Therese Moretto

List of Publications by Year
in descending order

56	1,190	430874	395702
papers	citations	18 h-index	33 g-index

64	64	64	1135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymmetrically Varying Guide Field During Magnetic Reconnection: Particleâ€inâ€Cell Simulations. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	1
2	Achievements and Lessons Learned From Successful Small Satellite Missions for Space Weatherâ€Oriented Research. Space Weather, 2022, 20, .	3.7	4
3	A New Look at the Electron Diffusion Region in Asymmetric Magnetic Reconnection. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028456.	2.4	4
4	The Microâ€Macro Coupling of Massâ€Loading in Symmetric Magnetic Reconnection With Cold Ions. Geophysical Research Letters, 2021, 48, e2020GL090690.	4.0	4
5	Seasonal and Hemispheric Asymmetries of F Region Polar Cap Plasma Density: Swarm and CHAMP Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028084.	2.4	9
6	International Coordination and Support for SmallSatâ€Enabled Space Weather Activities. Space Weather, 2020, 18, e2020SW002568.	3.7	2
7	Time-scale dependence of solar wind-based regression models of ionospheric electrodynamics. Scientific Reports, 2020, 10, 16406.	3.3	5
8	An Explicit IMF B Dependence on Solar Windâ€Magnetosphere Coupling. Geophysical Research Letters, 2020, 47, e2019GL086062.	4.0	21
9	The Relationship Between Cusp Region Ion Outflows and Eastâ€West Magnetic Field Fluctuations at 4,000â€km Altitude. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027454.	2.4	4
10	Validating the Space Weather Modeling Framework (SWMF) for applications in northern Europe. Journal of Space Weather and Space Climate, 2020, 10, 33.	3.3	10
11	Daedalus: a low-flying spacecraft for in situ exploration of the lower thermosphereâ€“ionosphere. Geoscientific Instrumentation, Methods and Data Systems, 2020, 9, 153-191.	1.6	25
12	Observations of Asymmetric Lobe Convection for Weak and Strong Tail Activity. Journal of Geophysical Research: Space Physics, 2019, 124, 9999-10017.	2.4	10
13	Magnetic Effects of Plasma Pressure Gradients in the Upper F Region. Geophysical Research Letters, 2019, 46, 2355-2363.	4.0	9
14	The physical foundation of the reconnection electric field. Physics of Plasmas, 2018, 25, .	1.9	20
15	The Critical Role of the Research Community in Space Weather Planning and Execution. Space Weather, 2018, 16, 200-204.	3.7	1
16	Estimating the Rate of Cessation of Magnetospheric Activity in AMPERE Fieldâ€Aligned Currents. Geophysical Research Letters, 2018, 45, 12,713.	4.0	3
17	Extreme Geomagnetic Storms â€“ 1868â€‰â€“â€‰2010. Solar Physics, 2016, 291, 1447-1481.	2.5	45
18	Monitoring auroral electrojets with satellite data. Space Weather, 2013, 11, 509-519.	3.7	8

#	Article	IF	Citations
19	Small Satellites for Space Weather Research. Space Weather, 2008, 6, n/a-n/a.	3.7	11
20	CubeSat Mission to Investigate Ionospheric Irregularities. Space Weather, 2008, 6, n/a-n/a.	3.7	16
21	On the cause of IMF B_y related midâ€•and low latitude magnetic disturbances. Geophysical Research Letters, 2007, 34, .	4.0	12
22	Workshop on Small Satellite Missions for Space Weather Research. Space Weather, 2007, 5, n/a-n/a.	3.7	0
23	Using global magnetospheric models for simulation and interpretation of Swarm external field measurements. Earth, Planets and Space, 2006, 58, 439-449.	2.5	19
24	Modeling and analysis of solar wind generated contributions to the near-Earth magnetic field. Earth, Planets and Space, 2006, 58, 451-461.	2.5	10
25	Flux pile-up and plasma depletion at the high latitude dayside magnetopause during southward interplanetary magnetic field: a cluster event study. Annales Geophysicae, 2005, 23, 2259-2264.	1.6	6
26	Field-aligned currents during northward interplanetary magnetic field: Morphology and causes. Journal of Geophysical Research, 2005, 110, .	3.3	45
27	Occurrence statistics of magnetic impulsive events. Annales Geophysicae, 2004, 22, 585-602.	1.6	9
28	Field-aligned currents in the dayside cusp and polar cap region during northward IMF. Journal of Geophysical Research, 2002, 107, SMP 18-1-SMP 18-5.	3.3	37
29	Magnetospheric signature of an ionospheric traveling convection vortex event. Journal of Geophysical Research, 2002, 107, SMP 5-1.	3.3	16
30	Global MHD modeling of the impact of a solar wind pressure change. Journal of Geophysical Research, 2002, 107, SMP 21-1.	3.3	38
31	New approaches to explore the Earth's magnetic field. Journal of Geodynamics, 2002, 33, 29-41.	1.6	10
32	Solar wind effects on ionospheric convection: a review. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 145-157.	1.6	12
33	Investigating the auroral electrojets with low altitude polar orbiting satellites. Annales Geophysicae, 2002, 20, 1049-1061.	1.6	15
34	Electrodynamic coupling of high and low latitudes: Observations on May 27, 1993. Journal of Geophysical Research, 2000, 105, 22979-22989.	3.3	58
35	Conjunction of tail satellites for substorm study: ISTP event of 1997 January 2. Geophysical Research Letters, 2000, 27, 1831-1834.	4.0	4
36	Ionospheric convection response to changes of interplanetary magnetic fieldBzcomponent during strongBycomponent. Journal of Geophysical Research, 2000, 105, 5231-5243.	3.3	12

#	Article	IF	Citations
37	High-latitude ionospheric response to a sudden impulse event during northward IMF conditions. Journal of Geophysical Research, 2000, 105, 2521-2531.	3.3	38
38	High-latitude ionospheric convection during strong interplanetary magnetic fieldBy. Geophysical Research Letters, 1999, 26, 405-408.	4.0	3
39	Tracking transient events through geosynchronous orbit. Journal of Geophysical Research, 1999, 104, 10265-10273.	3.3	13
40	Direct determination of IMF BY-related cusp current systems, using SuperDARN radar and multiple ground magnetometer data: A link to theory on cusp current origin. Journal of Geophysical Research, 1999, 104, 17187-17198.	3.3	9
41	A multipoint determination of the propagation velocity of a sudden commencement across the polar ionosphere. Journal of Geophysical Research, 1999, 104, 22433-22451.	3.3	35
42	Mapping travelling convection vortex events with respect to energetic particle boundaries. Annales Geophysicae, 1998, 16, 891-899.	1.6	21
43	Global analysis of three traveling vortex events during the November 1993 storm using the assimilative mapping of ionospheric electrodynamics technique. Journal of Geophysical Research, 1998, 103, 26349-26358.	3.3	21
44	Global energy deposition during the January 1997 magnetic cloud event. Journal of Geophysical Research, 1998, 103, 11685-11694.	3.3	159
45	Incoherent scatter radar observations of the cusp acceleration region and cusp field-aligned currents. Journal of Geophysical Research, 1998, 103, 26721-26730.	3.3	11
46	Global perspective of ionospheric traveling convection vortices: Case studies of two Geospace Environmental Modeling events. Journal of Geophysical Research, 1997, 102, 11597-11610.	3.3	29
47	Observations of an enhanced convection flow channel for northward turning IMF. Geophysical Research Letters, 1997, 24, 3137-3140.	4.0	5
48	Auroral and geomagnetic events at cusp/mantle latitudes in the prenoon sector during positive IMF Byconditions: Signatures of pulsed magnetopause reconnection. Journal of Geophysical Research, 1997, 102, 7191-7205.	3.3	40
49	Coordinated observations demonstrating external substorm triggering. Journal of Geophysical Research, 1997, 102, 27039-27051.	3.3	156
50	Semiannual variation of geomagnetic activity in the Greenland magnetometer chain. Physics and Chemistry of the Earth, 1997, 22, 685-689.	0.3	3
51	Ground observations of dayside small-scale dynamic features. Advances in Space Research, 1997, 20, 863-872.	2.6	0
52	Dynamical auroral morphology in relation to ionospheric plasma convection and geomagnetic activity: Signatures of magnetopause X line dynamics and flux transfer events. Journal of Geophysical Research, 1996, 101, 13275-13292.	3.3	28
53	Multi-instrument ground-based observations of a travelling convection vortices event. Annales Geophysicae, 1996, 14, 162-181.	1.6	70
54	Travelling convection vortices in the ionosphere map to the central plasma sheet. Annales Geophysicae, 1996, 14, 1025-1031.	1.6	11

#	Article	IF	Citations
55	Travelling convection vortices in the ionosphere map to the central plasma sheet. Annales Geophysicae, 1996, 14, 1025.	1.6	23
56	Enhancement of heavy quarkonium production in hadron collisions at finite temperature. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1993, 60, 541-555.	1.5	0