

Hans L. PÃ©cseli

List of Publications by Year in descending order

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252
papers

5,376
citations

87888

38
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60
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257
docs citations

257
times ranked

1767
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation and Coalescence of Electron Solitary Holes. <i>Physical Review Letters</i> , 1979, 42, 501-504.	7.8	209
2	Computations of Intermittent Transport in Scrape-Off Layer Plasmas. <i>Physical Review Letters</i> , 2004, 92, 165003.	7.8	150
3	Radial interchange motions of plasma filaments. <i>Physics of Plasmas</i> , 2006, 13, 082309.	1.9	142
4	Interchange turbulence in the TCV scrape-off layer. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, L1-L10.	2.1	135
5	Observations of Solitary Structures in a Magnetized, Plasma Loaded Waveguide. <i>Physica Scripta</i> , 1979, 20, 328-335.	2.5	118
6	Conditional eddies in plasma turbulence. <i>Physics of Fluids</i> , 1987, 30, 2239.	1.4	108
7	Turbulence and intermittent transport at the boundary of magnetized plasmas. <i>Physics of Plasmas</i> , 2005, 12, 062309.	1.9	100
8	Mechanism and scaling for convection of isolated structures in nonuniformly magnetized plasmas. <i>Physics of Plasmas</i> , 2005, 12, 090701.	1.9	94
9	Thermal Cavities. <i>Physica Scripta</i> , 1982, T2B, 548-559.	2.5	90
10	Nonlinear development of electron-beam-driven weak turbulence in an inhomogeneous plasma. <i>Physical Review E</i> , 2002, 65, 066408.	2.1	89
11	Coherent structures in two-dimensional plasma turbulence. <i>Physics of Fluids B</i> , 1991, 3, 1609-1625.	1.7	87
12	Stochastic Modeling of Intermittent Scrape-Off Layer Plasma Fluctuations. <i>Physical Review Letters</i> , 2012, 108, 265001.	7.8	87
13	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
14	A thermal oscillating two-stream instability. <i>Physics of Fluids</i> , 1983, 26, 146.	1.4	78
15	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
16	Collisionality dependent transport in TCV SOL plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B47-B57.	2.1	76
17	Turbulent transport in low- β plasmas. <i>Physics of Plasmas</i> , 1996, 3, 1530-1544.	1.9	71
18	Nonlinear electron waves in strongly magnetized plasmas. <i>Plasma Physics</i> , 1980, 22, 421-438.	0.9	70

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19	Solitons and Weakly Nonlinear Waves in Plasmas. IEEE Transactions on Plasma Science, 1985, 13, 53-86.	1.3	69
20	Langmuir solitons in magnetized plasmas. Plasma Physics, 1978, 20, 1087-1099.	0.9	67
21	Lower hybrid wave cavities detected by the FREJA satellite. Journal of Geophysical Research, 1996, 101, 5299-5316.	3.3	63
22	Numerical studies of ion focusing behind macroscopic obstacles in a supersonic plasma flow. Physical Review E, 2008, 77, 056408.	2.1	59
23	A statistical analysis of numerically simulated plasma turbulence. Physics of Fluids B, 1989, 1, 1616-1636.	1.7	56
24	Experimental study of low-frequency electrostatic fluctuations in a magnetized toroidal plasma. Physical Review E, 1998, 57, 2242-2255.	2.1	54
25	Intermittent fluctuations in the Alcator C-Mod scrape-off layer. Physics of Plasmas, 2013, 20, 055901.	1.9	54
26	The current-driven, ion-acoustic instability in a collisionless plasma. Plasma Physics, 1979, 21, 61-73.	0.9	53
27	Blob Transport in the Plasma Edge: a Review. Plasma and Fusion Research, 2009, 4, 019-019.	0.7	53
28	Experimental observations of ion phase-space vortices. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 81, 386-390.	2.1	50
29	Coherent structures, transport and intermittency in a magnetized plasma. Plasma Physics and Controlled Fusion, 2003, 45, 721-733.	2.1	49
30	Formation of Ion Phase-Space Vortexes. Physica Scripta, 1984, 29, 241-253.	2.5	48
31	Phase space vortices in collisionless plasmas. Nonlinear Processes in Geophysics, 2003, 10, 75-86.	1.3	48
32	The Farley Instability: A laboratory test. Journal of Geophysical Research, 1974, 79, 4747-4751.	3.3	47
33	Fluctuations in a Magnetized Toroidal Plasma without Rotational Transform. Physical Review Letters, 1995, 75, 81-84.	7.8	47
34	Diffusion of charged particles in turbulent magnetoplasmas. Plasma Physics and Controlled Fusion, 1987, 29, 825-856.	2.1	46
35	Non-linear Langmuir wave modulation in collisionless plasmas. Plasma Physics, 1977, 19, 931-943.	0.9	45
36	Stochastic modelling of intermittent fluctuations in the scrape-off layer: Correlations, distributions, level crossings, and moment estimation. Physics of Plasmas, 2016, 23, .	1.9	40

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37	Turbulence simulations of blob formation and radial propagation in toroidally magnetized plasmas. <i>Physica Scripta</i> , 2006, T122, 89-103.	2.5	39
38	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
39	Unstable electrostatic ion cyclotron waves excited by an ion beam. <i>Physics of Fluids</i> , 1976, 19, 453.	1.4	38
40	Drift wave turbulence in low- \hat{A} plasmas. <i>Plasma Physics</i> , 1983, 25, 1173-1197.	0.9	37
41	Nonlinear Interaction of Convective Cells in Plasmas. <i>Physical Review Letters</i> , 1984, 52, 2148-2151.	7.8	37
42	Finite Larmor radius effects to arbitrary order. <i>Physica Scripta</i> , 1988, 38, 829-834.	2.5	37
43	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
44	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
45	Confinement and bursty transport in a flux-driven convection model with sheared flows. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 919-932.	2.1	36
46	Two-dimensional convection and interchange motions in fluids and magnetized plasmas. <i>Physica Scripta</i> , 2006, T122, 104-124.	2.5	36
47	Modification of plasma solitons by resonant particles. <i>Physics of Fluids</i> , 1980, 23, 1782.	1.4	34
48	Low-frequency electrostatic turbulence in the polar cap $\langle i \rangle E \langle /i \rangle$ region. <i>Journal of Geophysical Research</i> , 1989, 94, 5337-5349.	3.3	33
49	Two-field transport models for magnetized plasmas. <i>Journal of Plasma Physics</i> , 2001, 65, 81-96.	2.1	33
50	Diffusion of gaussian puffs. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1987, 113, 81-105.	2.7	31
51	Modeling of prominence threads in magnetic fields: Levitation by incompressible MHD waves. <i>Solar Physics</i> , 2000, 194, 73-86.	2.5	31
52	Anomalous Cross-Field Current and Fluctuating Equilibrium of Magnetized Plasmas. <i>Physical Review Letters</i> , 1997, 79, 1857-1860.	7.8	30
53	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
54	Interaction between electron holes in a strongly magnetized plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980, 80, 23-25.	2.1	29

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55	Experimental investigation of flute-type electrostatic turbulence. Plasma Physics and Controlled Fusion, 1988, 30, 1297-1318.	2.1	29
56	Fluctuation statistics in the scrape-off layer of Alcator C-Mod. Plasma Physics and Controlled Fusion, 2016, 58, 054001.	2.1	29
57	Strong turbulence in partially ionized plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 77, 159-162.	2.1	28
58	Coherent structures in numerically simulated plasma turbulence. Physica Scripta, 1989, 40, 280-294.	2.5	28
59	Charging of insulating and conducting dust grains by flowing plasma and photoemission. New Journal of Physics, 2009, 11, 043005.	2.9	28
60	Velocity scaling for filament motion in scrape-off layer plasmas. Physics of Plasmas, 2011, 18, 102314.	1.9	28
61	Evolution of externally excited convective cells in plasmas. Physics of Fluids, 1983, 26, 1388.	1.4	25
62	Evolution of externally excited convective cells in plasmas. Plasma Physics and Controlled Fusion, 1984, 26, 1021-1034.	2.1	25
63	Lower-hybrid wave cavities detected by instrumented spacecrafts. Plasma Physics and Controlled Fusion, 1997, 39, A227-A236.	2.1	25
64	Nonlinear interaction of convective cells in plasmas. Plasma Physics and Controlled Fusion, 1985, 27, 837-846.	2.1	24
65	Turbulent particle flux to a perfectly absorbing surface. Journal of Fluid Mechanics, 2005, 534, 1-21.	3.4	24
66	Plasma and electromagnetic wave simulations of meteors. Advances in Space Research, 2008, 42, 136-142.	2.6	24
67	Auto-correlation function and frequency spectrum due to a super-position of uncorrelated exponential pulses. Physics of Plasmas, 2017, 24, .	1.9	24
68	Modification of Plasma Solitons by Resonant Particles. Physical Review Letters, 1979, 43, 210-214.	7.8	23
69	Convergence of statistical moments of particle density time series in scrape-off layer plasmas. Physics of Plasmas, 2015, 22, 012502.	1.9	23
70	Wake behind dust grains in flowing plasmas with a directed photon flux. Physical Review E, 2008, 77, 065401.	2.1	22
71	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
72	Statistical properties of a filtered Poisson process with additive random noise: distributions, correlations and moment estimation. Physica Scripta, 2017, 92, 054002.	2.5	22

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73	Ion phase space vortices in 3 spatial dimensions. <i>Europhysics Letters</i> , 2001, 54, 161-167.	2.0	21
74	Level crossings, excess times, and transient plasma-wall interactions in fusion plasmas. <i>Physics of Plasmas</i> , 2016, 23, 040702.	1.9	21
75	Nonlinear Evolution of the Ion-Ion Beam Instability. <i>Physical Review Letters</i> , 1982, 48, 1355-1358.	7.8	20
76	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
77	Predator-prey encounter and capture rates for plankton in turbulent environments. <i>Progress in Oceanography</i> , 2012, 101, 14-32.	3.2	20
78	Nonlinear electrostatic wave equations for magnetized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1984, 26, 443-447.	2.1	19
79	Phase-Space Models of Solitary Electron Holes. <i>Physica Scripta</i> , 1985, 31, 596-605.	2.5	19
80	Nonlinear wave interactions in two-electron-temperature plasmas. <i>Journal of Plasma Physics</i> , 1994, 51, 423-432.	2.1	19
81	Phase space structures generated by absorbing obstacles in streaming plasmas. <i>Annales Geophysicae</i> , 2005, 23, 853-865.	1.6	19
82	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
83	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
84	Interaction of two elongated dust grains in flowing plasmas studied by numerical simulations. <i>Physics of Plasmas</i> , 2009, 16, 023703.	1.9	19
85	Predator-prey encounter and capture rates in turbulent environments. <i>Limnology & Oceanography Fluids & Environments</i> , 2014, 4, 85-105.	1.7	19
86	Spectral properties of electrostatic drift wave turbulence in the laboratory and the ionosphere. <i>Annales Geophysicae</i> , 2015, 33, 875-900.	1.6	19
87	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
88	Analytical expressions for conditional averages: a numerical test. <i>Physica Scripta</i> , 1991, 43, 503-507.	2.5	18
89	Ion phase-space vortices in 2.5-dimensional simulations. <i>Journal of Plasma Physics</i> , 2001, 65, 107-129.	2.1	18
90	Turbulent diffusion in two-dimensional, strongly magnetized plasmas. <i>Journal of Plasma Physics</i> , 1985, 34, 77-94.	2.1	17

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91	Asymptotic state of the finite-Larmor-radius guiding-centre plasma. <i>Journal of Plasma Physics</i> , 1989, 41, 157-170.	2.1	17
92	Experimental studies of occupation and transit times in turbulent flows. <i>Physics of Fluids</i> , 2005, 17, 035111.	4.0	17
93	Structure functions and intermittency in ionospheric plasma turbulence. <i>Nonlinear Processes in Geophysics</i> , 2008, 15, 847-862.	1.3	17
94	Effect of dynamical friction on interchange motion of plasma filaments. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	17
95	Strong turbulence in low- β plasmas. <i>Plasma Physics</i> , 1980, 22, 817-829.	0.9	16
96	A laboratory experiment on EM backscatter from Farleyâ€Buneman and gradient drift waves. <i>Journal of Geophysical Research</i> , 1981, 86, 7694-7702.	3.3	16
97	Plasma vortices and their relation to cross-field diffusion: A laboratory study. <i>Physical Review Letters</i> , 1990, 64, 3023-3026.	7.8	16
98	Predator-prey encounters in turbulent waters. <i>Physical Review E</i> , 2002, 65, 026304.	2.1	16
99	Collective motions in non-uniformly magnetized plasmas. <i>European Journal of Physics</i> , 2003, 24, 331-339.	0.6	16
100	Patterns of sound radiation behind pointlike charged obstacles in plasma flows. <i>Physical Review E</i> , 2008, 78, 016401.	2.1	16
101	Predatorâ€prey encounter rates in turbulent water: Analytical models and numerical tests. <i>Progress in Oceanography</i> , 2010, 85, 171-179.	3.2	16
102	Turbulent transport in a toroidal magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 085017.	2.1	16
103	Intermittent fluctuations in the Alcator C-Mod scrape-off layer for ohmic and high confinement mode plasmas. <i>Physics of Plasmas</i> , 2018, 25, 056103.	1.9	16
104	Stationary density variation produced by a standing plasma wave. <i>Physics of Fluids</i> , 1977, 20, 1094.	1.4	15
105	Three dimensional double layers in magnetized plasmas. <i>Geophysical Research Letters</i> , 1982, 9, 1049-1052.	4.0	15
106	Nonlinear evolution of the modulational instability of whistler waves. <i>Physical Review Letters</i> , 1990, 64, 890-893.	7.8	15
107	Local transit-time damping of electrostatic wave packets. <i>Physics of Plasmas</i> , 1999, 6, 1072-1082.	1.9	15
108	Phase space structures generated by an absorbing obstacle in a streaming plasma. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	15

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109	Investigation of Strong Turbulence in a Low- β^2 Plasma. <i>Physical Review Letters</i> , 1978, 41, 951-954.	7.8	14
110	Nonlinear electrostatic wave equations for magnetized plasmas. II. <i>Plasma Physics and Controlled Fusion</i> , 1985, 27, 501-508.	2.1	14
111	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
112	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
113	Non-equilibrium quasi-stationary states in a magnetized plasma. <i>Nonlinear Processes in Geophysics</i> , 2003, 10, 139-149.	1.3	14
114	Amplitude and size scaling for interchange motions of plasma filaments. <i>Physics of Plasmas</i> , 2016, 23, 122302.	1.9	14
115	Damping-Growth Transition for Ion-Acoustic Waves in a Density Gradient. <i>Physical Review Letters</i> , 1975, 34, 1214-1216.	7.8	13
116	Nonlinear Langmuir wave modulation in weakly magnetized plasmas. <i>Plasma Physics</i> , 1978, 20, 971-989.	0.9	13
117	Drift-Wave Turbulence in Low- β^2 Plasmas. <i>Physica Scripta</i> , 1982, T2A, 147-157.	2.5	13
118	Conditional Eddies, or Clumps, in Ion-Beam-Generated Turbulence. <i>Physical Review Letters</i> , 1985, 55, 2297-2300.	7.8	13
119	Modified convective cells in plasmas. <i>Journal of Plasma Physics</i> , 1987, 37, 81-95.	2.1	13
120	Nonlinear wave interactions in two-electron-temperature plasmas. <i>Physica Scripta</i> , 1996, T63, 34-40.	2.5	13
121	Power law spectra and intermittent fluctuations due to uncorrelated Lorentzian pulses. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	13
122	Ordinary wave propagation in a tokamak with random density fluctuations. <i>Nuclear Fusion</i> , 1988, 28, 769-778.	3.5	12
123	Studies of the Eulerian-Lagrangian transformation in two-dimensional random flows. <i>Journal of Fluid Mechanics</i> , 1991, 224, 485-505.	3.4	12
124	Coherent vortical structures in two-dimensional plasma turbulence. <i>Plasma Physics and Controlled Fusion</i> , 1992, 34, 2065-2070.	2.1	12
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	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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127	Universality of Poisson-driven plasma fluctuations in the Alcator C-Mod scrape-off layer. <i>Physics of Plasmas</i> , 2018, 25, 122309.	1.9	12
128	Propagation of density perturbations in a collisionless Q-machine plasma. <i>Physics of Fluids</i> , 1973, 16, 221.	1.4	11
129	Thermally stimulated scattering in plasmas. <i>Journal of Applied Physics</i> , 1985, 57, 2477-2481.	2.5	11
130	A wavenumber-in-cell simulation of weak Langmuir turbulence. <i>Physica Scripta</i> , 1992, 46, 159-172.	2.5	11
131	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
132	Plasma and Electromagnetic Simulations of Meteor Head Echo Radar Reflections. <i>Earth, Moon and Planets</i> , 2008, 102, 383-394.	0.6	11
133	Minute-scale period oscillations of the magnetosphere. <i>Annales Geophysicae</i> , 2011, 29, 663-671.	1.6	11
134	Fluctuations in the direction of propagation of intermittent low-frequency ionospheric waves. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
135	Comparison between mirror Langmuir probe and gas-puff imaging measurements of intermittent fluctuations in the Alcator C-Mod scrape-off layer. <i>Journal of Plasma Physics</i> , 2020, 86, .	2.1	11
136	Diffusion of Gaussian puffs. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1987, 113, 81-105.	2.7	11
137	Turbulence in a cusp Q device. <i>Physics of Fluids</i> , 1974, 17, 1853.	1.4	10
138	Propagation and dispersion of electrostatic waves in the ionospheric E region. <i>Annales Geophysicae</i> , 1997, 15, 878-889.	1.6	10
139	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
140	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
141	Models for the probability densities of the turbulent plasma flux in magnetized plasmas. <i>Physica Scripta</i> , 2015, 90, 108005.	2.5	10
142	Unified transport scaling laws for plasma blobs and depletions. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	10
143	Probability distribution functions for intermittent scrape-off layer plasma fluctuations. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 034006.	2.1	10
144	Stochastic Generation of Continuous Wave Spectra. <i>Physical Review Letters</i> , 1983, 50, 353-356.	7.8	9

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145	Large-Scale Spectral Structure with a Gap in the Stably Stratified Atmosphere. <i>Physica Scripta</i> , 1985, 31, 616-620.	2.5	9
146	Weakly nonlinear electron plasma waves in collisional plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1986, 28, 485-507.	2.1	9
147	Conditional eddies in plasma turbulence. <i>Plasma Physics and Controlled Fusion</i> , 1986, 28, 1519-1523.	2.1	9
148	Clumps in drift wave turbulence. <i>Plasma Physics and Controlled Fusion</i> , 1986, 28, 1025-1041.	2.1	9
149	Forced organization of flute-type turbulence by convective cell injection. <i>Physical Review Letters</i> , 1988, 60, 1026-1029.	7.8	9
150	Radiation of sound from a charged dust particle moving at high velocity. <i>Physics of Plasmas</i> , 2003, 10, 2667-2676.	1.9	9
151	Linear plasma oscillation described by superposition of normal modes. <i>Physics of Fluids</i> , 1974, 17, 378.	1.4	8
152	Ion-beam-excited, electrostatic, ion cyclotron instability. <i>Physics of Fluids</i> , 1977, 20, 866.	1.4	8
153	Interaction between ion acoustic waves and electron plasma waves. <i>Plasma Physics</i> , 1978, 20, 45-57.	0.9	8
154	Electron-Bernstein waves in inhomogeneous magnetic fields. <i>Plasma Physics and Controlled Fusion</i> , 1984, 26, 703-716.	2.1	8
155	Interaction of plasma vortices with resonant particles. <i>Physics of Fluids B</i> , 1990, 2, 2035-2041.	1.7	8
156	Eulerian and Lagrangian velocity correlations in two-dimensional random geostrophic flows. <i>Journal of Fluid Mechanics</i> , 1997, 338, 249-276.	3.4	8
157	Kinetic Theory of Vortex Crystal Formation in Electron Plasmas. <i>Physica Scripta</i> , 2000, 61, 489-493.	2.5	8
158	Experimental studies of occupation times in turbulent flows. <i>Physical Review E</i> , 2003, 67, 056307.	2.1	8
159	Turbulent particle fluxes to perfectly absorbing surfaces: a numerical study. <i>Journal of Turbulence</i> , 2007, 8, N42.	1.4	8
160	Transient Effects of Nonlinear Wave Propagation in Magnetized Plasmas. <i>Physica Scripta</i> , 1982, T2B, 541-545.	2.5	8
161	External Excitation and Observation of a Magnetostatic Mode in a Plasma. <i>Physical Review Letters</i> , 1984, 53, 2559-2562.	7.8	7
162	Nonlinear Propagation of Short Wavelength Drift-Alfvén Waves. <i>Physica Scripta</i> , 1986, 34, 171-174.	2.5	7

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163	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
164	Electrostatic fluctuations and turbulent plasma transport in low- β^2 plasmas. <i>Physica Scripta</i> , 1995, 51, 632-637.	2.5	7
165	Low frequency waves in plasmas with spatially varying electron temperature. <i>Annales Geophysicae</i> , 2000, 18, 1613-1622.	1.6	7
166	Numerical studies of turbulent particle fluxes into perfectly absorbing spherical surfaces. <i>Journal of Turbulence</i> , 2006, 7, N22.	1.4	7
167	The application of passive tracers for investigating transport in plasma turbulence. <i>Physica Scripta</i> , 2006, T122, 129-134.	2.5	7
168	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
169	Concentration Fluctuations in Smoke Plumes Released Near the Ground. <i>Boundary-Layer Meteorology</i> , 2010, 137, 345-372.	2.3	7
170	Unstable ring-shaped ion distribution functions induced by charge- ϵ exchange collisions. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 124006.	2.1	7
171	Feeding of plankton in turbulent oceans and lakes. <i>Limnology and Oceanography</i> , 2019, 64, 1034-1046.	3.1	7
172	Interaction of Langmuir Solitons With Resonant Particles. <i>Physica Scripta</i> , 1982, T2B, 534-537.	2.5	6
173	Experimental Evidence for Mode Selection in Turbulent Plasma Transport. <i>Europhysics Letters</i> , 1994, 27, 209-214.	2.0	6
174	Electron Acceleration by Nonlinear High Frequency Waves in Weakly Magnetized Plasmas. <i>Physica Scripta</i> , 1998, 58, 405-416.	2.5	6
175	Modulational stability of electron plasma wave spectra. <i>Journal of Plasma Physics</i> , 2014, 80, 745-769.	2.1	6
176	Plankton's perception of signals in a turbulent environment. <i>Advances in Physics: X</i> , 2016, 1, 20-34.	4.1	6
177	Blob interactions in 2D scrape-off layer simulations. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	6
178	Propagation of Ion Acoustic Perturbations. <i>Physica Scripta</i> , 1975, 11, 311-315.	2.5	5
179	Ion Acoustic Waves in a Density Gradient. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1976, 31, 578-582.	1.5	5
180	Evolution of modulated dispersive electron waves in a plasma. <i>Plasma Physics</i> , 1979, 21, 701-712.	0.9	5

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181	Concentrations and concentration fluctuations in two-dimensional turbulence. <i>Physics of Fluids</i> , 2003, 15, 211-226.	4.0	5
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