

Christina Lee

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,595
citations

279487

23
h-index

288905

40
g-index

54
all docs

54
docs citations

54
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	6.0	166
2	Discovery of diffuse aurora on Mars. <i>Science</i> , 2015, 350, aad0313.	6.0	98
3	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , 2015, 350, aad0459.	6.0	90
4	Coronal Field Opens at Lower Height During the Solar Cycles 22 and 23 Minimum Periods: IMF Comparison Suggests the Source Surface Should Be Lowered. <i>Solar Physics</i> , 2011, 269, 367-388.	1.0	87
5	The MAVEN Solar Energetic Particle Investigation. <i>Space Science Reviews</i> , 2015, 195, 153-172.	3.7	79
6	MAVEN observations of the solar cycle 24 space weather conditions at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2768-2794.	0.8	78
7	Observations and Impacts of the 10 September 2017 Solar Events at Mars: An Overview and Synthesis of the Initial Results. <i>Geophysical Research Letters</i> , 2018, 45, 8871-8885.	1.5	77
8	LOW-LATITUDE CORONAL HOLES AT THE MINIMUM OF THE 23rd SOLAR CYCLE. <i>Astrophysical Journal</i> , 2010, 712, 813-818.	1.6	70
9	The Solar Wind at 1 AU During the Declining Phase of Solar Cycle 23: Comparison of 3D Numerical Model Results with Observations. <i>Solar Physics</i> , 2009, 254, 155-183.	1.0	67
10	Solar Wind Sources in the Late Declining Phase of Cycle 23: Effects of the Weak Solar Polar Field on High-Speed Streams. <i>Solar Physics</i> , 2009, 256, 285-305.	1.0	65
11	Ensemble Modeling of CME Propagation. <i>Solar Physics</i> , 2013, 285, 349-368.	1.0	54
12	Effects of the Weak Polar Fields of Solar Cycle 23: Investigation Using OMNI for the STEREO Mission Period. <i>Solar Physics</i> , 2009, 256, 345-363.	1.0	51
13	Global Aurora on Mars During the September 2017 Space Weather Event. <i>Geophysical Research Letters</i> , 2018, 45, 7391-7398.	1.5	44
14	Martian magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6185-6209.	0.8	40
15	The Morphology of the Solar Wind Magnetic Field Draping on the Dayside of Mars and Its Variability. <i>Geophysical Research Letters</i> , 2018, 45, 3356-3365.	1.5	39
16	Investigation of Martian Magnetic Topology Response to 2017 September ICME. <i>Geophysical Research Letters</i> , 2018, 45, 7337-7346.	1.5	39
17	Seasonal Variability of Neutral Escape from Mars as Derived From MAVEN Pickup Ion Observations. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1192-1202.	1.5	38
18	Modeling solar energetic particle events using ENLIL heliosphere simulations. <i>Space Weather</i> , 2017, 15, 934-954.	1.3	35

#	ARTICLE	IF	CITATIONS
19	Shock Connectivity and the Late Cycle 24 Solar Energetic Particle Events in July and September 2017. <i>Space Weather</i> , 2018, 16, 557-568.	1.3	34
20	Measurements of Forbush decreases at Mars: both by MSL on ground and by MAVEN in orbit. <i>Astronomy and Astrophysics</i> , 2018, 611, A79.	2.1	29
21	The Impact and Solar Wind Proxy of the 2017 September ICME Event at Mars. <i>Geophysical Research Letters</i> , 2018, 45, 7248-7256.	1.5	29
22	Significant Space Weather Impact on the Escape of Hydrogen From Mars. <i>Geophysical Research Letters</i> , 2018, 45, 8844-8852.	1.5	29
23	Interplanetary coronal mass ejections in the near-Earth solar wind during the minimum periods following solar cycles 22 and 23. <i>Annales Geophysicae</i> , 2011, 29, 1455-1467.	0.6	25
24	Responses of the Martian Magnetosphere to an Interplanetary Coronal Mass Ejection: MAVEN Observations and LatHys Results. <i>Geophysical Research Letters</i> , 2018, 45, 7891-7900.	1.5	19
25	Mars Upper Atmospheric Responses to the 10 September 2017 Solar Flare: A Global, Time-Dependent Simulation. <i>Geophysical Research Letters</i> , 2019, 46, 9334-9343.	1.5	19
26	Predicting the Magnetic Fields of a Stealth CME Detected by Parker Solar Probe at 0.5 au. <i>Astrophysical Journal</i> , 2021, 920, 65.	1.6	17
27	Shadowing and anisotropy of solar energetic ions at Mars measured by MAVEN during the March 2015 solar storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2818-2829.	0.8	16
28	CMEs and SEPs During November-December 2020: A Challenge for Real-Time Space Weather Forecasting. <i>Space Weather</i> , 2022, 20, .	1.3	16
29	Ensemble Modeling of Successive Halo CMEs: A Case Study. <i>Solar Physics</i> , 2015, 290, 1207-1229.	1.0	14
30	Dynamic response of the Martian ionosphere to an interplanetary shock: Mars Express and MAVEN observations. <i>Geophysical Research Letters</i> , 2017, 44, 9116-9123.	1.5	14
31	The September 2017 SEP Event in Context With the Current Solar Cycle: Mars Express ASPERA-3/IMA and MAVEN/SEP Observations. <i>Geophysical Research Letters</i> , 2018, 45, 7306-7311.	1.5	14
32	Organization of Energetic Particles by the Solar Wind Structure During the Declining to Minimum Phase of Solar Cycle 23. <i>Solar Physics</i> , 2010, 263, 239-261.	1.0	12
33	Phobos Surface Sputtering as Inferred From MAVEN Ion Observations. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3385-3401.	1.5	12
34	Energetic Particle Showers Over Mars from Comet C/2013 A1 Siding Spring. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8778-8796.	0.8	11
35	Continuous solar wind forcing knowledge: Providing continuous conditions at Mars with the WSA-ENLIL-Cone model. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6207-6222.	0.8	10
36	A Monte Carlo model of crustal field influences on solar energetic particle precipitation into the Martian atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5653-5669.	0.8	10

#	ARTICLE	IF	CITATIONS
37	The Penetration of Draped Magnetic Field Into the Martian Upper Ionosphere and Correlations With Upstream Solar Wind Dynamic Pressure. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3021-3035.	0.8	8
38	MAVEN SEP Observations of Scorpius X-ray Rays at Mars: A Midatmosphere Occultation Analysis Technique. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088927.	1.5	8
39	Discrete Aurora at Mars: Dependence on Upstream Solar Wind Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	7
40	Radial evolution of the three-dimensional structure in CIRs between Earth and Ulysses. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4776-4792.	0.8	6
41	Test Particle Model Predictions of SEP Electron Transport and Precipitation at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029132.	0.8	4
42	Recurrent Solar Energetic Particle Flux Enhancements Observed near Earth and Mars. <i>Astrophysical Journal</i> , 2020, 902, 13.	1.6	4
43	Interplanetary conditions: lessons from this minimum. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 168-178.	0.0	3
44	The Effects of Solar Wind Structure on Nanodust Dynamics in the Inner Heliosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028463.	0.8	3
45	Statistical Similarities Between WSA-ENLIL+Cone Model and MAVEN in Situ Observations From November 2014 to March 2016. <i>Space Weather</i> , 2018, 16, 157-171.	1.3	2
46	A Generalized Magnetospheric Disturbance Index: Initial Application to Mars Using MAVEN Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029479.	0.8	2
47	Ensemble modeling of successive halo CMEs observed during 2-4 Aug 2011. , 2013, , .		1
48	Space Weather Storm Responses at Mars: Lessons from A Weakly Magnetized Terrestrial Planet. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 211-217.	0.0	0
49	The Effects of Solar Cycle Variability on Nanodust Dynamics in the Inner Heliosphere: Predictions for Future STEREO A/WAVES Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	0