distribution functions for intermittent scrape-off layer plasma fluctuations. Plasma Physics and Controlled Fusion, 2018, 60, 034006. | 0.9 | 10 |
| 18 | Universality of Poisson-driven plasma fluctuations in the Alcator C-Mod scrape-off layer. Physics of Plasmas, 2018, 25, 122309. | 0.7 | 12 |

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|----|---|-----|-----------|
| 19 | Skewed Lorentzian pulses and exponential frequency power spectra. <i>Physics of Plasmas</i> , 2018, 25, . | 0.7 | 4 |
| 20 | A solvable model for the basic properties of a simple magnetized plasma torus. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 085021. | 0.9 | 0 |
| 21 | Auto-correlation function and frequency spectrum due to a super-position of uncorrelated exponential pulses. <i>Physics of Plasmas</i> , 2017, 24, . | 0.7 | 24 |
| 22 | Unified transport scaling laws for plasma blobs and depletions. <i>Physics of Plasmas</i> , 2017, 24, . | 0.7 | 10 |
| 23 | Stability of electron wave spectra in weakly magnetized plasmas. <i>Journal of Plasma Physics</i> , 2017, 83, . | 0.7 | 1 |
| 24 | Power law spectra and intermittent fluctuations due to uncorrelated Lorentzian pulses. <i>Physics of Plasmas</i> , 2017, 24, . | 0.7 | 13 |
| 25 | Statistical properties of a filtered Poisson process with additive random noise: distributions, correlations and moment estimation. <i>Physica Scripta</i> , 2017, 92, 054002. | 1.2 | 22 |
| 26 | A solvable blob-model for magnetized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 104002. | 0.9 | 5 |
| 27 | Scrape-off layer turbulence in TCV: evidence in support of stochastic modelling. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 044006. | 0.9 | 37 |
| 28 | Fluctuation statistics in the scrape-off layer of Alcator C-Mod. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 054001. | 0.9 | 29 |
| 29 | Weakly nonlinear ion waves in striated electron temperatures. <i>Physical Review E</i> , 2016, 93, 043204. | 0.8 | 3 |
| 30 | Level crossings, excess times, and transient plasma-wall interactions in fusion plasmas. <i>Physics of Plasmas</i> , 2016, 23, 040702. | 0.7 | 21 |
| 31 | Stochastic modelling of intermittent fluctuations in the scrape-off layer: Correlations, distributions, level crossings, and moment estimation. <i>Physics of Plasmas</i> , 2016, 23, . | 0.7 | 40 |
| 32 | Parametric decay of wide band Langmuir wave spectra. <i>Journal of Plasma Physics</i> , 2016, 82, . | 0.7 | 2 |
| 33 | Plankton's perception of signals in a turbulent environment. <i>Advances in Physics: X</i> , 2016, 1, 20-34. | 1.5 | 6 |
| 34 | Low frequency electrostatic waves propagating in plasmas with parameters varying along magnetic field lines. <i>Plasma Sources Science and Technology</i> , 2016, 25, 015010. | 1.3 | 0 |
| 35 | Amplitude and size scaling for interchange motions of plasma filaments. <i>Physics of Plasmas</i> , 2016, 23, 122302. | 0.7 | 14 |
| 36 | Spectral properties of electrostatic drift wave turbulence in the laboratory and the ionosphere. <i>Annales Geophysicae</i> , 2015, 33, 875-900. | 0.6 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Models for the probability densities of the turbulent plasma flux in magnetized plasmas. <i>Physica Scripta</i> , 2015, 90, 108005. | 1.2 | 10 |
| 38 | Magnetic field-aligned plasma currents in gravitational fields. <i>Annales Geophysicae</i> , 2015, 33, 257-266. | 0.6 | 4 |
| 39 | Convergence of statistical moments of particle density time series in scrape-off layer plasmas. <i>Physics of Plasmas</i> , 2015, 22, 012502. | 0.7 | 23 |
| 40 | Predator-prey encounter and capture rates in turbulent environments. <i>Limnology & Oceanography Fluids & Environments</i> , 2014, 4, 85-105. | 1.7 | 19 |
| 41 | Modulational stability of electron plasma wave spectra. <i>Journal of Plasma Physics</i> , 2014, 80, 745-769. | 0.7 | 6 |
| 42 | Low frequency oscillations of the magnetosphere. , 2014, , . | | 1 |
| 43 | Intermittent fluctuations in the Alcator C-Mod scrape-off layer. <i>Physics of Plasmas</i> , 2013, 20, 055901. | 0.7 | 54 |
| 44 | Unstable ring-shaped ion distribution functions induced by charge-exchange collisions. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 124006. | 0.9 | 7 |
| 45 | Models for electrostatic drift waves with density variations along magnetic field lines. <i>Geophysical Research Letters</i> , 2013, 40, 5565-5569. | 1.5 | 5 |
| 46 | Numerical studies of a plasma diode with external forcing. <i>Physics of Plasmas</i> , 2012, 19, 082115. | 0.7 | 2 |
| 47 | Effect of dynamical friction on interchange motion of plasma filaments. <i>Physics of Plasmas</i> , 2012, 19, . | 0.7 | 17 |
| 48 | Stochastic Modeling of Intermittent Scrape-Off Layer Plasma Fluctuations. <i>Physical Review Letters</i> , 2012, 108, 265001. | 2.9 | 87 |
| 49 | Fluctuations in the direction of propagation of intermittent low-frequency ionospheric waves. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 11 |
| 50 | Spacecraft charging in flowing plasmas; numerical simulations. <i>Journal of Physics: Conference Series</i> , 2012, 370, 012004. | 0.3 | 4 |
| 51 | Turbulent transport in a toroidal magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 085017. | 0.9 | 16 |
| 52 | Predator-prey encounter and capture rates for plankton in turbulent environments. <i>Progress in Oceanography</i> , 2012, 101, 14-32. | 1.5 | 20 |
| 53 | Encounter rates and transit time distributions for surfaces moving in turbulent flows. <i>Journal of Physics: Conference Series</i> , 2011, 318, 052034. | 0.3 | 0 |
| 54 | Nonlinear beam generated plasma waves as a source for enhanced plasma and ion acoustic lines. <i>Physics of Plasmas</i> , 2011, 18, 052107. | 0.7 | 12 |

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|----|---|-----|-----------|
| 55 | Minute-scale period oscillations of the magnetosphere. <i>Annales Geophysicae</i> , 2011, 29, 663-671. | 0.6 | 11 |
| 56 | Velocity scaling for filament motion in scrape-off layer plasmas. <i>Physics of Plasmas</i> , 2011, 18, 102314. | 0.7 | 28 |
| 57 | 10.1063/1.3582084.1. , 2011, , . | | 0 |
| 58 | Concentration Fluctuations in Smoke Plumes Released Near the Ground. <i>Boundary-Layer Meteorology</i> , 2010, 137, 345-372. | 1.2 | 7 |
| 59 | Predator-prey encounter rates in turbulent water: Analytical models and numerical tests. <i>Progress in Oceanography</i> , 2010, 85, 171-179. | 1.5 | 16 |
| 60 | Ion acoustic double layers forming behind irradiated solid objects in streaming plasmas. <i>Journal of Plasma Physics</i> , 2010, 76, 429-439. | 0.7 | 4 |
| 61 | Low-frequency electrostatic waves in the ionospheric E region. <i>Plasma Sources Science and Technology</i> , 2010, 19, 034007. | 1.3 | 5 |
| 62 | Collisionless Plasma Shocks in Striated Electron Temperatures. <i>Physical Review Letters</i> , 2010, 104, 085002. | 2.9 | 2 |
| 63 | Transit times in turbulent flows. <i>Physical Review E</i> , 2010, 81, 046310. | 0.8 | 5 |
| 64 | Blob Transport in the Plasma Edge: a Review. <i>Plasma and Fusion Research</i> , 2009, 4, 019-019. | 0.3 | 53 |
| 65 | Predator-prey Encounter Rates in Turbulent Environments: Consequences of Inertia Effects and Finite Sizes. , 2009, , . | | 1 |
| 66 | Interaction of two elongated dust grains in flowing plasmas studied by numerical simulations. <i>Physics of Plasmas</i> , 2009, 16, 023703. | 0.7 | 19 |
| 67 | Charging of insulating and conducting dust grains by flowing plasma and photoemission. <i>New Journal of Physics</i> , 2009, 11, 043005. | 1.2 | 28 |
| 68 | Plasma and Electromagnetic Simulations of Meteor Head Echo Radar Reflections. <i>Earth, Moon and Planets</i> , 2008, 102, 383-394. | 0.3 | 11 |
| 69 | Plasma and electromagnetic wave simulations of meteors. <i>Advances in Space Research</i> , 2008, 42, 136-142. | 1.2 | 24 |
| 70 | Numerical studies of ion focusing behind macroscopic obstacles in a supersonic plasma flow. <i>Physical Review E</i> , 2008, 77, 056408. | 0.8 | 59 |
| 71 | Charging of insulating dust grains in flowing plasmas with a directed photon flux. , 2008, , . | | 0 |
| 72 | Numerical simulations of potential distribution for elongated insulating dust being charged by drifting plasmas. <i>Physical Review E</i> , 2008, 78, 036411. | 0.8 | 19 |

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| 73 | Patterns of sound radiation behind pointlike charged obstacles in plasma flows. <i>Physical Review E</i> , 2008, 78, 016401. | 0.8 | 16 |
| 74 | Wake behind dust grains in flowing plasmas with a directed photon flux. <i>Physical Review E</i> , 2008, 77, 065401. | 0.8 | 22 |
| 75 | Ion focusing and interaction potential for spherical and rodlike obstacles in a supersonic plasma flow: numerical simulations. <i>AIP Conference Proceedings</i> , 2008, , . | 0.3 | 0 |
| 76 | Sound Radiation from Moving Point-Like Charged Particles in Plasmas. , 2008, , . | | 0 |
| 77 | Crash and recovery of the potential in a toroidal plasma column, as observed by generalized conditional sampling. <i>New Journal of Physics</i> , 2008, 10, 033030. | 1.2 | 4 |
| 78 | Publisher's Note: Patterns of sound radiation behind pointlike charged obstacles in plasma flows [Phys. Rev. E78, 016401 (2008)]. <i>Physical Review E</i> , 2008, 78, . | 0.8 | 0 |
| 79 | Structure functions and intermittency in ionospheric plasma turbulence. <i>Nonlinear Processes in Geophysics</i> , 2008, 15, 847-862. | 0.6 | 17 |
| 80 | Collisionality dependent transport in TCV SOL plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B47-B57. | 0.9 | 76 |
| 81 | Turbulent particle fluxes to perfectly absorbing surfaces: a numerical study. <i>Journal of Turbulence</i> , 2007, 8, N42. | 0.5 | 8 |
| 82 | Nonlinearly generated plasma waves as a model for enhanced ion acoustic lines in the ionosphere. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 7 |
| 83 | Numerical simulations of the charging of dust particles by contact with hot plasmas. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 575-586. | 0.6 | 39 |
| 84 | Plasma and Electromagnetic Simulations of Meteor Head Echo Radar Reflections. , 2007, , 383-394. | | 3 |
| 85 | Numerical studies of viscous effects for particle fluxes to perfectly absorbing spherical surfaces in turbulent environments: biological applications. , 2007, , 229-241. | | 0 |
| 86 | Numerical studies of turbulent particle fluxes into perfectly absorbing spherical surfaces. <i>Journal of Turbulence</i> , 2006, 7, N22. | 0.5 | 7 |
| 87 | Two-dimensional convection and interchange motions in fluids and magnetized plasmas. <i>Physica Scripta</i> , 2006, T122, 104-124. | 1.2 | 36 |
| 88 | The application of passive tracers for investigating transport in plasma turbulence. <i>Physica Scripta</i> , 2006, T122, 129-134. | 1.2 | 7 |
| 89 | Interchange turbulence in the TCV scrape-off layer. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, L1-L10. | 0.9 | 135 |
| 90 | Turbulence simulations of blob formation and radial propagation in toroidally magnetized plasmas. <i>Physica Scripta</i> , 2006, T122, 89-103. | 1.2 | 39 |

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| 91 | Laboratory studies of predator-prey encounters in turbulent environments: effects of changes in orientation and field of view. <i>Journal of Plankton Research</i> , 2006, 28, 509-522. | 0.8 | 19 |
| 92 | Radial interchange motions of plasma filaments. <i>Physics of Plasmas</i> , 2006, 13, 082309. | 0.7 | 142 |
| 93 | Predator-Prey Encounters Studied as Relative Particle Diffusion. , 2006, , 131-146. | | 1 |
| 94 | Kinetic instabilities associated with injection of a plasma beam into a neutral background. <i>Physica Scripta</i> , 2006, T122, 125-128. | 1.2 | 3 |
| 95 | Low-frequency electrostatic waves in the ionospheric E-region: a comparison of rocket observations and numerical simulations. <i>Annales Geophysicae</i> , 2006, 24, 2959-2979. | 0.6 | 19 |
| 96 | Phase space structures generated by absorbing obstacles in streaming plasmas. <i>Annales Geophysicae</i> , 2005, 23, 853-865. | 0.6 | 19 |
| 97 | Experimental studies of occupation and transit times in turbulent flows. <i>Physics of Fluids</i> , 2005, 17, 035111. | 1.6 | 17 |
| 98 | Mechanism and scaling for convection of isolated structures in nonuniformly magnetized plasmas. <i>Physics of Plasmas</i> , 2005, 12, 090701. | 0.7 | 94 |
| 99 | Turbulence and intermittent transport at the boundary of magnetized plasmas. <i>Physics of Plasmas</i> , 2005, 12, 062309. | 0.7 | 100 |
| 100 | Turbulent particle flux to a perfectly absorbing surface. <i>Journal of Fluid Mechanics</i> , 2005, 534, 1-21. | 1.4 | 24 |
| 101 | Nonlinear wave interactions as a model for naturally enhanced ion acoustic lines in the ionosphere. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 10 |
| 102 | Computations of Intermittent Transport in Scrape-Off Layer Plasmas. <i>Physical Review Letters</i> , 2004, 92, 165003. | 2.9 | 150 |
| 103 | On the Possibility for Action Conservation in the Solar Cycle. <i>Solar Physics</i> , 2004, 222, 363-382. | 1.0 | 1 |
| 104 | Phase space structures generated by an absorbing obstacle in a streaming plasma. <i>Geophysical Research Letters</i> , 2004, 31, . | 1.5 | 15 |
| 105 | Radiation of sound from a charged dust particle moving at high velocity. <i>Physics of Plasmas</i> , 2003, 10, 2667-2676. | 0.7 | 9 |
| 106 | Collective motions in non-uniformly magnetized plasmas. <i>European Journal of Physics</i> , 2003, 24, 331-339. | 0.3 | 16 |
| 107 | Experimental studies of occupation times in turbulent flows. <i>Physical Review E</i> , 2003, 67, 056307. | 0.8 | 8 |
| 108 | Blobs and front propagation in the scrape-off layer of magnetic confinement devices. <i>Physics of Plasmas</i> , 2003, 10, 671-676. | 0.7 | 81 |

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| 109 | Confinement and bursty transport in a flux-driven convection model with sheared flows. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 919-932. | 0.9 | 36 |
| 110 | Coherent structures, transport and intermittency in a magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 721-733. | 0.9 | 49 |
| 111 | Understanding the Simple Magnetized Torus. <i>AIP Conference Proceedings</i> , 2003, , . | 0.3 | 0 |
| 112 | Concentrations and concentration fluctuations in two-dimensional turbulence. <i>Physics of Fluids</i> , 2003, 15, 211-226. | 1.6 | 5 |
| 113 | Phase space vortices in collisionless plasmas. <i>Nonlinear Processes in Geophysics</i> , 2003, 10, 75-86. | 0.6 | 48 |
| 114 | Non-equilibrium quasi-stationary states in a magnetized plasma. <i>Nonlinear Processes in Geophysics</i> , 2003, 10, 139-149. | 0.6 | 14 |
| 115 | Predator-prey encounters in turbulent waters. <i>Physical Review E</i> , 2002, 65, 026304. | 0.8 | 16 |
| 116 | Time-resolved statistical analysis of nonlinear electrostatic fluctuations in the ionospheric E region. <i>Journal of Geophysical Research</i> , 2002, 107, SIA 5-1. | 3.3 | 10 |
| 117 | Nonlinear development of electron-beam-driven weak turbulence in an inhomogeneous plasma. <i>Physical Review E</i> , 2002, 65, 066408. | 0.8 | 89 |
| 118 | Ion phase-space vortices in 2.5-dimensional simulations. <i>Journal of Plasma Physics</i> , 2001, 65, 107-129. | 0.7 | 18 |
| 119 | Two-field transport models for magnetized plasmas. <i>Journal of Plasma Physics</i> , 2001, 65, 81-96. | 0.7 | 33 |
| 120 | Ion phase space vortices in 3 spatial dimensions. <i>Europhysics Letters</i> , 2001, 54, 161-167. | 0.7 | 21 |
| 121 | Modeling of prominence threads in magnetic fields: Levitation by incompressible MHD waves. <i>Solar Physics</i> , 2000, 194, 73-86. | 1.0 | 31 |
| 122 | Kinetic Theory of Vortex Crystal Formation in Electron Plasmas. <i>Physica Scripta</i> , 2000, 61, 489-493. | 1.2 | 8 |
| 123 | Low frequency waves in plasmas with spatially varying electron temperature. <i>Annales Geophysicae</i> , 2000, 18, 1613-1622. | 0.6 | 7 |
| 124 | Cavitation of lower hybrid waves in the Earth's ionosphere: A model analysis. <i>Journal of Geophysical Research</i> , 2000, 105, 18519-18535. | 3.3 | 30 |
| 125 | Spectral properties of low-frequency electrostatic waves in the ionospheric E region. <i>Journal of Geophysical Research</i> , 2000, 105, 10585-10601. | 3.3 | 12 |
| 126 | Local transit-time damping of electrostatic wave packets. <i>Physics of Plasmas</i> , 1999, 6, 1072-1082. | 0.7 | 15 |

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|-----|--|-----|-----------|
| 127 | Relative Diffusion of Charged Particles in Turbulent Magnetized Plasmas. <i>Physica Scripta</i> , 1999, T82, 74. | 1.2 | 1 |
| 128 | Nonlinear Dynamics of Resistive Electrostatic Drift Waves. <i>Physica Scripta</i> , 1999, T82, 12. | 1.2 | 0 |
| 129 | Statistics of the lower hybrid wave cavities detected by the FREJA satellite. <i>Journal of Geophysical Research</i> , 1998, 103, 26633-26647. | 3.3 | 36 |
| 130 | Vortex Dynamics in Magnetized Plasmas. <i>Physica Scripta</i> , 1998, 58, 238-245. | 1.2 | 2 |
| 131 | Electron Acceleration by Nonlinear High Frequency Waves in Weakly Magnetized Plasmas. <i>Physica Scripta</i> , 1998, 58, 405-416. | 1.2 | 6 |
| 132 | Experimental study of low-frequency electrostatic fluctuations in a magnetized toroidal plasma. <i>Physical Review E</i> , 1998, 57, 2242-2255. | 0.8 | 54 |
| 133 | Weakly Nonlinear High Frequency Waves in Magnetized Plasmas. <i>Physica Scripta</i> , 1998, T75, 28. | 1.2 | 1 |
| 134 | Localization and Vortices in Strongly Magnetized Plasmas. <i>Physica Scripta</i> , 1998, T75, 290. | 1.2 | 0 |
| 135 | Lower-hybrid wave cavities detected by instrumented spacecrafts. <i>Plasma Physics and Controlled Fusion</i> , 1997, 39, A227-A236. | 0.9 | 25 |
| 136 | Finite Larmor radius effects and velocity correlations in two-dimensional electrostatic plasma turbulence. <i>Physical Review E</i> , 1997, 55, 982-990. | 0.8 | 3 |
| 137 | Anomalous Cross-Field Current and Fluctuating Equilibrium of Magnetized Plasmas. <i>Physical Review Letters</i> , 1997, 79, 1857-1860. | 2.9 | 30 |
| 138 | Eulerian and Lagrangian velocity correlations in two-dimensional random geostrophic flows. <i>Journal of Fluid Mechanics</i> , 1997, 338, 249-276. | 1.4 | 8 |
| 139 | Propagation and dispersion of electrostatic waves in the ionospheric E region. <i>Annales Geophysicae</i> , 1997, 15, 878-889. | 0.6 | 10 |
| 140 | Turbulent transport in low- β^2 plasmas. <i>Physics of Plasmas</i> , 1996, 3, 1530-1544. | 0.7 | 71 |
| 141 | Lower hybrid wave cavities detected by the FREJA satellite. <i>Journal of Geophysical Research</i> , 1996, 101, 5299-5316. | 3.3 | 63 |
| 142 | Nonlinear wave interactions in two-electron-temperature plasmas. <i>Physica Scripta</i> , 1996, T63, 34-40. | 1.2 | 13 |
| 143 | Concentration fluctuations in two-dimensional turbulence. <i>Europhysics Letters</i> , 1996, 36, 99-104. | 0.7 | 2 |
| 144 | Velocity correlations in two-dimensional electrostatic turbulence in low- β^2 plasmas. <i>Journal of Plasma Physics</i> , 1995, 54, 401-430. | 0.7 | 3 |

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|-----|---|-----|-----------|
| 145 | Fluctuations in a Magnetized Toroidal Plasma without Rotational Transform. <i>Physical Review Letters</i> , 1995, 75, 81-84. | 2.9 | 47 |
| 146 | Electrostatic fluctuations and turbulent plasma transport in low- β^2 plasmas. <i>Physica Scripta</i> , 1995, 51, 632-637. | 1.2 | 7 |
| 147 | Finite Larmor Radius Effects in Two-Dimensional Electrostatic Plasma Turbulence. <i>European Physical Journal Special Topics</i> , 1995, 05, C6-31-C6-36. | 0.2 | 1 |
| 148 | Confinement and turbulent transport in a plasma torus with no rotational transform. <i>Plasma Physics and Controlled Fusion</i> , 1994, 36, 1099-1114. | 0.9 | 78 |
| 149 | Experimental Evidence for Mode Selection in Turbulent Plasma Transport. <i>Europhysics Letters</i> , 1994, 27, 209-214. | 0.7 | 6 |
| 150 | Nonlinear wave interactions in two-electron-temperature plasmas. <i>Journal of Plasma Physics</i> , 1994, 51, 423-432. | 0.7 | 19 |
| 151 | Velocity correlations in two-dimensional electrostatic plasma turbulence. <i>Physica Scripta</i> , 1994, T50, 28-37. | 1.2 | 0 |
| 152 | Propagation and nonlinear interaction of low-frequency electrostatic waves in the polar cap E region. <i>Journal of Geophysical Research</i> , 1993, 98, 1603-1612. | 3.3 | 11 |
| 153 | On the interpretation of experimental methods for investigating nonlinear wave phenomena. <i>Plasma Physics and Controlled Fusion</i> , 1993, 35, 1701-1715. | 0.9 | 20 |
| 154 | Coherent vortical structures in two-dimensional plasma turbulence. <i>Plasma Physics and Controlled Fusion</i> , 1992, 34, 2065-2070. | 0.9 | 12 |
| 155 | A wavenumber-in-cell simulation of weak Langmuir turbulence. <i>Physica Scripta</i> , 1992, 46, 159-172. | 1.2 | 11 |
| 156 | Studies of the Eulerian-Lagrangian transformation in two-dimensional random flows. <i>Journal of Fluid Mechanics</i> , 1991, 224, 485-505. | 1.4 | 12 |
| 157 | Phase-space diffusion in turbulent plasmas: The random acceleration problem revisited. <i>Physics of Fluids B</i> , 1991, 3, 3271-3276. | 1.7 | 2 |
| 158 | Coherent structures in two-dimensional plasma turbulence. <i>Physics of Fluids B</i> , 1991, 3, 1609-1625. | 1.7 | 87 |
| 159 | Analytical expressions for conditional averages: a numerical test. <i>Physica Scripta</i> , 1991, 43, 503-507. | 1.2 | 18 |
| 160 | Interaction of plasma vortices with resonant particles. <i>Physics of Fluids B</i> , 1990, 2, 2035-2041. | 1.7 | 8 |
| 161 | Phase space diffusion in turbulent plasmas. <i>Physica Scripta</i> , 1990, T30, 159-165. | 1.2 | 1 |
| 162 | Wavenumber-in-cell simulation of weak Langmuir turbulence. <i>Physical Review Letters</i> , 1990, 64, 285-288. | 2.9 | 4 |

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|-----|---|-----|-----------|
| 163 | Nonlinear evolution of the modulational instability of whistler waves. <i>Physical Review Letters</i> , 1990, 64, 890-893. | 2.9 | 15 |
| 164 | Plasma vortices and their relation to cross-field diffusion: A laboratory study. <i>Physical Review Letters</i> , 1990, 64, 3023-3026. | 2.9 | 16 |
| 165 | Ion-acoustic wave propagation in plasmas with ion beams having a finite cross section. <i>IEEE Transactions on Plasma Science</i> , 1990, 18, 149-158. | 0.6 | 2 |
| 166 | Coherent Structures in Numerically Simulated Ion-Acoustic Turbulence. <i>Europhysics Letters</i> , 1989, 9, 681-687. | 0.7 | 3 |
| 167 | An experimental investigation on the influence of neutral collisions on the current-driven electrostatic ion-cyclotron instability. <i>Physica Scripta</i> , 1989, 39, 480-484. | 1.2 | 7 |
| 168 | Coherent structures in numerically simulated plasma turbulence. <i>Physica Scripta</i> , 1989, 40, 280-294. | 1.2 | 28 |
| 169 | A numerical plasma simulation including finite Larmor radius effects to arbitrary order. <i>Plasma Physics and Controlled Fusion</i> , 1989, 31, 173-183. | 0.9 | 14 |
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