

Pierre-Louis Sulem

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Collisionless magnetohydrodynamics with gyrokinetic effects. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	67
2	A MODEL FOR THE NON-UNIVERSAL POWER LAW OF THE SOLAR WIND SUB-ION-SCALE MAGNETIC SPECTRUM. <i>Astrophysical Journal Letters</i> , 2015, 812, L37.	8.3	45
3	Extending magnetohydrodynamics to the slow dynamics of collisionless plasmas. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	32
4	Landau fluid closures with nonlinear large-scale finite Larmor radius corrections for collisionless plasmas. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	29
5	Gyrofluid modeling and phenomenology of low- β Alfvén wave turbulence. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	29
6	A fluid model with finite Larmor radius effects for mirror mode dynamics. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	28
7	Fluid simulations of ion scale plasmas with weakly distorted magnetic fields. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	28
8	INFLUENCE OF THE NONLINEARITY PARAMETER ON THE SOLAR WIND SUB-ION MAGNETIC ENERGY SPECTRUM: FLR-LANDAU FLUID SIMULATIONS. <i>Astrophysical Journal</i> , 2016, 818, 66.	4.5	28
9	POLARIZATION AND COMPRESSIBILITY OF OBLIQUE KINETIC ALFVÉN WAVES. <i>Astrophysical Journal</i> , 2013, 766, 93.	4.5	27
10	Electron-scale reduced fluid models with gyroviscous effects. <i>Journal of Plasma Physics</i> , 2017, 83, .	2.1	27
11	Three-dimensional Simulations and Spacecraft Observations of Sub-ion Scale Turbulence in the Solar Wind: Influence of Landau Damping. <i>Astrophysical Journal</i> , 2017, 839, 122.	4.5	24
12	Imbalanced kinetic Alfvén wave turbulence: from weak turbulence theory to nonlinear diffusion models for the strong regime. <i>Journal of Plasma Physics</i> , 2019, 85, .	2.1	24
13	Fluid simulations of plasma turbulence at ion scales: Comparison with Vlasov-Maxwell simulations. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	22
14	REDUCTION OF COMPRESSIBILITY AND PARALLEL TRANSFER BY LANDAU DAMPING IN TURBULENT MAGNETIZED PLASMAS. <i>Astrophysical Journal</i> , 2011, 743, 128.	4.5	19
15	Reduced models accounting for parallel magnetic perturbations: gyrofluid and finite Larmor radius-Landau fluid approaches. <i>Journal of Plasma Physics</i> , 2016, 82, .	2.1	13
16	A reduced Landau-gyrofluid model for magnetic reconnection driven by electron inertia. <i>Journal of Plasma Physics</i> , 2018, 84, .	2.1	11
17	On the mirror instability in the presence of electron temperature anisotropy. <i>Physics of Plasmas</i> , 2012, 19, 090701.	1.9	9
18	Modeling Imbalanced Collisionless Alfvén Wave Turbulence with Nonlinear Diffusion Equations. <i>Astrophysical Journal Letters</i> , 2020, 888, L7.	8.3	9

#	ARTICLE	IF	CITATIONS
19	Inverse cascade and magnetic vortices in kinetic Alfvén-wave turbulence. <i>Journal of Plasma Physics</i> , 2021, 87, .	2.1	7
20	A Hamiltonian gyrofluid model based on a quasi-static closure. <i>Journal of Plasma Physics</i> , 2020, 86, .	2.1	5
21	Fluid Energy Cascade Rate and Kinetic Damping: New Insight from 3D Landau-fluid Simulations. <i>Astrophysical Journal</i> , 2021, 923, 122.	4.5	4
22	Landau fluid closures with nonlinear large-scale finite Larmor radius corrections for collisionless plasmas – CORRIGENDUM. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	2