

Christine Gabrielse

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,112
citations

516561

16
h-index

477173

29
g-index

33
all docs

33
docs citations

33
times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical characteristics of particle injections throughout the equatorial magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2512-2535.	0.8	180
2	The effects of transient, localized electric fields on equatorial electron acceleration and transport toward the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	124
3	Average thermodynamic and spectral properties of plasma in and around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4369-4383.	0.8	119
4	The role of localized inductive electric fields in electron injections around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9560-9585.	0.8	95
5	Electron fluxes and pitchâ€angle distributions at dipolarization fronts: THEMIS multipoint observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 744-755.	0.8	80
6	Magnetotail dipolarization fronts and particle acceleration: A review. <i>Science China Earth Sciences</i> , 2020, 63, 235-256.	2.3	79
7	Dipolarizing flux bundles in the cisâ€geosynchronous magnetosphere: Relationship between electric fields and energetic particle injections. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1362-1376.	0.8	66
8	Extensive electron transport and energization via multiple, localized dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5059-5076.	0.8	56
9	Multipoint Observations of Energetic Particle Injections and Substorm Activity During a Conjunction Between Magnetospheric Multiscale (MMS) and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,481.	0.8	42
10	Utilizing the Heliophysics/Geospace System Observatory to Understand Particle Injections: Their Scale Sizes and Propagation Directions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5584-5609.	0.8	37
11	Superposed epoch analysis of magnetotail flux transport during substorms observed by THEMIS. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	23
12	Flow Shears at the Poleward Boundary of Omega Bands Observed During Conjunctions of Swarm and THEMIS ASI. <i>Geophysical Research Letters</i> , 2018, 45, 1218-1227.	1.5	23
13	Timing and localization of nearâ€Earth tail and ionospheric signatures during a substorm onset. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	22
14	Statistical Properties of Mesoscale Plasma Flows in the Nightside Highâ€Latitude Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6798-6820.	0.8	20
15	The Magnetic Electron Ion Spectrometer: A Review of On-Orbit Sensor Performance, Data, Operations, and Science. <i>Space Science Reviews</i> , 2021, 217, 80.	3.7	18
16	Propagation characteristics of plasma sheet oscillations during a small storm. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	16
17	Extreme Magnetosphereâ€Ionosphereâ€Thermosphere Responses to the 5 April 2010 Supersubstorm. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027654.	0.8	14
18	Impact of Flow Bursts in the Auroral Zone on the Ionosphere and Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10459-10467.	0.8	12

#	ARTICLE	IF	CITATIONS
19	Can Earth's Magnetotail Plasma Sheet Produce a Source of Relativistic Electrons for the Radiation Belts?. Geophysical Research Letters, 2021, 48, e2021GL095495.	1.5	11
20	Estimating Precipitating Energy Flux, Average Energy, and Hall Auroral Conductance From THEMIS All-Sky-Imagers With Focus on Mesoscales. Frontiers in Physics, 2021, 9, .	1.0	10
21	Storm Time Mesoscale Plasma Flows in the Nightside High-Latitude Ionosphere: A Statistical Survey of Characteristics. Geophysical Research Letters, 2019, 46, 4079-4088.	1.5	8
22	Magnetotail Dipolarizations and Ion Flux Variations During the Main Phase of Magnetic Storms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028470.	0.8	8
23	Thin Current Sheet Behind the Dipolarization Front. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029518.	0.8	8
24	Space-Ground Observations of Dynamics of Substorm Onset Beads. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	8
25	Drift-Dispersed Flux Dropouts of Energetic Electrons Observed in Earth's Middle Magnetosphere by the Magnetospheric Multiscale (MMS) Mission. Geophysical Research Letters, 2019, 46, 3069-3078.	1.5	7
26	Sensitivity of Upper Atmosphere to Different Characteristics of Flow Bursts in the Auroral Zone. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029253.	0.8	7
27	Statistical Study of Whistler-Mode Waves and Expected Pitch Angle Diffusion Rates During Dispersionless Electron Injections. Geophysical Research Letters, 2021, 48, e2021GL094085.	1.5	7
28	The magnitude of IMF influences the magnetotail response to solar wind forcing. Journal of Geophysical Research: Space Physics, 0, , .	0.8	3
29	Mesoscale Features in the Global Geospace Response to the March 12, 2012 Storm. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	3
30	Energetic particle dynamics, precipitation, and conductivity. , 2022, , 217-300.		0