

# Tai Phan

## List of Publications by Year in descending order

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194  
papers

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citations

14655

66  
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203  
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203  
docs citations

203  
times ranked

3498  
citing authors

#	ARTICLE	IF	CITATIONS
1	First multispacecraft ion measurements in and near the Earth's magnetosphere with the identical Cluster ion spectrometry (CIS) experiment. <i>Annales Geophysicae</i> , 2001, 19, 1303-1354.	1.6	1,040
2	Transport of solar wind into Earth's magnetosphere through rolled-up Kelvin-Helmholtz vortices. <i>Nature</i> , 2004, 430, 755-758.	27.8	562
3	Tail Reconnection Triggering Substorm Onset. <i>Science</i> , 2008, 321, 931-935.	12.6	551
4	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016, 352, aaf2939.	12.6	545
5	The FIELDS Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	8.1	521
6	In situ detection of collisionless reconnection in the Earth's magnetotail. <i>Nature</i> , 2001, 412, 414-417.	27.8	467
7	Evidence of Diffusion Regions at a Subsolar Magnetopause Crossing. <i>Physical Review Letters</i> , 2002, 89, 015002.	7.8	335
8	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019, 215, 9.	8.1	332
9	Evidence for Electron Acceleration up to $\sim 300$ keV in the Magnetic Reconnection Diffusion Region of Earth's Magnetotail. <i>Physical Review Letters</i> , 2002, 89, 195001.	7.8	301
10	A magnetic reconnection X-line extending more than 390 Earth radii in the solar wind. <i>Nature</i> , 2006, 439, 175-178.	27.8	281
11	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , 2018, 557, 202-206.	27.8	263
12	ELECTRON ACCELERATION BY MULTI-ISLAND COALESCENCE. <i>Astrophysical Journal</i> , 2010, 714, 915-926.	4.5	233
13	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018, 362, 1391-1395.	12.6	221
14	Extended magnetic reconnection at the Earth's magnetopause from detection of bi-directional jets. <i>Nature</i> , 2000, 404, 848-850.	27.8	212
15	Structure of the Magnetic Reconnection Diffusion Region from Four-Spacecraft Observations. <i>Physical Review Letters</i> , 2004, 93, 105001.	7.8	193
16	Low-latitude dayside magnetopause and boundary layer for high magnetic shear: 1. Structure and motion. <i>Journal of Geophysical Research</i> , 1996, 101, 7801-7815.	3.3	184
17	Average properties of the magnetic reconnection ion diffusion region in the Earth's magnetotail: The 2001-2005 Cluster observations and comparison with simulations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	182
18	Comprehensive study of the magnetospheric response to a hot flow anomaly. <i>Journal of Geophysical Research</i> , 1999, 104, 4577-4593.	3.3	169

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19	Magnetotail flow bursts: Association to global magnetospheric circulation, relationship to ionospheric activity and direct evidence for localization. <i>Geophysical Research Letters</i> , 1997, 24, 2271-2274.	4.0	163
20	In-Situ Observations of Reconnection in Space. <i>Space Science Reviews</i> , 2013, 178, 385-417.	8.1	163
21	Ion heating resulting from pickup in magnetic reconnection exhausts. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	151
22	Evidence for an Elongated ( $\langle \mathbf{m} \rangle$ ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Diffusion Region during Fast Magnetic Reconnection. <i>Physical Review Letters</i> , 2007, 99, 255002.	7.8	150
23	Observations of Turbulence Generated by Magnetic Reconnection. <i>Physical Review Letters</i> , 2009, 102, 035001.	7.8	146
24	Observation of lower hybrid drift instability in the diffusion region at a reconnecting magnetopause. <i>Geophysical Research Letters</i> , 2002, 29, 33-1-33-4.	4.0	140
25	Low-latitude dayside magnetopause and boundary layer for high magnetic shear: 2. Occurrence of magnetic reconnection. <i>Journal of Geophysical Research</i> , 1996, 101, 7817-7828.	3.3	138
26	Simultaneous Cluster and IMAGE observations of cusp reconnection and auroral proton spot for northward IMF. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	130
27	THE DEPENDENCE OF MAGNETIC RECONNECTION ON PLASMA $\hat{v}^2$ AND MAGNETIC SHEAR: EVIDENCE FROM SOLAR WIND OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2010, 719, L199-L203.	8.3	130
28	Multi-point observations of the Hall electromagnetic field and secondary island formation during magnetic reconnection. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	128
29	Magnetic reconnection at the dayside magnetopause: Advances with MMS. <i>Geophysical Research Letters</i> , 2016, 43, 8327-8338.	4.0	125
30	Cluster observations of continuous reconnection at the magnetopause under steady interplanetary magnetic field conditions. <i>Annales Geophysicae</i> , 2004, 22, 2355-2367.	1.6	118
31	Sharp Alfvénic Impulses in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 45.	7.7	115
32	The dependence of magnetic reconnection on plasma $\langle \hat{v}^2 \rangle$ and magnetic shear: Evidence from magnetopause observations. <i>Geophysical Research Letters</i> , 2013, 40, 11-16.	4.0	109
33	Cluster encounter of a magnetic reconnection diffusion region in the near-Earth magnetotail on September 19, 2003. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	106
34	Kinetic signatures of the region surrounding the $\langle X \rangle$ line in asymmetric (magnetopause) reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 4145-4154.	4.0	106
35	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016, 43, 5606-5615.	4.0	104
36	Wind observations of foreshock cavities: A case study. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 4-1.	3.3	103

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37	Electron bulk heating in magnetic reconnection at Earth's magnetopause: Dependence on the inflow Alfvén speed and magnetic shear. <i>Geophysical Research Letters</i> , 2013, 40, 4475-4480.	4.0	101
38	Evidence for newly closed magnetosheath field lines at the dayside magnetopause under northward IMF. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	99
39	MMS observations of electron-scale filamentary currents in the reconnection exhaust and near the X line. <i>Geophysical Research Letters</i> , 2016, 43, 6060-6069.	4.0	99
40	Evidence for magnetic reconnection initiated in the magnetosheath. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	95
41	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , 2016, 43, 4716-4724.	4.0	95
42	Asymmetry of the Ion Diffusion Region Hall Electric and Magnetic Fields during Guide Field Reconnection: Observations and Comparison with Simulations. <i>Physical Review Letters</i> , 2010, 104, 205001.	7.8	91
43	Cluster observations of the exterior cusp and its surrounding boundaries under northward IMF. <i>Geophysical Research Letters</i> , 2002, 29, 561-564.	4.0	87
44	Wind survey of high-speed bulk flows and field-aligned beams in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 3-1-SMP 3-17.	3.3	86
45	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , 2016, 43, 5918-5925.	4.0	86
46	THEMIS observations of a hot flow anomaly: Solar wind, magnetosheath, and ground-based measurements. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	85
47	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 5536-5544.	4.0	84
48	Characteristics of the magnetosheath electron boundary layer under northward interplanetary magnetic field: Implications for high-latitude reconnection. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	81
49	Prevalence of magnetic reconnection at small field shear angles in the solar wind. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	81
50	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 3042-3050.	4.0	81
51	Properties of the Turbulence Associated with Electron-only Magnetic Reconnection in Earth's Magnetosheath. <i>Astrophysical Journal Letters</i> , 2019, 877, L37.	8.3	80
52	Magnetospheric Multiscale Dayside Reconnection Electron Diffusion Region Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4858-4878.	2.4	79
53	Direct Evidence for a Three-Dimensional Magnetic Flux Rope Flanked by Two Active Magnetic Reconnection Lines at Earth's Magnetopause. <i>Physical Review Letters</i> , 2011, 107, 165007.	7.8	78
54	The location of reconnection at the magnetopause: Testing the maximum magnetic shear model with THEMIS observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	75

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55	Energy Partition in Magnetic Reconnection in Earth's Magnetotail. <i>Physical Review Letters</i> , 2013, 110, 225001.	7.8	75
56	Electron heating during magnetic reconnection: A simulation scaling study. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	74
57	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. <i>Physical Review Letters</i> , 2016, 117, 015001.	7.8	74
58	Ion bulk heating in magnetic reconnection exhausts at Earth's magnetopause: Dependence on the inflow Alfvén speed and magnetic shear angle. <i>Geophysical Research Letters</i> , 2014, 41, 7002-7010.	4.0	73
59	MAGNETIC RECONNECTION IN THE SOLAR WIND AT CURRENT SHEETS ASSOCIATED WITH EXTREMELY SMALL FIELD SHEAR ANGLES. <i>Astrophysical Journal Letters</i> , 2013, 763, L39.	8.3	71
60	Direct evidence for prolonged magnetic reconnection at a continuous x-line within the heliospheric current sheet. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	70
61	The competition of electron and ion heating during magnetic reconnection. <i>Geophysical Research Letters</i> , 2015, 42, 9657-9665.	4.0	70
62	Multiple magnetic reconnection sites associated with a coronal mass ejection in the solar wind. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	69
63	Magnetospheric Multiscale Observation of Plasma Velocity-Space Cascade: Hermite Representation and Theory. <i>Physical Review Letters</i> , 2017, 119, 205101.	7.8	69
64	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. <i>Geophysical Research Letters</i> , 2018, 45, 3338-3347.	4.0	69
65	The plasmaspheric plume and magnetopause reconnection. <i>Geophysical Research Letters</i> , 2014, 41, 223-228.	4.0	67
66	Electron energization and mixing observed by MMS in the vicinity of an electron diffusion region during magnetopause reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 6036-6043.	4.0	67
67	A Solar Source of Alfvénic Magnetic Field Switchbacks: In Situ Remnants of Magnetic Funnel on Supergranulation Scales. <i>Astrophysical Journal</i> , 2021, 923, 174.	4.5	67
68	Super-Alfvénic Propagation of Substorm Reconnection Signatures and Poynting Flux. <i>Physical Review Letters</i> , 2011, 107, 065001.	7.8	66
69	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 5571-5580.	4.0	66
70	Magnetospheric Multiscale observations of large-amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 5626-5634.	4.0	66
71	In Situ Observations of a Magnetosheath High-Speed Jet Triggering Magnetopause Reconnection. <i>Geophysical Research Letters</i> , 2018, 45, 1732-1740.	4.0	66
72	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 34.	7.7	65

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73	Prevalence of extended reconnection Xâ€šlines in the solar wind at 1 AU. Geophysical Research Letters, 2009, 36, .	4.0	64
74	Detection of oppositely directed reconnection jets in a solar wind current sheet. Geophysical Research Letters, 2006, 33, .	4.0	62
75	Fluid and kinetics signatures of reconnection at the dawn tail magnetopause: Wind observations. Journal of Geophysical Research, 2001, 106, 25489-25501.	3.3	61
76	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. Physical Review Letters, 2016, 116, 235102.	7.8	61
77	Transition from ion-coupled to electron-only reconnection: Basic physics and implications for plasma turbulence. Physics of Plasmas, 2019, 26, .	1.9	61
78	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. Annales Geophysicae, 2012, 30, 1025-1035.	1.6	59
79	THEMIS multiâ€šspacecraft observations of magnetosheath plasma penetration deep into the dayside lowâ€šlatitude magnetosphere for northward and strong $B_{y}$ IMF. Geophysical Research Letters, 2008, 35, .	4.0	54
80	Five spacecraft observations of oppositely directed exhaust jets from a magnetic reconnection Xâ€šline extending $> 4.26 \text{ \AA}^{-10^{6}}$ km in the solar wind at 1 AU. Geophysical Research Letters, 2007, 34, .	4.0	53
81	Magnetopause motion driven by interplanetary magnetic field variations. Journal of Geophysical Research, 2000, 105, 25155-25169.	3.3	52
82	A Quarter Century of <i>Wind</i> Spacecraft Discoveries. Reviews of Geophysics, 2021, 59, e2020RG000714.	23.0	52
83	Observations of Magnetic Reconnection in the Transition Region of Quasiâ€šParallel Shocks. Geophysical Research Letters, 2019, 46, 1177-1184.	4.0	51
84	The Heliospheric Current Sheet in the Inner Heliosphere Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 47.	7.7	50
85	Characteristic Scales of Magnetic Switchback Patches Near the Sun and Their Possible Association With Solar Supergranulation and Granulation. Astrophysical Journal, 2021, 919, 96.	4.5	50
86	Walâ€šon and variance analyses of high-speed flows observed by Wind in the midtail plasma sheet: Evidence for reconnection. Journal of Geophysical Research, 2000, 105, 25247-25263.	3.3	49
87	The subsolar magnetosheath and magnetopause for high solar wind ram pressure: WIND observations. Geophysical Research Letters, 1996, 23, 1279-1282.	4.0	48
88	Characteristics of the near-tail dawn magnetopause and boundary layer. Annales Geophysicae, 2005, 23, 1481-1497.	1.6	48
89	Largeâ€šscale characteristics of reconnection diffusion regions and associated magnetopause crossings observed by MMS. Journal of Geophysical Research: Space Physics, 2017, 122, 5466-5486.	2.4	48
90	Fluid Aspects of Reconnection at the Magnetopause: In Situ Observations. Geophysical Monograph Series, 0, , 167-180.	0.1	47

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91	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2017, 44, 2978-2986.	4.0	46
92	Cluster multispacecraft observations at the high-latitude duskside magnetopause: implications for continuous and component magnetic reconnection. <i>Annales Geophysicae</i> , 2005, 23, 461-473.	1.6	46
93	Magnetospheric Multiscale Satellite Observations of Parallel Electron Acceleration in Magnetic Field Reconnection by Fermi Reflection from Time Domain Structures. <i>Physical Review Letters</i> , 2016, 116, 145101.	7.8	45
94	The Effect of a Guide Field on Local Energy Conversion During Asymmetric Magnetic Reconnection: MMS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,342.	2.4	45
95	Multipoint Measurements of the Electron Jet of Symmetric Magnetic Reconnection with a Moderate Guide Field. <i>Physical Review Letters</i> , 2017, 118, 265101.	7.8	44
96	Influence of asymmetries and guide fields on the magnetic reconnection diffusion region in collisionless space plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 124001.	2.1	43
97	What Controls the Structure and Dynamics of Earth's Magnetosphere?. <i>Space Science Reviews</i> , 2015, 188, 251-286.	8.1	43
98	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , 2018, 45, 1237-1245.	4.0	41
99	The Role of the Parallel Electric Field in Electron-scale Dissipation at Reconnecting Currents in the Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6533-6547.	2.4	40
100	Observation of a Complex Solar Wind Reconnection Exhaust from Spacecraft Separated by over 1800 R <sub>E</sub> . <i>Solar Physics</i> , 2009, 256, 379-392.	2.5	39
101	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit. <i>Astrophysical Journal Letters</i> , 2020, 894, L19.	8.3	39
102	Determining the M-N Current Sheet Coordinates at the Magnetopause From Magnetospheric Multiscale Data. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2274-2295.	2.4	38
103	Simultaneous Geotail and Wind observations of reconnection at the subsolar and tail flank magnetopause. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	37
104	Cause of superthermal electron heating during magnetotail reconnection. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	36
105	Motion of the MMS spacecraft relative to the magnetic reconnection structure observed on 16 October 2015 at 1307 ÅUT. <i>Geophysical Research Letters</i> , 2016, 43, 5589-5596.	4.0	36
106	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , 2019, 46, 1937-1946.	4.0	36
107	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9926-9939.	2.4	35
108	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1779-1793.	2.4	35

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109	Cluster survey of cusp reconnection and its IMF dependence. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	34
110	Cluster Observes the High-Altitude CUSP Region. <i>Surveys in Geophysics</i> , 2005, 26, 135-175.	4.6	34
111	MMS Observation of Asymmetric Reconnection Supported by $\nabla \cdot \mathbf{E}$ Electron Pressure Divergence. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1806-1821.	2.4	34
112	Guide Field Reconnection: Exhaust Structure and Heating. <i>Geophysical Research Letters</i> , 2018, 45, 4569-4577.	4.0	34
113	Triggering of magnetic reconnection in a magnetosheath current sheet due to compression against the magnetopause. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	33
114	Statistics of Reconnecting Current Sheets in the Transition Region of Earth's Bow Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027119.	2.4	32
115	Evidence that crater flux transfer events are initial stages of typical flux transfer events. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	31
116	Magnetic reconnection X-line retreat associated with dipolarization of the Earth's magnetosphere. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	30
117	High-resolution Statistics of Solar Wind Turbulence at Kinetic Scales Using the Magnetospheric Multiscale Mission. <i>Astrophysical Journal Letters</i> , 2017, 844, L9.	8.3	30
118	Turbulence-driven magnetic reconnection and the magnetic correlation length: Observations from Magnetospheric Multiscale in Earth's magnetosheath. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	30
119	Observations of plasma waves in the colliding jet region of a magnetic flux rope flanked by two active X lines at the subsolar magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6256-6272.	2.4	29
120	Statistical properties of solar wind reconnection exhausts. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5895-5909.	2.4	29
121	Plasma depletion layer: Event studies with a global model. <i>Journal of Geophysical Research</i> , 2003, 108, SMP 8-1.	3.3	28
122	Wind observations of asymmetric magnetic reconnection in the distant magnetotail. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	28
123	Development of bifurcated current sheets in solar wind reconnection exhausts. <i>Geophysical Research Letters</i> , 2015, 42, 10,513.	4.0	28
124	Decay of mesoscale flux transfer events during quasi-continuous spatially extended reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 4755-4762.	4.0	28
125	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. <i>Geophysical Research Letters</i> , 2018, 45, 11,520.	4.0	28
126	Characteristics of the ion pressure tensor in the Earth's magnetosheath. <i>Geophysical Research Letters</i> , 1995, 22, 667-670.	4.0	27

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127	Reconstruction of the electron diffusion region observed by the Magnetospheric Multiscale spacecraft: First results. <i>Geophysical Research Letters</i> , 2017, 44, 4566-4574.	4.0	27
128	The Effect of a Guide Field on Local Energy Conversion During Asymmetric Magnetic Reconnection: Particle-in-Cell Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,523.	2.4	27
129	Large-scale Survey of the Structure of the Dayside Magnetopause by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2018-2033.	2.4	27
130	In situ evidence of electron energization in the electron diffusion region of magnetotail reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1955-1968.	2.4	26
131	Structure and evolution of flux transfer events near dayside magnetic reconnection dissipation region: MMS observations. <i>Geophysical Research Letters</i> , 2017, 44, 5951-5959.	4.0	26
132	Localized and Intense Energy Conversion in the Diffusion Region of Asymmetric Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2018, 45, 5260-5267.	4.0	26
133	Effect of inflow density on ion diffusion region of magnetic reconnection: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	25
134	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.	2.4	25
135	Characteristics of the Flank Magnetopause: MMS Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027623.	2.4	24
136	Electron Inflow Velocities and Reconnection Rates at Earth's Magnetopause and Magnetosheath. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089082.	4.0	23
137	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. <i>Astronomy and Astrophysics</i> , 2021, 650, A13.	5.1	23
138	Magnetospheric quasi-static response to the dynamic magnetosheath: A THEMIS case study. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	22
139	ON MULTIPLE RECONNECTION X-LINES AND TRIPOLAR PERTURBATIONS OF STRONG GUIDE MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2015, 805, 43.	4.5	22
140	Magnetospheric Multiscale Mission observations and non-force free modeling of a flux transfer event immersed in a super-Alfvénic flow. <i>Geophysical Research Letters</i> , 2016, 43, 6070-6077.	4.0	22
141	Observations of Hall Reconnection Physics Far Downstream of the $X$ Line. <i>Physical Review Letters</i> , 2016, 117, 185102.	7.8	22
142	The nonlinear behavior of whistler waves at the reconnecting dayside magnetopause as observed by the Magnetospheric Multiscale mission: A case study. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5487-5501.	2.4	22
143	The response time of the magnetopause reconnection location to changes in the solar wind: MMS case study. <i>Geophysical Research Letters</i> , 2016, 43, 4673-4682.	4.0	21
144	Ion Larmor radius effects near a reconnection X line at the magnetopause: THEMIS observations and simulation comparison. <i>Geophysical Research Letters</i> , 2016, 43, 8844-8852.	4.0	21

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145	Electron and ion edges and the associated magnetic topology of the reconnecting magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9294-9306.	2.4	20
146	The physical foundation of the reconnection electric field. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	20
147	The reduction of magnetic reconnection outflow jets to sub-Alfvénic speeds. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	20
148	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Event-Like Structures at the Earth's Magnetopause. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086726.	4.0	20
149	Asymmetric shear flow effects on magnetic field configuration within oppositely directed solar wind reconnection exhausts. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	19
150	Comparison of Magnetospheric Multiscale ion jet signatures with predicted reconnection site locations at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 5997-6004.	4.0	19
151	Wave Phenomena and Beam-Plasma Interactions at the Magnetopause Reconnection Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1118-1133.	2.4	19
152	Energy Flux Densities near the Electron Dissipation Region in Asymmetric Magnetopause Reconnection. <i>Physical Review Letters</i> , 2020, 125, 265102.	7.8	17
153	Magnetospheric Multiscale analysis of intense field-aligned Poynting flux near the Earth's plasma sheet boundary. <i>Geophysical Research Letters</i> , 2017, 44, 7106-7113.	4.0	16
154	MMS SITL Ground Loop: Automating the Burst Data Selection Process. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, 54.	2.8	16
155	Parker Solar Probe Observations of Solar Wind Energetic Proton Beams Produced by Magnetic Reconnection in the Near-Sun Heliospheric Current Sheet. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	15
156	The complex structure of the reconnecting magnetopause. <i>Physics of Plasmas</i> , 2003, 10, 2480-2485.	1.9	14
157	Anomalous Flow Deflection at Earth's Low-Alfvén-Mach-Number Bow Shock. <i>Physical Review Letters</i> , 2008, 101, 065003.	7.8	14
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