Marissa F Vogt

List of Publications by Year
in descending order

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	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	6.0	166
2	Improved mapping of Jupiter's auroral features to magnetospheric sources. Journal of Geophysical Research, 2011, 116, .	3.3	98
3	Reconnection and flows in the Jovian magnetotail as inferred from magnetometer observations. Journal of Geophysical Research, 2010, 115, .	3.3	93
4	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	6.0	90
5	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. Journal of Geophysical Research: Space Physics, 2014, 119, 5465-5494.	0.8	69
6	Structure and statistical properties of plasmoids in Jupiter's magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 821-843.	0.8	54
7	Morphology of the UV aurorae Jupiter during Juno's first perijove observations. Geophysical Research Letters, 2017, 44, 4463-4471.	1.5	54
8	Quasi-periodic polar flares at Jupiter: A signature of pulsed dayside reconnections?. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	53
9	The impact of an ICME on the Jovian Xâ€ray aurora. Journal of Geophysical Research: Space Physics, 2016, 121, 2274-2307.	0.8	51
10	The independent pulsations of Jupiterâ€™s northern and southern X-ray auroras. Nature Astronomy, 2017, 1, 758-764.	4.2	49
11	Nightside reconnection at Jupiter: Auroral and magnetic field observations from 26 July 1998. Journal of Geophysical Research, 2011, 116, .	3.3	43
12	Ionopauseâ€like density gradients in the Martian ionosphere: A first look with MAVEN. Geophysical Research Letters, 2015, 42, 8885-8893.	1.5	42
13	MAVEN Observations of the Effects of Crustal Magnetic Fields on Electron Density and Temperature in the Martian Dayside Ionosphere. Geophysical Research Letters, 2017, 44, 10812-10821.	1.5	42
14	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. Space Science Reviews, 2014, 182, 85-154.	3.7	41
15	Sources of Ionospheric Variability at Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 9670-9684.	0.8	40
16	Magnetosphereâ€ionosphere mapping at Jupiter: Quantifying the effects of using different internal field models. Journal of Geophysical Research: Space Physics, 2015, 120, 2584-2599.	0.8	35
17	First Ionospheric Results From the MAVEN Radio Occultation Science Experiment (ROSE). Journal of Geophysical Research: Space Physics, 2018, 123, 4171-4180.	0.8	35
18	Jupiter's Xâ€ray and EUV auroras monitored by Chandra, XMMâ€Newton, and Hisaki satellite. Journal of Geophysical Research: Space Physics, 2016, 121, 2308-2320.	0.8	34

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19	MAVEN observations of dayside peak electron densities in the ionosphere of Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 891-906.	0.8	33
20	Comparative magnetotail flapping: an overview of selected events at Earth, Jupiter and Saturn. Annales Geophysicae, 2013, 31, 817-833.	0.6	32
21	Local time variations in Jupiter's magnetosphereâ€ionosphere coupling system. Journal of Geophysical Research: Space Physics, 2014, 119, 4740-4751.	0.8	32
22	Auroral evidence of radial transport at Jupiter during January 2014. Journal of Geophysical Research: Space Physics, 2016, 121, 9972-9984.	0.8	27
23	Reconnectionâ€and Dipolarizationâ€Driven Auroral Dawn Storms and Injections. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027663.	0.8	27
24	Mars's Dayside Upper Ionospheric Composition Is Affected by Magnetic Field Conditions. Journal of Geophysical Research: Space Physics, 2019, 124, 3100-3109.	0.8	26
25	The MAVEN Radio Occultation Science Experiment (ROSE). Space Science Reviews, 2020, 216, 1.	3.7	26
26	Comparison of model predictions for the composition of the ionosphere of Mars to MAVEN NGIMS data. Geophysical Research Letters, 2015, 42, 8966-8976.	1.5	25
27	Are Dawn Storms Jupiter's Auroral Substorms?. AGU Advances, 2021, 2, e2020AV000275.	2.3	25
28	Magnetotail Reconnection at Jupiter: A Survey of Juno Magnetic Field Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027486.	0.8	21
29	Changes in the thermosphere and ionosphere of Mars from Viking to MAVEN. Geophysical Research Letters, 2015, 42, 9071-9079.	1.5	20
30	Solar Wind Interaction With Jupiter's Magnetosphere: A Statistical Study of Galileo In Situ Data and Modeled Upstream Solar Wind Conditions. Journal of Geophysical Research: Space Physics, 2019, 124, 10170-10199.	0.8	19
31	Simulating the effect of centrifugal forces in Jupiter's magnetosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 1925-1950.	0.8	17
32	A brightening of Jupiterâ€™s auroral 7.8-Î¼m CH4 emission during a solar-wind compression. Nature Astronomy, 2019, 3, 607-613.	4.2	17
33	Magnetic Reconnection and Associated Transient Phenomena Within the Magnetospheres of Jupiter and Saturn. Space Science Reviews, 2015, 187, 181-227.	3.7	16
34	Chandra Observations of Jupiter's Xâ€ray Auroral Emission During Juno Apojove 2017. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006262.	1.5	16
35	MAVEN and the Mars Initial Reference Ionosphere model. Geophysical Research Letters, 2015, 42, 9080-9086.	1.5	15
36	Longâ€Term Variability of Jupiter's Magnetodisk and Implications for the Aurora. Journal of Geophysical Research: Space Physics, 2017, 122, 12,090.	0.8	15

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37	Variability of Jupiter's IR H₃⁺ aurorae during Juno approach. Geophysical Research Letters, 2017, 44, 4513-4522.	1.5	14
38	Constantly forming sporadic E-like layers and rifts in the Martian ionosphere and their implications for Earth. Nature Astronomy, 2020, 4, 486-491.	4.2	14
39	MAVEN and the total electron content of the Martian ionosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 3526-3537.	0.8	12
40	Occultations of Astrophysical Radio Sources as Probes of Planetary Environments: A Case Study of Jupiter and Possible Applications to Exoplanets. Astrophysical Journal, 2017, 836, 114.	1.6	10
41	Exoplanet transits with next-generation radio telescopes. Monthly Notices of the Royal Astronomical Society, 2019, 484, 648-658.	1.6	10
42	Juno Observations of Heavy Ion Energization During Transient Dipolarizations in Jupiter Magnetotail. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027933.	0.8	10
43	Searching for Saturnâ€™s X-rays during a rare Jupiter Magnetotail crossing using Chandra. Monthly Notices of the Royal Astronomical Society, 2021, 506, 298-305.	1.6	10
44	Where Is the Io Plasma Torus? A Comparison of Observations by Juno Radio Occultations to Predictions From Jovian Magnetic Field Models. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027633.	0.8	9
45	Local Time Dependence of Jupiter's Polar Auroral Emissions Observed by Juno UVS. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006954.	1.5	9
46	Characteristics of Jupiter's Xâ€Ray Auroral Hot Spot Emissions Using Chandra. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029243.	0.8	8
47	Comparative aeronomy: Molecular ionospheres at Earth and Mars. Journal of Geophysical Research: Space Physics, 2016, 121, 10,269-10,288.	0.8	7
48	Acceleration of Ions in Jovian Plasmoids: Does Turbulence Play a Role?. Journal of Geophysical Research: Space Physics, 2019, 124, 5056-5069.	0.8	7
49	Electron densities in the ionosphere of Mars: A comparison of MARSIS and radio occultation measurements. Journal of Geophysical Research: Space Physics, 2016, 121, 10,241.	0.8	6
50	Relating Jupiter's Auroral Features to Magnetospheric Sources. Geophysical Monograph Series, 0, , 421-430.	0.1	5
51	Morphology of Jupiter's Polar Auroral Bright Spot Emissions via Junoâ€UVS Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028586.	0.8	5
52	Space weather drivers in the ACE era. Space Weather, 2006, 4, n/a-n/a.	1.3	4
53	Detection and Characterization of Circular Expanding UVâ€Emissions Observed in Jupiter's Polar Auroral Regions. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028971.	0.8	4
54	Variation of Jupiter's Aurora Observed by Hisaki/EXCEED: 4. Quasiâ€Periodic Variation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028575.	0.8	3

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55	Jupiter's Doubleâ€Arc Aurora as a Signature of Magnetic Reconnection: Simultaneous Observations From HST and Juno. Geophysical Research Letters, 2021, 48, e2021GL093964.	1.5	3
56	Recovery and Validation of Mars Ionospheric Electron Density Profiles from Viking Orbiter Radio Occultation Observations. Planetary Science Journal, 2020, 1, 14.	1.5	3
57	Recovery and Validation of Venus Ionospheric Electron Density Profiles from Pioneer Venus Orbiter Radio Occultation Observations. Planetary Science Journal, 2020, 1, 78.	1.5	2
58	Variability of Jupiter's Main Auroral Emission and Satellite Footprints Observed With HST During the Galileo Era. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
59	Electron Densities in the Ionosphere of Mars: Comparison of MAVEN/ROSE and MAVEN/LPW Measurements. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
60	Concept for a new frontiers mission to Ganymede: A Planetary Science Summer School study. , 2011, , .		1
61	Magnetic Reconnection and Associated Transient Phenomena Within the Magnetospheres of Jupiter and Saturn. Space Sciences Series of ISSI, 2016, , 181-227.	0.0	1
62	Recovery and Validation of Venus Neutral Atmospheric Profiles from Pioneer Venus Orbiter Radio Occultation Observations. Planetary Science Journal, 2020, 1, 79.	1.5	1