

Marissa F Vogt

List of Publications by Year in descending order

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62
papers

1,671
citations

236833

25
h-index

302012

39
g-index

75
all docs

75
docs citations

75
times ranked

1193
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability of Jupiter's Main Auroral Emission and Satellite Footprints Observed With HST During the Galileo Era. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
2	Electron Densities in the Ionosphere of Mars: Comparison of MAVEN/ROSE and MAVEN/LPW Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
3	Morphology of Jupiter's Polar Auroral Bright Spot Emissions via Juno's UVS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028586.	0.8	5
4	Variation of Jupiter's Aurora Observed by Hisaki/EXCEED: 4. Quasi-Periodic Variation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028575.	0.8	3
5	Are Dawn Storms Jupiter's Auroral Substorms?. <i>AGU Advances</i> , 2021, 2, e2020AV000275.	2.3	25
6	Detection and Characterization of Circular Expanding UV Emissions Observed in Jupiter's Polar Auroral Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028971.	0.8	4
7	Searching for Saturn's X-rays during a rare Jupiter Magnetotail crossing using <i>Chandra</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 298-305.	1.6	10
8	Jupiter's Double-Arc Aurora as a Signature of Magnetic Reconnection: Simultaneous Observations From HST and Juno. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093964.	1.5	3
9	Characteristics of Jupiter's X-Ray Auroral Hot Spot Emissions Using Chandra. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029243.	0.8	8
10	Local Time Dependence of Jupiter's Polar Auroral Emissions Observed by Juno UVS. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006954.	1.5	9
11	Where Is the Io Plasma Torus? A Comparison of Observations by Juno Radio Occultations to Predictions From Jovian Magnetic Field Models. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027633.	0.8	9
12	Reconnection- and Dipolarization-Driven Auroral Dawn Storms and Injections. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027663.	0.8	27
13	Juno Observations of Heavy Ion Energization During Transient Dipolarizations in Jupiter Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027933.	0.8	10
14	Magnetotail Reconnection at Jupiter: A Survey of Juno Magnetic Field Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027486.	0.8	21
15	Constantly forming sporadic E-like layers and rifts in the Martian ionosphere and their implications for Earth. <i>Nature Astronomy</i> , 2020, 4, 486-491.	4.2	14
16	Chandra Observations of Jupiter's X-Ray Auroral Emission During Juno Apojove 2017. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006262.	1.5	16
17	The MAVEN Radio Occultation Science Experiment (ROSE). <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	26
18	Recovery and Validation of Mars Ionospheric Electron Density Profiles from Viking Orbiter Radio Occultation Observations. <i>Planetary Science Journal</i> , 2020, 1, 14.	1.5	3

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19	Recovery and Validation of Venus Ionospheric Electron Density Profiles from Pioneer Venus Orbiter Radio Occultation Observations. <i>Planetary Science Journal</i> , 2020, 1, 78.	1.5	2
20	Recovery and Validation of Venus Neutral Atmospheric Profiles from Pioneer Venus Orbiter Radio Occultation Observations. <i>Planetary Science Journal</i> , 2020, 1, 79.	1.5	1
21	Acceleration of Ions in Jovian Plasmoids: Does Turbulence Play a Role?. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5056-5069.	0.8	7
22	Solar Wind Interaction With Jupiter's Magnetosphere: A Statistical Study of Galileo In Situ Data and Modeled Upstream Solar Wind Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10170-10199.	0.8	19
23	Mars's Dayside Upper Ionospheric Composition Is Affected by Magnetic Field Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3100-3109.	0.8	26
24	A brightening of Jupiter's auroral 7.8- μ m CH ₄ emission during a solar-wind compression. <i>Nature Astronomy</i> , 2019, 3, 607-613.	4.2	17
25	Exoplanet transits with next-generation radio telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 648-658.	1.6	10
26	First Ionospheric Results From the MAVEN Radio Occultation Science Experiment (ROSE). <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4171-4180.	0.8	35
27	MAVEN and the total electron content of the Martian ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3526-3537.	0.8	12
28	Occultations of Astrophysical Radio Sources as Probes of Planetary Environments: A Case Study of Jupiter and Possible Applications to Exoplanets. <i>Astrophysical Journal</i> , 2017, 836, 114.	1.6	10
29	Morphology of the UV aurorae Jupiter during Juno's first perijove observations. <i>Geophysical Research Letters</i> , 2017, 44, 4463-4471.	1.5	54
30	Variability of Jupiter's IR H ₃ aurorae during Juno approach. <i>Geophysical Research Letters</i> , 2017, 44, 4513-4522.	1.5	14
31	MAVEN observations of dayside peak electron densities in the ionosphere of Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 891-906.	0.8	33
32	The independent pulsations of Jupiter's northern and southern X-ray auroras. <i>Nature Astronomy</i> , 2017, 1, 758-764.	4.2	49
33	MAVEN Observations of the Effects of Crustal Magnetic Fields on Electron Density and Temperature in the Martian Dayside Ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 10812-10821.	1.5	42
34	Sources of Ionospheric Variability at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9670-9684.	0.8	40
35	Long-Term Variability of Jupiter's Magnetodisk and Implications for the Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,090.	0.8	15
36	The impact of an ICME on the Jovian X-ray aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2274-2307.	0.8	51

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37	Comparative aeronomy: Molecular ionospheres at Earth and Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,269-10,288.	0.8	7
38	Electron densities in the ionosphere of Mars: A comparison of MARSIS and radio occultation measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,241.	0.8	6
39	Jupiter's X-ray and EUV auroras monitored by Chandra, XMM-Newton, and Hisaki satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2308-2320.	0.8	34
40	Auroral evidence of radial transport at Jupiter during January 2014. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9972-9984.	0.8	27
41	Magnetic Reconnection and Associated Transient Phenomena Within the Magnetospheres of Jupiter and Saturn. <i>Space Sciences Series of ISSI</i> , 2016, , 181-227.	0.0	1
42	Changes in the thermosphere and ionosphere of Mars from Viking to MAVEN. <i>Geophysical Research Letters</i> , 2015, 42, 9071-9079.	1.5	20
43	Ionopause-like density gradients in the Martian ionosphere: A first look with MAVEN. <i>Geophysical Research Letters</i> , 2015, 42, 8885-8893.	1.5	42
44	Comparison of model predictions for the composition of the ionosphere of Mars to MAVEN NGIMS data. <i>Geophysical Research Letters</i> , 2015, 42, 8966-8976.	1.5	25
45	MAVEN and the Mars Initial Reference Ionosphere model. <i>Geophysical Research Letters</i> , 2015, 42, 9080-9086.	1.5	15
46	Magnetosphere-ionosphere mapping at Jupiter: Quantifying the effects of using different internal field models. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2584-2599.	0.8	35
47	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	6.0	166
48	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , 2015, 350, aad0459.	6.0	90
49	Magnetic Reconnection and Associated Transient Phenomena Within the Magnetospheres of Jupiter and Saturn. <i>Space Science Reviews</i> , 2015, 187, 181-227.	3.7	16
50	Local time variations in Jupiter's magnetosphere-ionosphere coupling system. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4740-4751.	0.8	32
51	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. <i>Space Science Reviews</i> , 2014, 182, 85-154.	3.7	41
52	Structure and statistical properties of plasmoids in Jupiter's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 821-843.	0.8	54
53	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5465-5494.	0.8	69
54	Simulating the effect of centrifugal forces in Jupiter's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1925-1950.	0.8	17

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55	Comparative magnetotail flapping: an overview of selected events at Earth, Jupiter and Saturn. <i>Annales Geophysicae</i> , 2013, 31, 817-833.	0.6	32
56	Quasi-periodic polar flares at Jupiter: A signature of pulsed dayside reconnections?. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	53
57	Improved mapping of Jupiter's auroral features to magnetospheric sources. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	98
58	Nightside reconnection at Jupiter: Auroral and magnetic field observations from 26 July 1998. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	43
59	Concept for a new frontiers mission to Ganymede: A Planetary Science Summer School study. , 2011, , .		1
60	Reconnection and flows in the Jovian magnetotail as inferred from magnetometer observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	93
61	Space weather drivers in the ACE era. <i>Space Weather</i> , 2006, 4, n/a-n/a.	1.3	4
62	Relating Jupiter's Auroral Features to Magnetospheric Sources. <i>Geophysical Monograph Series</i> , 0, , 421-430.	0.1	5