

# Haoming Liang

## List of Publications by Year in descending order

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21  
papers

372  
citations

840585

11  
h-index

794469

19  
g-index

21  
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21  
docs citations

21  
times ranked

594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coalescence of Macroscopic Flux Ropes at the Subsolar Magnetopause: Magnetospheric Multiscale Observations. <i>Physical Review Letters</i> , 2017, 119, 055101.	2.9	72
2	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
3	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
4	Multiscale study of electron energization during unsteady reconnection events. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4784-4799.	0.8	29
5	Dissipation measures in weakly collisional plasmas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4857-4873.	1.6	29
6	Oxygen acceleration in magnetotail reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 618-639.	0.8	23
7	Oxygen impacts on dipolarization fronts and reconnection rate. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1148-1166.	0.8	22
8	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
9	Assessing the Role of Interchange Reconnection in Forming Switchbacks. <i>Astrophysical Journal</i> , 2021, 917, 110.	1.6	18
10	Kinetic entropy-based measures of distribution function non-Maxwellianity: theory and simulations. <i>Journal of Plasma Physics</i> , 2020, 86, .	0.7	13
11	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
12	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
13	Magnetohydrodynamic Turbulent Evolution of a Magnetic Cloud in the Outer Heliosphere. <i>Astrophysical Journal Letters</i> , 2020, 905, L12.	3.0	10
14	Theory, observations, and simulations of kinetic entropy in a magnetotail electron diffusion region. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	7
15	Azimuthal Variation of Magnetopause Reconnection at Scales Below an Earth Radius. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086500.	1.5	6
16	Contrasting electron acceleration processes during two substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5382-5400.	0.8	5
17	Mission Oriented Support and Theory (MOST) for MMS at 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
18	Structure and Dynamics of Three-Dimensional Magnetotail Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8241-8260.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Estimating Effective Collision Frequency and Kinetic Entropy Uncertainty in Particle-in-Cell Simulations. Journal of Physics: Conference Series, 2020, 1620, 012009.	0.3	5
20	A kinetic perspective on azimuthal variation of magnetopause reconnection at scales below an Earth radius. Journal of Physics: Conference Series, 2020, 1620, 012028.	0.3	0
21	Mission Oriented Support and Theory (MOST) for MMS at the Goddard Space Flight Center/University of California Los Angeles Interdisciplinary Science Program. , 2017, , 687-717.		0