Cross-scale energy transport in space plasmas

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Citation Report

#	Article	IF	Citations
1	A journey through scales. Nature Physics, 2016, 12, 1092-1093.	16.7	8
2	Distribution of Field-Aligned Electron Events in the High-Altitude Polar Region: Cluster Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 11,245-11,255.	2.4	2
3	Ionâ€Scale Wave Properties and Enhanced Ion Heating Across the Lowâ€Latitude Boundary Layer During Kelvinâ€Helmholtz Instability. Journal of Geophysical Research: Space Physics, 2017, 122, 11,128.	2.4	23
4	On the Dawnâ€Dusk Asymmetry of the Kelvinâ€Helmholtz Instability Between 2007 and 2013. Journal of Geophysical Research: Space Physics, 2017, 122, 11,888.	2.4	29
5	Influence of velocity fluctuations on the Kelvinâ€Helmholtz instability and its associated mass transport. Journal of Geophysical Research: Space Physics, 2017, 122, 9489-9512.	2.4	28
6	Temperature variations in the dayside magnetosheath and their dependence on ionâ€scale magnetic structures: THEMIS statistics and measurements by MMS. Journal of Geophysical Research: Space Physics, 2017, 122, 6165-6184.	2.4	10
7	Spontaneous Emission of AlfvÃ©nic Branch Oscillations From a Strong Inhomogeneous Plasma Flow. Geophysical Research Letters, 2018, 45, 64-70.	4.0	12
8	Fourâ€Spacecraft Magnetic Curvature and Vorticity Analyses on Kelvinâ€Helmholtz Waves in MHD Simulations. Journal of Geophysical Research: Space Physics, 2018, 123, 513-529.	2.4	6
9	Observing Kelvinâ€“Helmholtz instability in solar blowout jet. Scientific Reports, 2018, 8, 8136.	3.3	36
10	Electric Field and Current. Astronomy and Astrophysics Library, 2018, , 235-296.	0.1	1
11	Laboratory Excitation of the Kelvinâ€Helmholtz Instability in an Ionosphericâ€Like Plasma. Geophysical Research Letters, 2018, 45, 3846-3853.	4.0	13
12	Kelvinâ€“Helmholtz Instability: Lessons Learned and Ways Forward. Space Science Reviews, 2018, 214, 1.	8.1	36
13	Magnetic depression and electron transport in an ion-scale flux rope associated with Kelvinâ€“Helmholtz waves. Annales Geophysicae, 2018, 36, 879-889.	1.6	12
14	Comparison Between Fluid Simulation With Test Particles and Hybrid Simulation for the Kelvinâ€Helmholtz Instability. Journal of Geophysical Research: Space Physics, 2019, 124, 6654-6668.	2.4	13
15	Solar Wind Ion Entry Into the Magnetosphere During Northward IMF. Journal of Geophysical Research: Space Physics, 2019, 124, 5461-5481.	2.4	34
16	Achievements of Hinode in the first eleven years. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	69
17	Spontaneous magnetic field multipolar structure in toroidal plasmas based on 2D equilibrium. Plasma Science and Technology, 2019, 21, 045101.	1.5	0
18	Turbulence-Driven Ion Beams in the Magnetospheric Kelvin-Helmholtz Instability. Physical Review Letters, 2019, 122, 035102.	7.8	62

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19	Kelvinâ€Helmholtz Waves Magnetic Curvature and Vorticity: Fourâ€Spacecraft Cluster Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 3347-3359.	2.4	5
20	First MMS Observation of Energetic Particles Trapped in Highâ€Latitude Magnetic Field Depressions. Journal of Geophysical Research: Space Physics, 2019, 124, 197-210.	2.4	17
21	Flux Tube Entropy and Specific Entropy in Saturn's Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 1593-1611.	2.4	8
22	Statistical Study of Solar Wind, Magnetosheath, and Magnetotail Plasma and Field Properties: 12+ Years of THEMIS Observations and MHD Simulations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028209.	2.4	13
23	ULF waves observed in solar wind and on the ground at high, mid, and low latitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 200, 105220.	1.6	2
24	Plasma transport into the duskside magnetopause caused by Kelvinâ€“Helmholtz vortices in response to the northward turning of the interplanetary magnetic field observed by THEMIS. Annales Geophysicae, 2020, 38, 263-273.	1.6	3
25	Decay of Kelvinâ€Helmholtz Vortices at the Earth's Magnetopause Under Pure Southward IMF Conditions. Geophysical Research Letters, 2020, 47, e2020GL087574.	4.0	10
26	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. Frontiers in Astronomy and Space Sciences, 2020, 6, .	2.8	18
27	Compiling Magnetosheath Statistical Data Sets Under Specific Solar Wind Conditions: Lessons Learnt From the Dayside Kinetic Southward IMF GEM Challenge. Earth and Space Science, 2020, 7, e2020EA001095.	2.6	3
28	Generation of Turbulence in Kelvinâ€Helmholtz Vortices at the Earth's Magnetopause: Magnetospheric Multiscale Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027595.	2.4	15
29	Effects of Fluctuating Magnetic Field on the Growth of the Kelvinâ€Helmholtz Instability at the Earth's Magnetopause. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027515.	2.4	21
30	Magnetospheric Multiscale Statistics of High Energy Electrons Trapped in Diamagnetic Cavities. Journal of Geophysical Research: Space Physics, 2021, 126, .	2.4	6
31	Kelvinâ€“Helmholtzâ€Related Turbulent Heating at Saturn's Magnetopause Boundary. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028479.	2.4	12
32	MMS Observations of the Multiscale Wave Structures and Parallel Electron Heating in the Vicinity of the Southern Exterior Cusp. Journal of Geophysical Research: Space Physics, 2021, 126, e2019JA027698.	2.4	15
37	Laboratory plasma devices for space physics investigation. Review of Scientific Instruments, 2021, 92, 071101.	1.3	14
38	20ÂYears of Cluster Observations: The Magnetopause. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029362.	2.4	3
39	Electron Energization and Energy Dissipation in Microscale Electromagnetic Environments. Astrophysical Journal Letters, 2020, 899, L31.	8.3	10
42	Bifurcated Current Sheet Observed on the Boundary of Kelvin-Helmholtz Vortices. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	3

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43	Ion Dynamics in the Meso-scale 3-D Kelvinâ€“Helmholtz Instability: Perspectives From Test Particle Simulations. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	2
44	Kelvin-Helmholtz Instability Associated With Reconnection and Ultra Low Frequency Waves at the Ground: A Case Study. Frontiers in Physics, 2021, 9, .	2.1	5
45	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. Experimental Astronomy, 2022, 54, 427-471.	3.7	14
46	Experimental observations of detached bow shock formation in the interaction of a laser-produced plasma with a magnetized obstacle. Physics of Plasmas, 2022, 29, .	1.9	6
47	Multi-scale evolution of Kelvinâ€“Helmholtz waves at the Earth's magnetopause during southward IMF periods. Physics of Plasmas, 2022, 29, .	1.9	8
48	Diffusive Plasma Transport by the Magnetopause Kelvin-Helmholtz Instability During Southward IMF. Frontiers in Astronomy and Space Sciences, 2022, 8, .	2.8	3
49	Coupling Between AlfvÃ©n Wave and Kelvinâ€“Helmholtz Waves in the Low Latitude Boundary Layer. Frontiers in Astronomy and Space Sciences, 2022, 8, .	2.8	3
50	Substructure of a Kelvinâ€Helmholtz Vortex Accompanied by Plasma Transport Under the Northward Interplanetary Magnetic Field. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2
51	Characteristics of Kelvinâ€“Helmholtz Waves as Observed by the MMS From September 2015 to March 2020. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	4
52	Review of Mercuryâ€™s dynamic magnetosphere: Post-MESSENGER era and comparative magnetospheres. Science China Earth Sciences, 2022, 65, 25-74.	5.2	19
53	Intense Energy Conversion Events at the Magnetopause Boundary Layer. Geophysical Research Letters, 2022, 49, .	4.0	2
54	Observations of Instability-driven Nanojets in Coronal Loops. Astrophysical Journal, 2022, 934, 190.	4.5	6
55	Kelvin-Helmholtz instability-driven magnetopause dynamics as turbulent pathway for the solar wind-magnetosphere coupling and the flank-central plasma sheet communication. Frontiers in Astronomy and Space Sciences, 0, 10, .	2.8	1
56	On the Role of Kinetic Alfven Waves in the Magnetosheath Ion Thermalization Around the Nightâ€Side Magnetopause. Journal of Geophysical Research: Space Physics, 2023, 128, .	2.4	0
57	Seven Sisters: a mission to study fundamental plasma physical processes in the solar wind and a pathfinder to advance space weather prediction. Frontiers in Astronomy and Space Sciences, 0, 10, .	2.8	3
58	Wave analysis during energetic electron microinjections: A case study. Physics of Plasmas, 2023, 30, .	1.9	1
59	Identiï¬cation of slow waves in the evolution of KHI near the Venusian ionopause. Physica Scripta, 0, , .	2.5	0
60	Density and Magnetic Field Asymmetric Kelvinâ€Helmholtz Instability. Journal of Geophysical Research: Space Physics, 2024, 129, .	2.4	0