

Haoming Liang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

372
citations

840585

11
h-index

794469

19
g-index

21
all docs

21
docs citations

21
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory, observations, and simulations of kinetic entropy in a magnetotail electron diffusion region. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	7
2	Dissipation measures in weakly collisional plasmas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4857-4873.	1.6	29
3	Evolution of Solar Wind Turbulence from 0.1 to 1 au during the First Parker Solar Probe's Solar Orbiter Radial Alignment. <i>Astrophysical Journal Letters</i> , 2021, 912, L21.	3.0	49
4	Assessing the Role of Interchange Reconnection in Forming Switchbacks. <i>Astrophysical Journal</i> , 2021, 917, 110.	1.6	18
5	Kinetic entropy-based measures of distribution function non-Maxwellianity: theory and simulations. <i>Journal of Plasma Physics</i> , 2020, 86, .	0.7	13
6	Estimating Effective Collision Frequency and Kinetic Entropy Uncertainty in Particle-in-Cell Simulations. <i>Journal of Physics: Conference Series</i> , 2020, 1620, 012009.	0.3	5
7	A kinetic perspective on azimuthal variation of magnetopause reconnection at scales below an Earth radius. <i>Journal of Physics: Conference Series</i> , 2020, 1620, 012028.	0.3	0
8	Azimuthal Variation of Magnetopause Reconnection at Scales Below an Earth Radius. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086500.	1.5	6
9	Magnetohydrodynamic Turbulent Evolution of a Magnetic Cloud in the Outer Heliosphere. <i>Astrophysical Journal Letters</i> , 2020, 905, L12.	3.0	10
10	Decomposition of plasma kinetic entropy into position and velocity space and the use of kinetic entropy in particle-in-cell simulations. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	20
11	Structure and Dynamics of Three-Dimensional Magnetotail Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8241-8260.	0.8	5
12	Oxygen acceleration in magnetotail reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 618-639.	0.8	23
13	Coalescence of Macroscopic Flux Ropes at the Subsolar Magnetopause: Magnetospheric Multiscale Observations. <i>Physical Review Letters</i> , 2017, 119, 055101.	2.9	72
14	Mission Oriented Support and Theory (MOST) for MMS's the Goddard Space Flight Center/University of California Los Angeles Interdisciplinary Science Program. , 2017, , 687-717.		0
15	Identifying the electron diffusion region in a realistic simulation of Earth's magnetotail. <i>Geophysical Research Letters</i> , 2016, 43, 6005-6011.	1.5	12
16	Oxygen impacts on dipolarization fronts and reconnection rate. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1148-1166.	0.8	22
17	Observation of high-frequency electrostatic waves in the vicinity of the reconnection ion diffusion region by the spacecraft of the Magnetospheric Multiscale (MMS) mission. <i>Geophysical Research Letters</i> , 2016, 43, 4808-4815.	1.5	32
18	Mission Oriented Support and Theory (MOST) for MMS's the Goddard Space Flight Center/University of California Los Angeles Interdisciplinary Science Program. <i>Space Science Reviews</i> , 2016, 199, 689-719.	3.7	5

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19	Multiscale study of electron energization during unsteady reconnection events. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4784-4799.	0.8	29
20	Contrasting electron acceleration processes during two substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5382-5400.	0.8	5
21	Alfvénic Fluctuations in an Interplanetary Coronal Mass Ejection Observed Near 1 AU. <i>Plasma Science and Technology</i> , 2012, 14, 102-106.	0.7	10