

Sarah K Vines

List of Publications by Year in descending order

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48
papers

716
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516215

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52
docs citations

52
times ranked

1089
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Latitude Electrodynamic Specified in SAMI3 Using AMPERE Field-Aligned Currents. Space Weather, 2022, 20, .	1.3	4
2	Investigation of geomagnetic reference models based on the Iridium constellation. Earth, Planets and Space, 2022, 74, .	0.9	4
3	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO. Geophysical Research Letters, 2021, 48, e2020GL091376.	1.5	16
4	Dawn-Dusk Asymmetry in Energetic (>20 keV) Particles Adjacent to Saturn's Magnetopause. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028264.	0.8	1
5	Determining EMIC Wave Vector Properties Through Multi-Point Measurements: The Wave Curl Analysis. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028922.	0.8	10
6	Kinetic Interaction of Cold and Hot Protons With an Oblique EMIC Wave Near the Dayside Reconnecting Magnetopause. Geophysical Research Letters, 2021, 48, e2021GL092376.	1.5	6
7	Determination of Auroral Electrodynamic Parameters From AMPERE Field-Aligned Current Measurements. Space Weather, 2021, 19, e2020SW002677.	1.3	14
8	Energetic ions in the Venusian system: Insights from the first Solar Orbiter flyby. Astronomy and Astrophysics, 2021, 656, A7.	2.1	9
9	A living catalog of stream interaction regions in the Parker Solar Probe era. Astronomy and Astrophysics, 2021, 650, A25.	2.1	17
10	Iridium Communications Satellite Constellation Data for Study of Earth's Magnetic Field. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009515.	1.0	9
11	Impacts of Ionospheric Ions on Magnetic Reconnection and Earth's Magnetosphere Dynamics. Reviews of Geophysics, 2021, 59, e2020RG000707.	9.0	26
12	TRICE 2 Observations of Low-Energy Magnetospheric Ions Within the Cusp. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029382.	0.8	4
13	An Examination of Magnetosphere-Ionosphere Influences During a SAPS Event. Geophysical Research Letters, 2021, 48, e2021GL095751.	1.5	4
14	Application of Cold and Hot Plasma Composition Measurements to Investigate Impacts on Dusk-Side Electromagnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	5
15	Quantification of Cold-Ion Beams in a Magnetic Reconnection Jet. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	4
16	Magnetohydrodynamic With Embedded Particle-in-Cell Simulation of the Geospace Environment Modeling Dayside Kinetic Processes Challenge Event. Earth and Space Science, 2020, 7, e2020EA001331.	1.1	10
17	A Deep Learning-Based Approach for Modeling the Dynamics of AMPERE Birkeland Currents. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027908.	0.8	7
18	The 18 November 2015 Magnetopause Crossing: The GEM Dayside Kinetic Challenge Event Observed by MMS/HPCA. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027617.	0.8	7

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19	Magnetopause Reconnection as Influenced by the Dipole Tilt Under Southward IMF Conditions: Hybrid Simulation and MMS Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027795.	0.8	18
20	Chargeâ€Stateâ€Dependent Energization of Suprathermal Ions During Substorm Injections Observed by MMS in the Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028144.	0.8	8
21	Characteristics of Minor Ions and Electrons in Flux Transfer Events Observed by the Magnetospheric Multiscale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027778.	0.8	8
22	Statistical Relations Between Auroral Electrical Conductances and Fieldâ€Aligned Currents at High Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028008.	0.8	16
23	Predictive Capabilities and Limitations of Stream Interaction Region Observations at Different Solar Longitudes. <i>Space Weather</i> , 2020, 18, e2019SW002437.	1.3	12
24	Investigation of Massâ€Chargeâ€Dependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5539-5567.	0.8	15
25	Energetic Oxygen and Sulfur Charge States in the Outer Jovian Magnetosphere: Insights From the Cassini Jupiter Flyby. <i>Geophysical Research Letters</i> , 2019, 46, 11709-11717.	1.5	12
26	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. <i>Geophysical Research Letters</i> , 2019, 46, 11622-11631.	1.5	8
27	MMS Observations of Multiscale Hall Physics in the Magnetotail. <i>Geophysical Research Letters</i> , 2019, 46, 10230-10239.	1.5	5
28	Highâ€Resolution Measurements of the Crossâ€Shock Potential, Ion Reflection, and Electron Heating at an Interplanetary Shock by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3961-3978.	0.8	36
29	Mass Loading the Earth's Dayside Magnetopause Boundary Layer and Its Effect on Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2019, 46, 6204-6213.	1.5	21
30	EMIC Waves in the Outer Magnetosphere: Observations of an Offâ€Equator Source Region. <i>Geophysical Research Letters</i> , 2019, 46, 5707-5716.	1.5	29
31	Highâ€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.	0.8	14
32	Determining <i>L</i> â€ <i>M</i> â€ <i>N</i> Current Sheet Coordinates at the Magnetopause From Magnetospheric Multiscale Data. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2274-2295.	0.8	38
33	MMS, Van Allen Probes, GOES 13, and Groundâ€Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8331-8357.	0.8	30
34	Observational Evidence of Largeâ€Scale Multiple Reconnection at the Earth's Dayside Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8407-8421.	0.8	21
35	Internal Versus External Sources of Plasma at Saturn: Overview From Magnetospheric Imaging Investigation/Chargeâ€Energyâ€Mass Spectrometer Data. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4712-4727.	0.8	15
36	Temporal and Spatial Development of Global Birkeland Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4785-4808.	0.8	22

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37	Large-scale characteristics of reconnection diffusion regions and associated magnetopause crossings observed by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5466-5486.	0.8	48
38	Occurrence frequency and location of magnetic islands at the dayside magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4138-4155.	0.8	19
39	Magnetospheric Ion Evolution Across the Low-Latitude Boundary Layer Separatrix. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,247.	0.8	18
40	Magnetospheric ion influence at the dayside magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8617-8631.	0.8	32
41	Storm time empirical model of O^{+} and O^{6+} distributions in the magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8353-8374.	0.8	18
42	Next-generation solid-state detectors for charged particle spectroscopy. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6075-6091.	0.8	11
43	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.	1.5	21
44	Stable reconnection at the dusk flank magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 9374-9382.	1.5	7
45	Magnetic latitude dependence of oxygen charge states in the global magnetosphere: Insights into solar wind-originating ion injection. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9888-9912.	0.8	16
46	Ion acceleration dependence on magnetic shear angle in dayside magnetopause reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7255-7269.	0.8	21
47	The early Martian atmosphere: Investigating the role of the dust cycle in the possible maintenance of two stable climate states. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1388-1396.	1.5	16
48	Classification of Cassini's Orbit Regions as Magnetosphere, Magnetosheath, and Solar Wind via Machine Learning. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	3