

Paul Tenfjord

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

945
citations

394421

19
h-index

477307

29
g-index

62
all docs

62
docs citations

62
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of Solar Windâ€“Magnetosphereâ€“Ionosphereâ€“Atmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Science Reviews</i> , 2017, 206, 547-573.	8.1	105
2	How the IMF $\langle B_y \rangle$ induces a $\langle B_y \rangle$ component in the closed magnetosphere and how it leads to asymmetric currents and convection patterns in the two hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9368-9384.	2.4	90
3	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015, 33, 1369-1402.	1.6	66
4	Energy transfer and flow in the solar windâ€“magnetosphereâ€“ionosphere system: A new coupling function. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5659-5672.	2.4	39
5	The impact of sunlight on high-latitude equivalent currents. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2715-2726.	2.4	37
6	Characteristics of the flank magnetopause: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9019-9037.	2.4	36
7	Magnetospheric response and reconfiguration times following IMF $\langle B_y \rangle$ reversals. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 417-431.	2.4	35
8	Intensity asymmetries in the dusk sector of the poleward auroral oval due to IMF $\langle B_x \rangle$. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9497-9507.	2.4	29
9	Birkeland current effects on high-latitude ground magnetic field perturbations. <i>Geophysical Research Letters</i> , 2015, 42, 7248-7254.	4.0	29
10	How the IMF $\langle B_y \rangle$ Induces a Local $\langle B_y \rangle$ Component During Northward IMF $\langle B_z \rangle$ and Characteristic Timescales. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3333-3348.	2.4	27
11	On the role of separatrix instabilities in heating the reconnection outflow region. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	27
12	The Impact of Oxygen on the Reconnection Rate. <i>Geophysical Research Letters</i> , 2019, 46, 6195-6203.	4.0	27
13	North-south asymmetries in cold plasma density in the magnetotail lobes: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 136-149.	2.4	26
14	Impacts of Ionospheric Ions on Magnetic Reconnection and Earth's Magnetosphere Dynamics. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000707.	23.0	26
15	Dynamic effects of restoring footpoint symmetry on closed magnetic field lines. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3963-3977.	2.4	24
16	Characteristics of the Flank Magnetopause: MMS Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027623.	2.4	24
17	Mass Loading the Earth's Dayside Magnetopause Boundary Layer and Its Effect on Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2019, 46, 6204-6213.	4.0	21
18	Electron Acceleration and Thermalization at Magnetotail Separatrices. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027440.	2.4	21

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19	The physical foundation of the reconnection electric field. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	20
20	Evolution of Asymmetrically Displaced Footpoints During Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,030.	2.4	19
21	Observations of Asymmetries in Ionospheric Return Flow During Different Levels of Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4638-4651.	2.4	19
22	Dayside and nightside magnetic field responses at 780 km altitude to dayside reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1670-1689.	2.4	18
23	The asymmetric geospace as displayed during the geomagnetic storm on 17 August 2001. <i>Annales Geophysicae</i> , 2018, 36, 1577-1596.	1.6	18
24	Timescales of Dayside and Nightside Field-Aligned Current Response to Changes in Solar Wind-Magnetosphere Coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7307-7319.	2.4	16
25	High-density O ⁺ in Earth's outer magnetosphere and its effect on dayside magnetopause magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10257-10269.	2.4	14
26	The Formation of an Oxygen Wave by Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9370-9380.	2.4	13
27	Interplanetary Magnetic Field B_x Component Influence on Horizontal and Field-Aligned Currents in the Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3360-3379.	2.4	12
28	IMF B_y Influence on Magnetospheric Convection in Earth's Magnetotail Plasma Sheet. <i>Geophysical Research Letters</i> , 2019, 46, 11698-11708.	4.0	11
29	Collisionless Magnetic Reconnection in an Asymmetric Oxygen Density Configuration. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085359.	4.0	11
30	Observations of Asymmetric Lobe Convection for Weak and Strong Tail Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9999-10017.	2.4	10
31	Validating the Space Weather Modeling Framework (SWMF) for applications in northern Europe. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 33.	3.3	10
32	Interaction of Cold Streaming Protons with the Reconnection Process. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027619.	2.4	9
33	On the Presence and Thermalization of Cold Ions in the Exhaust of Antiparallel Symmetric Reconnection. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	2.8	7
34	MMS Observations of Multiscale Hall Physics in the Magnetotail. <i>Geophysical Research Letters</i> , 2019, 46, 10230-10239.	4.0	5
35	Evolution of IMF B_y Induced Asymmetries: The Role of Tail Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029577.	2.4	5
36	A New Look at the Electron Diffusion Region in Asymmetric Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028456.	2.4	4

#	ARTICLE	IF	CITATIONS
37	The Micro-Macro Coupling of Mass-Loading in Symmetric Magnetic Reconnection With Cold Ions. Geophysical Research Letters, 2021, 48, e2020GL090690.	4.0	4
38	Quantification of Cold-Ion Beams in a Magnetic Reconnection Jet. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	4
39	Estimating the Rate of Cessation of Magnetospheric Activity in AMPERE Field-Aligned Currents. Geophysical Research Letters, 2018, 45, 12,713.	4.0	3
40	On the Impact of a Streaming Oxygen Population on Collisionless Magnetic Reconnection. Geophysical Research Letters, 2020, 47, e2020GL089462.	4.0	3
41	High-Density Magnetospheric He ⁺ at the Dayside Magnetopause and Its Effect on Magnetic Reconnection. Journal of Geophysical Research: Space Physics, 2021, 126, .	2.4	3
42	Millisecond observations of nonlinear wave-electron interaction in electron phase space holes. Physics of Plasmas, 2022, 29, .	1.9	3
43	Magnetic Reconnection in a Sheared Magnetic Flux Tube: Slippage Versus Tearing. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029236.	2.4	1
44	How does the magnetosphere go to sleep?. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 220, 105626.	1.6	1
45	Asymmetrically Varying Guide Field During Magnetic Reconnection: Particle-in-Cell Simulations. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	1
46	MMS Observations of an Expanding Oxygen Wave in Magnetic Reconnection. Geophysical Research Letters, 2021, 48, e2021GL095065.	4.0	0
47	Overview of Solar Wind-Magnetosphere-Ionosphere-Atmosphere Coupling and the Generation of Magnetospheric Currents. Space Sciences Series of ISSI, 2018, , 555-581.	0.0	0
48	The Role of Resistivity on the efficiency of Magnetic Reconnection in MHD. Journal of Geophysical Research: Space Physics, 0, , .	2.4	0