

TÂM NAKAMURA

List of Publications by Year in descending order

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55
papers

1,360
citations

377584

21
h-index

406436

35
g-index

71
all docs

71
docs citations

71
times ranked

1104
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-scale evolution of Kelvin-Helmholtz waves at the Earth's magnetopause during southward IMF periods. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	8
2	Diffusive Plasma Transport by the Magnetopause Kelvin-Helmholtz Instability During Southward IMF. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 8, .	1.1	3
3	Multi-scale observations of the magnetopause Kelvin-Helmholtz waves during southward IMF. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	12
4	Statistical investigation of electric field fluctuations around the lower-hybrid frequency range at dipolarization fronts in the near-earth magnetotail. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	3
5	Magnetic Field Annihilation in a Magnetotail Electron Diffusion Region With Electron-Scale Magnetic Island. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	6
6	An Encounter With the Ion and Electron Diffusion Regions at a Flapping and Twisted Tail Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028903.	0.8	8
7	Wave Activity in a Dynamically Evolving Reconnection Separatrix. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028520.	0.8	2
8	Fast Cross-Scale Energy Transfer During Turbulent Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093524.	1.5	13
9	Remote Sensing of Magnetic Reconnection in the Magnetotail Using In Situ Multipoint Observations at the Plasma Sheet Boundary Layer. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	0.8	4
10	Reconstruction of the Electron Diffusion Region With Inertia and Compressibility Effects. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029841.	0.8	7
11	Thin Current Sheet Behind the Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029518.	0.8	8
12	Bifurcated Current Sheet Observed on the Boundary of Kelvin-Helmholtz Vortices. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	3
13	Decay of Kelvin-Helmholtz Vortices at the Earth's Magnetopause Under Pure Southward IMF Conditions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087574.	1.5	10
14	Latitudinal Dependence of the Kelvin-Helmholtz Instability and Beta Dependence of Vortex-Induced High-Guide Field Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027333.	0.8	7
15	Generation of Turbulence in Kelvin-Helmholtz Vortices at the Earth's Magnetopause: Magnetospheric Multiscale Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027595.	0.8	15
16	Effects of Fluctuating Magnetic Field on the Growth of the Kelvin-Helmholtz Instability at the Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027515.	0.8	21
17	Magnetic Reconnection Inside a Flux Rope Induced by Kelvin-Helmholtz Vortices. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027665.	0.8	26
18	Modeling MMS Observations at the Earth's Magnetopause with Hybrid Simulations of Alfvénic Turbulence. <i>Astrophysical Journal</i> , 2020, 898, 175.	1.6	17

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19	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1173-1186.	0.8	34
20	Disturbance of the Front Region of Magnetic Reconnection Outflow Jets due to the Lower-Hybrid Drift Instability. <i>Physical Review Letters</i> , 2019, 123, 235101.	2.9	11
21	Reconstruction of the Electron Diffusion Region of Magnetotail Reconnection Seen by the MMS Spacecraft on 11 July 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 122-138.	0.8	25
22	On Multiple Hall- Ω -Like Electron Currents and Tripolar Guide Magnetic Field Perturbations During Kelvin-Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1305-1324.	0.8	10
23	MMS Observation of Asymmetric Reconnection Supported by ∇ Electron Pressure Divergence. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1806-1821.	0.8	34
24	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1260-1278.	0.8	32
25	How Accurately Can We Measure the Reconnection Rate $\langle v \rangle_E$ _{$\langle v \rangle_M$} for the MMS Diffusion Region Event of 11 July 2017?. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9130-9149.	0.8	64
26	Oblique Ion-Scale Magnetotail Flux Ropes Generated by Secondary Tearing Modes. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8122-8130.	0.8	14
27	Electromagnetic linear dispersion relation for plasma with a drift across magnetic field revisited. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	8
28	Measurement of the Magnetic Reconnection Rate in the Earth's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9150-9168.	0.8	50
29	Remote Sensing of the Reconnection Electric Field From In Situ Multipoint Observations of the Separatrix Boundary. <i>Geophysical Research Letters</i> , 2018, 45, 3829-3837.	1.5	10
30	Strongly localized magnetic reconnection by the super-Alfvénic shear flow. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	13
31	Evolution of a typical ion-scale magnetic flux rope caused by thermal pressure enhancement. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2040-2050.	0.8	18
32	Reconstruction of the electron diffusion region observed by the Magnetospheric Multiscale spacecraft: First results. <i>Geophysical Research Letters</i> , 2017, 44, 4566-4574.	1.5	27
33	Simultaneous Remote Observations of Intense Reconnection Effects by DMSP and MMS Spacecraft During a Storm Time Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10891-10909.	0.8	17
34	Mass and Energy Transfer Across the Earth's Magnetopause Caused by Vortex-Induced Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,505.	0.8	35
35	Turbulent mass transfer caused by vortex induced reconnection in collisionless magnetospheric plasmas. <i>Nature Communications</i> , 2017, 8, 1582.	5.8	63
36	Electron-Scale Quadrants of the Hall Magnetic Field Observed by the Magnetospheric Multiscale spacecraft during Asymmetric Reconnection. <i>Physical Review Letters</i> , 2017, 118, 175101.	2.9	64

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37	Spatial dimensions of the electron diffusion region in anti-parallel magnetic reconnection. <i>Annales Geophysicae</i> , 2016, 34, 357-367.	0.6	17
38	Multi-scale structures of turbulent magnetic reconnection. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	26
39	Three-dimensional development of front region of plasma jets generated by magnetic reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 8356-8364.	1.5	14
40	Two interacting X lines in magnetotail: Evolution of collision between the counterstreaming jets. <i>Geophysical Research Letters</i> , 2016, 43, 7795-7803.	1.5	4
41	Dual-spacecraft reconstruction of a three-dimensional magnetic flux rope at the Earth's magnetopause. <i>Annales Geophysicae</i> , 2015, 33, 169-184.	0.6	13
42	Motion of reconnection region in the Earth's magnetotail. <i>Geophysical Research Letters</i> , 2015, 42, 4685-4693.	1.5	15
43	Turbulent plasma transport across the Earth's low-latitude boundary layer. <i>Geophysical Research Letters</i> , 2014, 41, 8704-8712.	1.5	35
44	Three-dimensional dynamics of vortex-induced reconnection and comparison with THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5742-5757.	0.8	83
45	Three-dimensional structure of magnetic reconnection in the magnetotail from Geotail observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1667-1678.	0.8	72
46	Hall magnetohydrodynamic effects for three-dimensional magnetic reconnection with finite width along the direction of the current. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	36
47	EIDOSCOPE: particle acceleration at plasma boundaries. <i>Experimental Astronomy</i> , 2012, 33, 491-527.	1.6	6
48	Evolution of an MHD-scale Kelvin-Helmholtz vortex accompanied by magnetic reconnection: Two-dimensional particle simulations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	49
49	The structure of Kelvin-Helmholtz vortices with super-sonic flow. <i>Advances in Space Research</i> , 2008, 41, 1325-1330.	1.2	13
50	Magnetic Reconnection by a Self-Retreating X Line. <i>Physical Review Letters</i> , 2008, 101, 205004.	2.9	30
51	Magnetic Effects on the Coalescence of Kelvin-Helmholtz Vortices. <i>Physical Review Letters</i> , 2008, 101, 165002.	2.9	34
52	Magnetic reconnection induced by weak Kelvin-Helmholtz instability and the formation of the low-latitude boundary layer. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	69
53	Magnetic reconnection within MHD-scale Kelvin-Helmholtz vortices triggered by electron inertial effects. <i>Advances in Space Research</i> , 2006, 37, 522-526.	1.2	22
54	Magnetic reconnection within rolled-up MHD-scale Kelvin-Helmholtz vortices: Two-fluid simulations including finite electron inertial effects. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	52

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55	Decay of MHD-Scale Kelvin-Helmholtz Vortices Mediated by Parasitic Electron Dynamics. Physical Review Letters, 2004, 92, 145001.	2.9	64