

Hans L. PÃ©cseli

List of Publications by Year in descending order

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252
papers

5,376
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87888

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60
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257
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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, .	3.4	0
2	The Impact of Turbulence on the Ionosphere and Magnetosphere. Frontiers in Astronomy and Space Sciences, 2021, 7, .	2.8	5
3	Numerical turbulence simulations of intermittent fluctuations in the scrape-off layer of magnetized plasmas. Physics of Plasmas, 2021, 28, .	1.9	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.	2.4	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, .	2.1	11
6	Intermittent fluctuations due to Lorentzian pulses in turbulent thermal convection. Physics of Fluids, 2020, 32, 085102.	4.0	4
7	Feeding of Plankton in a Turbulent Environment: A Comparison of Analytical and Observational Results Covering Also Strong Turbulence. Fluids, 2020, 5, 37.	1.7	3
8	Weakly nonlinear ion sound waves in gravitational systems. Physical Review E, 2020, 101, 043210.	2.1	3
9	Blob interactions in 2D scrape-off layer simulations. Physics of Plasmas, 2020, 27, .	1.9	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.	3.1	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.	1.9	16
14	Intermittent fluctuations due to uncorrelated Lorentzian pulses. Physics of Plasmas, 2018, 25, 014506.	1.9	3
15	Level crossings and excess times due to a superposition of uncorrelated exponential pulses. Physical Review E, 2018, 97, 012110.	2.1	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.	2.1	22
17	Probability distribution functions for intermittent scrape-off layer plasma fluctuations. Plasma Physics and Controlled Fusion, 2018, 60, 034006.	2.1	10
18	Universality of Poisson-driven plasma fluctuations in the Alcator C-Mod scrape-off layer. Physics of Plasmas, 2018, 25, 122309.	1.9	12

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19	Skewed Lorentzian pulses and exponential frequency power spectra. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	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.	2.1	0
21	Auto-correlation function and frequency spectrum due to a super-position of uncorrelated exponential pulses. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	24
22	Unified transport scaling laws for plasma blobs and depletions. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	10
23	Stability of electron wave spectra in weakly magnetized plasmas. <i>Journal of Plasma Physics</i> , 2017, 83, .	2.1	1
24	Power law spectra and intermittent fluctuations due to uncorrelated Lorentzian pulses. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	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.	2.5	22
26	A solvable blob-model for magnetized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 104002.	2.1	5
27	Scrape-off layer turbulence in TCV: evidence in support of stochastic modelling. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 044006.	2.1	37
28	Fluctuation statistics in the scrape-off layer of Alcator C-Mod. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 054001.	2.1	29
29	Weakly nonlinear ion waves in striated electron temperatures. <i>Physical Review E</i> , 2016, 93, 043204.	2.1	3
30	Level crossings, excess times, and transient plasmaâ€‘wall interactions in fusion plasmas. <i>Physics of Plasmas</i> , 2016, 23, 040702.	1.9	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, .	1.9	40
32	Parametric decay of wide band Langmuir waveâ‘‘spectra. <i>Journal of Plasma Physics</i> , 2016, 82, .	2.1	2
33	Planktonâ€™s perception of signals in a turbulent environment. <i>Advances in Physics: X</i> , 2016, 1, 20-34.	4.1	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.	3.1	0
35	Amplitude and size scaling for interchange motions of plasma filaments. <i>Physics of Plasmas</i> , 2016, 23, 122302.	1.9	14
36	Spectral properties of electrostatic drift wave turbulence in the laboratory and the ionosphere. <i>Annales Geophysicae</i> , 2015, 33, 875-900.	1.6	19

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37	Models for the probability densities of the turbulent plasma flux in magnetized plasmas. <i>Physica Scripta</i> , 2015, 90, 108005.	2.5	10
38	Magnetic field-aligned plasma currents in gravitational fields. <i>Annales Geophysicae</i> , 2015, 33, 257-266.	1.6	4
39	Convergence of statistical moments of particle density time series in scrape-off layer plasmas. <i>Physics of Plasmas</i> , 2015, 22, 012502.	1.9	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.	2.1	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.	1.9	54
44	Unstable ring-shaped ion distribution functions induced by charge-exchange collisions. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 124006.	2.1	7
45	Models for electrostatic drift waves with density variations along magnetic field lines. <i>Geophysical Research Letters</i> , 2013, 40, 5565-5569.	4.0	5
46	Numerical studies of a plasma diode with external forcing. <i>Physics of Plasmas</i> , 2012, 19, 082115.	1.9	2
47	Effect of dynamical friction on interchange motion of plasma filaments. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	17
48	Stochastic Modeling of Intermittent Scrape-Off Layer Plasma Fluctuations. <i>Physical Review Letters</i> , 2012, 108, 265001.	7.8	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.	0.4	4
51	Turbulent transport in a toroidal magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 085017.	2.1	16
52	Predator-prey encounter and capture rates for plankton in turbulent environments. <i>Progress in Oceanography</i> , 2012, 101, 14-32.	3.2	20
53	Encounter rates and transit time distributions for surfaces moving in turbulent flows. <i>Journal of Physics: Conference Series</i> , 2011, 318, 052034.	0.4	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.	1.9	12

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55	Minute-scale period oscillations of the magnetosphere. <i>Annales Geophysicae</i> , 2011, 29, 663-671.	1.6	11
56	Velocity scaling for filament motion in scrape-off layer plasmas. <i>Physics of Plasmas</i> , 2011, 18, 102314.	1.9	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.	2.3	7
59	Predator-prey encounter rates in turbulent water: Analytical models and numerical tests. <i>Progress in Oceanography</i> , 2010, 85, 171-179.	3.2	16
60	Ion acoustic double layers forming behind irradiated solid objects in streaming plasmas. <i>Journal of Plasma Physics</i> , 2010, 76, 429-439.	2.1	4
61	Low-frequency electrostatic waves in the ionospheric E region. <i>Plasma Sources Science and Technology</i> , 2010, 19, 034007.	3.1	5
62	Collisionless Plasma Shocks in Striated Electron Temperatures. <i>Physical Review Letters</i> , 2010, 104, 085002.	7.8	2
63	Transit times in turbulent flows. <i>Physical Review E</i> , 2010, 81, 046310.	2.1	5
64	Blob Transport in the Plasma Edge: a Review. <i>Plasma and Fusion Research</i> , 2009, 4, 019-019.	0.7	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.	1.9	19
67	Charging of insulating and conducting dust grains by flowing plasma and photoemission. <i>New Journal of Physics</i> , 2009, 11, 043005.	2.9	28
68	Plasma and Electromagnetic Simulations of Meteor Head Echo Radar Reflections. <i>Earth, Moon and Planets</i> , 2008, 102, 383-394.	0.6	11
69	Plasma and electromagnetic wave simulations of meteors. <i>Advances in Space Research</i> , 2008, 42, 136-142.	2.6	24
70	Numerical studies of ion focusing behind macroscopic obstacles in a supersonic plasma flow. <i>Physical Review E</i> , 2008, 77, 056408.	2.1	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.	2.1	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.	2.1	16
74	Wake behind dust grains in flowing plasmas with a directed photon flux. <i>Physical Review E</i> , 2008, 77, 065401.	2.1	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, , .	0.4	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.	2.9	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, .	2.1	0
79	Structure functions and intermittency in ionospheric plasma turbulence. <i>Nonlinear Processes in Geophysics</i> , 2008, 15, 847-862.	1.3	17
80	Collisionality dependent transport in TCV SOL plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B47-B57.	2.1	76
81	Turbulent particle fluxes to perfectly absorbing surfaces: a numerical study. <i>Journal of Turbulence</i> , 2007, 8, N42.	1.4	8
82	Nonlinearly generated plasma waves as a model for enhanced ion acoustic lines in the ionosphere. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	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.	1.3	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.	1.4	7
87	Two-dimensional convection and interchange motions in fluids and magnetized plasmas. <i>Physica Scripta</i> , 2006, T122, 104-124.	2.5	36
88	The application of passive tracers for investigating transport in plasma turbulence. <i>Physica Scripta</i> , 2006, T122, 129-134.	2.5	7
89	Interchange turbulence in the TCV scrape-off layer. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, L1-L10.	2.1	135
90	Turbulence simulations of blob formation and radial propagation in toroidally magnetized plasmas. <i>Physica Scripta</i> , 2006, T122, 89-103.	2.5	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.	1.8	19
92	Radial interchange motions of plasma filaments. <i>Physics of Plasmas</i> , 2006, 13, 082309.	1.9	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.	2.5	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.	1.6	19
96	Phase space structures generated by absorbing obstacles in streaming plasmas. <i>Annales Geophysicae</i> , 2005, 23, 853-865.	1.6	19
97	Experimental studies of occupation and transit times in turbulent flows. <i>Physics of Fluids</i> , 2005, 17, 035111.	4.0	17
98	Mechanism and scaling for convection of isolated structures in nonuniformly magnetized plasmas. <i>Physics of Plasmas</i> , 2005, 12, 090701.	1.9	94
99	Turbulence and intermittent transport at the boundary of magnetized plasmas. <i>Physics of Plasmas</i> , 2005, 12, 062309.	1.9	100
100	Turbulent particle flux to a perfectly absorbing surface. <i>Journal of Fluid Mechanics</i> , 2005, 534, 1-21.	3.4	24
101	Nonlinear wave interactions as a model for naturally enhanced ion acoustic lines in the ionosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	10
102	Computations of Intermittent Transport in Scrape-Off Layer Plasmas. <i>Physical Review Letters</i> , 2004, 92, 165003.	7.8	150
103	On the Possibility for Action Conservation in the Solar Cycle. <i>Solar Physics</i> , 2004, 222, 363-382.	2.5	1
104	Phase space structures generated by an absorbing obstacle in a streaming plasma. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	15
105	Radiation of sound from a charged dust particle moving at high velocity. <i>Physics of Plasmas</i> , 2003, 10, 2667-2676.	1.9	9
106	Collective motions in non-uniformly magnetized plasmas. <i>European Journal of Physics</i> , 2003, 24, 331-339.	0.6	16
107	Experimental studies of occupation times in turbulent flows. <i>Physical Review E</i> , 2003, 67, 056307.	2.1	8
108	Blobs and front propagation in the scrape-off layer of magnetic confinement devices. <i>Physics of Plasmas</i> , 2003, 10, 671-676.	1.9	81

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109	Confinement and bursty transport in a flux-driven convection model with sheared flows. Plasma Physics and Controlled Fusion, 2003, 45, 919-932.	2.1	36
110	Coherent structures, transport and intermittency in a magnetized plasma. Plasma Physics and Controlled Fusion, 2003, 45, 721-733.	2.1	49
111	Understanding the Simple Magnetized Torus. AIP Conference Proceedings, 2003, , .	0.4	0
112	Concentrations and concentration fluctuations in two-dimensional turbulence. Physics of Fluids, 2003, 15, 211-226.	4.0	5
113	Phase space vortices in collisionless plasmas. Nonlinear Processes in Geophysics, 2003, 10, 75-86.	1.3	48
114	Non-equilibrium quasi-stationary states in a magnetized plasma. Nonlinear Processes in Geophysics, 2003, 10, 139-149.	1.3	14
115	Predator-prey encounters in turbulent waters. Physical Review E, 2002, 65, 026304.	2.1	16
116	Time-resolved statistical analysis of nonlinear electrostatic fluctuations in the ionospheric E region. Journal of Geophysical Research, 2002, 107, SIA 5-1.	3.3	10
117	Nonlinear development of electron-beam-driven weak turbulence in an inhomogeneous plasma. Physical Review E, 2002, 65, 066408.	2.1	89
118	Ion phase-space vortices in 2.5-dimensional simulations. Journal of Plasma Physics, 2001, 65, 107-129.	2.1	18
119	Two-field transport models for magnetized plasmas. Journal of Plasma Physics, 2001, 65, 81-96.	2.1	33
120	Ion phase space vortices in 3 spatial dimensions. Europhysics Letters, 2001, 54, 161-167.	2.0	21
121	Modeling of prominence threads in magnetic fields: Levitation by incompressible MHD waves. Solar Physics, 2000, 194, 73-86.	2.5	31
122	Kinetic Theory of Vortex Crystal Formation in Electron Plasmas. Physica Scripta, 2000, 61, 489-493.	2.5	8
123	Low frequency waves in plasmas with spatially varying electron temperature. Annales Geophysicae, 2000, 18, 1613-1622.	1.6	7
124	Cavitation of lower hybrid waves in the Earth's ionosphere: A model analysis. Journal of Geophysical Research, 2000, 105, 18519-18535.	3.3	30
125	Spectral properties of low-frequency electrostatic waves in the ionospheric E region. Journal of Geophysical Research, 2000, 105, 10585-10601.	3.3	12
126	Local transit-time damping of electrostatic wave packets. Physics of Plasmas, 1999, 6, 1072-1082.	1.9	15

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127	Relative Diffusion of Charged Particles in Turbulent Magnetized Plasmas. <i>Physica Scripta</i> , 1999, T82, 74.	2.5	1
128	Nonlinear Dynamics of Resistive Electrostatic Drift Waves. <i>Physica Scripta</i> , 1999, T82, 12.	2.5	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.	2.5	2
131	Electron Acceleration by Nonlinear High Frequency Waves in Weakly Magnetized Plasmas. <i>Physica Scripta</i> , 1998, 58, 405-416.	2.5	6
132	Experimental study of low-frequency electrostatic fluctuations in a magnetized toroidal plasma. <i>Physical Review E</i> , 1998, 57, 2242-2255.	2.1	54
133	Weakly Nonlinear High Frequency Waves in Magnetized Plasmas. <i>Physica Scripta</i> , 1998, T75, 28.	2.5	1
134	Localization and Vortices in Strongly Magnetized Plasmas. <i>Physica Scripta</i> , 1998, T75, 290.	2.5	0
135	Lower-hybrid wave cavities detected by instrumented spacecrafts. <i>Plasma Physics and Controlled Fusion</i> , 1997, 39, A227-A236.	2.1	25
136	Finite Larmor radius effects and velocity correlations in two-dimensional electrostatic plasma turbulence. <i>Physical Review E</i> , 1997, 55, 982-990.	2.1	3
137	Anomalous Cross-Field Current and Fluctuating Equilibrium of Magnetized Plasmas. <i>Physical Review Letters</i> , 1997, 79, 1857-1860.	7.8	30
138	Eulerian and Lagrangian velocity correlations in two-dimensional random geostrophic flows. <i>Journal of Fluid Mechanics</i> , 1997, 338, 249-276.	3.4	8
139	Propagation and dispersion of electrostatic waves in the ionospheric E region. <i>Annales Geophysicae</i> , 1997, 15, 878-889.	1.6	10
140	Turbulent transport in low- β^2 plasmas. <i>Physics of Plasmas</i> , 1996, 3, 1530-1544.	1.9	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.	2.5	13
143	Concentration fluctuations in two-dimensional turbulence. <i>Europhysics Letters</i> , 1996, 36, 99-104.	2.0	2
144	Velocity correlations in two-dimensional electrostatic turbulence in low- β^2 plasmas. <i>Journal of Plasma Physics</i> , 1995, 54, 401-430.	2.1	3

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145	Fluctuations in a Magnetized Toroidal Plasma without Rotational Transform. <i>Physical Review Letters</i> , 1995, 75, 81-84.	7.8	47
146	Electrostatic fluctuations and turbulent plasma transport in low- β^2 plasmas. <i>Physica Scripta</i> , 1995, 51, 632-637.	2.5	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.	2.1	78
149	Experimental Evidence for Mode Selection in Turbulent Plasma Transport. <i>Europhysics Letters</i> , 1994, 27, 209-214.	2.0	6
150	Nonlinear wave interactions in two-electron-temperature plasmas. <i>Journal of Plasma Physics</i> , 1994, 51, 423-432.	2.1	19
151	Velocity correlations in two-dimensional electrostatic plasma turbulence. <i>Physica Scripta</i> , 1994, T50, 28-37.	2.5	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.	2.1	20
154	Coherent vortical structures in two-dimensional plasma turbulence. <i>Plasma Physics and Controlled Fusion</i> , 1992, 34, 2065-2070.	2.1	12
155	A wavenumber-in-cell simulation of weak Langmuir turbulence. <i>Physica Scripta</i> , 1992, 46, 159-172.	2.5	11
156	Studies of the Eulerian-Lagrangian transformation in two-dimensional random flows. <i>Journal of Fluid Mechanics</i> , 1991, 224, 485-505.	3.4	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.	2.5	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.	2.5	1
162	Wavenumber-in-cell simulation of weak Langmuir turbulence. <i>Physical Review Letters</i> , 1990, 64, 285-288.	7.8	4

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163	Nonlinear evolution of the modulational instability of whistler waves. <i>Physical Review Letters</i> , 1990, 64, 890-893.	7.8	15
164	Plasma vortices and their relation to cross-field diffusion: A laboratory study. <i>Physical Review Letters</i> , 1990, 64, 3023-3026.	7.8	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.	1.3	2
166	Coherent Structures in Numerically Simulated Ion-Acoustic Turbulence. <i>Europhysics Letters</i> , 1989, 9, 681-687.	2.0	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.	2.5	7
168	Coherent structures in numerically simulated plasma turbulence. <i>Physica Scripta</i> , 1989, 40, 280-294.	2.5	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.	2.1	14
170	Forced organization of flute-type fluctuations by convective cell injection. <i>Plasma Physics and Controlled Fusion</i> , 1989, 31, 855-871.	2.1	3
171	Low-frequency electrostatic turbulence in the polar cap $E \times B$ region. <i>Journal of Geophysical Research</i> , 1989, 94, 5337-5349.	3.3	33
172	A statistical analysis of numerically simulated plasma turbulence. <i>Physics of Fluids B</i> , 1989, 1, 1616-1636.	1.7	56
173	Asymptotic state of the finite-Larmor-radius guiding-centre plasma. <i>Journal of Plasma Physics</i> , 1989, 41, 157-170.	2.1	17
174	Forced organization of flute-type turbulence by convective cell injection. <i>Physical Review Letters</i> , 1988, 60, 1026-1029.	7.8	9
175	Experimental investigation of flute-type electrostatic turbulence. <i>Plasma Physics and Controlled Fusion</i> , 1988, 30, 1297-1318.	2.1	29
176	Finite Larmor radius effects to arbitrary order. <i>Physica Scripta</i> , 1988, 38, 829-834.	2.5	37
177	Ordinary wave propagation in a tokamak with random density fluctuations. <i>Nuclear Fusion</i> , 1988, 28, 769-778.	3.5	12
178	Ion phase-space vortices and their relation to small amplitude double-layers. <i>Laser and Particle Beams</i> , 1987, 5, 211-217.	1.0	14
179	Diffusion of charged particles in turbulent magnetoplasmas. <i>Plasma Physics and Controlled Fusion</i> , 1987, 29, 825-856.	2.1	46
180	Conditional eddies in plasma turbulence. <i>Physics of Fluids</i> , 1987, 30, 2239.	1.4	108

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181	Modified convective cells in plasmas. <i>Journal of Plasma Physics</i> , 1987, 37, 81-95.	2.1	13
182	Diffusion of gaussian puffs. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1987, 113, 81-105.	2.7	31
183	Diffusion of Gaussian puffs. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1987, 113, 81-105.	2.7	11
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