David A Brain

List of Publications by Year
in descending order

214 papers	9,029 citations	31976 53 h-index	60623 81 g-index
227 all docs	227 docs citations	227 times ranked	2478 citing authors

#	Article	IF	Citations
1	The Mars system revealed by the Martian Moons eXploration mission. Earth, Planets and Space, 2022, 74, .	2.5	11
2	A Comparative Study of Magnetic Flux Ropes in the Nightside Induced Magnetosphere of Mars and Venus. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	3
3	The Emirates Mars Mission. Space Science Reviews, 2022, 218, 4.	8.1	29
4	Energetic Neutral Atoms near Mars: Predicted Distributions Based on MAVEN Measurements. Astrophysical Journal, 2022, 927, 11.	4.5	2
5	Empirically Determined Auroral Electron Events at Marsâ€"MAVEN Observations. Geophysical Research Letters, 2022, 49, .	4.0	8
6	A Statistical Investigation of Factors Influencing the Magnetotail Twist at Mars. Geophysical Research Letters, 2022, 49, .	4.0	14
7	Formation Mechanisms of the Molecular Ion Polar Plume and Its Contribution to Ion Escape From Mars. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	4
8	Particleâ€Inâ€Cell Modeling of Martian Magnetic Cusps and Their Role in Enhancing Nightside Ionospheric Ion Escape. Geophysical Research Letters, 2021, 48, .	4.0	7
9	MAVEN Survey of Magnetic Flux Rope Properties in the Martian Ionosphere: Comparison With Three Types of Formation Mechanisms. Geophysical Research Letters, 2021, 48, e2021GL093296.	4.0	13
10	Test Particle Model Predictions of SEP Electron Transport and Precipitation at Mars. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029132.	2.4	4
11	Martian Crustal Field Influence on O⁺ and O₂⁺ Escape as Measured by MAVEN. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029234.	2.4	14
12	Discrete Aurora on Mars: Insights Into Their Distribution and Activity From MAVEN/IUVS Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029428.	2.4	20
13	Emirates Mars Mission Characterization of Mars Atmosphere Dynamics and Processes. Space Science Reviews, 2021, 217, .	8.1	23
14	MOSAIC: A Satellite Constellation to Enable Groundbreaking Mars Climate System Science and Prepare for Human Exploration. Planetary Science Journal, 2021, 2, 211.	3.6	6
15	Seasonal and Dustâ€Related Variations in the Dayside Thermospheric and Ionospheric Compositions of Mars Observed by MAVEN/NGIMS. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006926.	3.6	8
16	Global Ambipolar Potentials and Electric Fields at Mars Inferred From MAVEN Observations. Journal of Geophysical Research: Space Physics, 2021, 126, .	2.4	9
17	Sending hope to Mars. Nature Astronomy, 2020, 4, 722-722.	10.1	9
18	Variations in Nightside Magnetic Field Topology at Mars. Geophysical Research Letters, 2020, 47, e2020GL088921.	4.0	15

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19	The Influence of Interplanetary Magnetic Field Direction on Martian Crustal Magnetic Field Topology. Geophysical Research Letters, 2020, 47, e2020GL087757.	4.0	25
20	Magnetic Reconnection in the Ionosphere of Mars: The Role of Collisions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028036.	2.4	14
21	Properties of Plasma Waves Observed Upstream From Mars. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028221.	2.4	17
22	Magnetospheric Studies: A Requirement for Addressing Interdisciplinary Mysteries in the Ice Giant Systems. Space Science Reviews, 2020, 216, 1.	8.1	16
23	Characterizing Mars's Magnetotail Topology With Respect to the Upstream Interplanetary Magnetic Fields. Journal of Geophysical Research: Space Physics, 2020, 125, no.	2.4	21
24	Invertedâ€V Electron Acceleration Events Concurring With Localized Auroral Observations at Mars by MAVEN. Geophysical Research Letters, 2020, 47, e2020GL087414.	4.0	26
25	The global current systems of the Martian induced magnetosphere. Nature Astronomy, 2020, 4, 979-985.	10.1	55
26	Statistical Study of Heavy Ion Outflows From Mars Observed in the Martianâ€Induced Magnetotail by MAVEN. Journal of Geophysical Research: Space Physics, 2019, 124, 5482-5497.	2.4	29
27	Planetary magnetic field control of ion escape from weakly magnetized planets. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2108-2120.	4.4	41
28	Low Electron Temperatures Observed at Mars by MAVEN on Dayside Crustal Magnetic Field Lines. Journal of Geophysical Research: Space Physics, 2019, 124, 7629-7637.	2.4	8
29	Magnetic Field in the Martian Magnetosheath and the Application as an IMF Clock Angle Proxy. Journal of Geophysical Research: Space Physics, 2019, 124, 4295-4313.	2.4	16
30	Stellar influence on heavy ion escape from unmagnetized exoplanets. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1283-1291.	4.4	12
31	A Technique to Infer Magnetic Topology at Mars and Its Application to the Terminator Region. Journal of Geophysical Research: Space Physics, 2019, 124, 1823-1842.	2.4	58
32	The Influence of Solar Wind Pressure on Martian Crustal Magnetic Field Topology. Geophysical Research Letters, 2019, 46, 2347-2354.	4.0	35
33	MAVEN Case Studies of Plasma Dynamics in Lowâ€Altitude Crustal Magnetic Field at Mars 1: Dayside Ion Spikes Associated With Radial Crustal Magnetic Fields. Journal of Geophysical Research: Space Physics, 2019, 124, 1239-1261.	2.4	6
34	Locally Generated ULF Waves in the Martian Magnetosphere: MAVEN Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 8707-8726.	2.4	8
35	Oxygen Ion Energization at Mars: Comparison of MAVEN and Mars Express Observations to Global Hybrid Simulation. Journal of Geophysical Research: Space Physics, 2018, 123, 1678-1689.	2.4	21
36	Oneâ€Hertz Waves at Mars: MAVEN Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 3460-3476.	2.4	10

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37	Statistical Similarities Between WSAâ€ENLIL+Cone Model and MAVEN in Situ Observations From November 2014 to March 2016. Space Weather, 2018, 16, 157-171.	3.7	2
38	Magnetic Reconnection on Dayside Crustal Magnetic Fields at Mars: MAVEN Observations. Geophysical Research Letters, 2018, 45, 4550-4558.	4.0	44
39	The Morphology of the Solar Wind Magnetic Field Draping on the Dayside of Mars and Its Variability. Geophysical Research Letters, 2018, 45, 3356-3365.	4.0	39
40	The LatHyS database for planetary plasma environment investigations: Overview and a case study of data/model comparisons. Planetary and Space Science, 2018, 150, 13-21.	1.7	10
41	Effects of the Crustal Magnetic Fields and Changes in the IMF Orientation on the Magnetosphere of Mars: MAVEN Observations and LatHyS Results. Journal of Geophysical Research: Space Physics, 2018, 123, 5315-5333.	2.4	21
42	Comparison of Global Martian Plasma Models in the Context of MAVEN Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 3714-3726.	2.4	15
43	Structure and Variability of the Martian Ion Composition Boundary Layer. Journal of Geophysical Research: Space Physics, 2018, 123, 8439-8458.	2.4	24
44	Evidence for Crustal Magnetic Field Control of Ions Precipitating Into the Upper Atmosphere of Mars. Journal of Geophysical Research: Space Physics, 2018, 123, 8572-8586.	2.4	16
45	Investigation of Martian Magnetic Topology Response to 2017 September ICME. Geophysical Research Letters, 2018, 45, 7337-7346.	4.0	39
46	A Proxy for the Upstream IMF Clock Angle Using MAVEN Magnetic Field Data. Journal of Geophysical Research: Space Physics, 2018, 123, 9612-9618.	2.4	6
47	An Artificial Neural Network for Inferring Solar Wind Proxies at Mars. Geophysical Research Letters, 2018, 45, 10,855.	4.0	21
48	The Threeâ€Dimensional Bow Shock of Mars as Observed by MAVEN. Journal of Geophysical Research: Space Physics, 2018, 123, 4542-4555.	2.4	40
49	Global Aurora on Mars During the September 2017 Space Weather Event. Geophysical Research Letters, 2018, 45, 7391-7398.	4.0	44
50	Modeling Martian Atmospheric Losses over Time: Implications for Exoplanetary Climate Evolution and Habitability. Astrophysical Journal Letters, 2018, 859, L14.	8.3	51
51	Cold Dense Ion Outflow Observed in the Martianâ€Induced Magnetotail by MAVEN. Geophysical Research Letters, 2018, 45, 5283-5289.	4.0	22
52	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. Icarus, 2018, 315, 146-157.	2.5	216
53	The Twisted Configuration of the Martian Magnetotail: MAVEN Observations. Geophysical Research Letters, 2018, 45, 4559-4568.	4.0	66
54	Ionizing Electrons on the Martian Nightside: Structure and Variability. Journal of Geophysical Research: Space Physics, 2018, 123, 4349-4363.	2.4	35

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55	MARSIS Observations of the Martian Nightside Ionosphere During the September 2017 Solar Event. Geophysical Research Letters, 2018, 45, 7960-7967.	4.0	23
56	Responses of the Martian Magnetosphere to an Interplanetary Coronal Mass Ejection: MAVEN Observations and LatHyS Results. Geophysical Research Letters, 2018, 45, 7891-7900.	4.0	19
57	Observations and Impacts of the 10 September 2017 Solar Events at Mars: An Overview and Synthesis of the Initial Results. Geophysical Research Letters, 2018, 45, 8871-8885.	4.0	77
58	Fieldâ€Aligned Electrostatic Potentials Above the Martian Exobase From MGS Electron Reflectometry: Structure and Variability. Journal of Geophysical Research E: Planets, 2018, 123, 67-92.	3.6	14
59	Martian lowâ€altitude magnetic topology deduced from MAVEN/SWEA observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1831-1852.	2.4	107
60	Characterization of turbulence in the Mars plasma environment with MAVEN observations. Journal of Geophysical Research: Space Physics, 2017, 122, 656-674.	2.4	30
61	MAVEN observations on a hemispheric asymmetry of precipitating ions toward the Martian upper atmosphere according to the upstream solar wind electric field. Journal of Geophysical Research: Space Physics, 2017, 122, 1083-1101.	2.4	19
62	Seasonal variability of Martian ion escape through the plume and tail from MAVEN observations. Journal of Geophysical Research: Space Physics, 2017, 122, 4009-4022.	2.4	66
63	Survey of magnetic reconnection signatures in the Martian magnetotail with MAVEN. Journal of Geophysical Research: Space Physics, 2017, 122, 5114-5131.	2.4	40
64	Martian magnetic storms. Journal of Geophysical Research: Space Physics, 2017, 122, 6185-6209.	2.4	40
65	MAVEN observations of tail current sheet flapping at Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 4308-4324.	2.4	37
66	MAVEN observations of a giant ionospheric flux rope near Mars resulting from interaction between the crustal and interplanetary draped magnetic fields. Journal of Geophysical Research: Space Physics, 2017, 122, 828-842.	2.4	21
67	Estimates of Ionospheric Transport and Ion Loss at Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 10,626.	2.4	24
68	Highâ€Altitude Closed Magnetic Loops at Mars Observed by MAVEN. Geophysical Research Letters, 2017, 44, 11,229.	4.0	26
69	Characterization of Lowâ€Altitude Nightside Martian Magnetic Topology Using Electron Pitch Angle Distributions. Journal of Geophysical Research: Space Physics, 2017, 122, 9777-9789.	2.4	52
70	The Martian Photoelectron Boundary as Seen by MAVEN. Journal of Geophysical Research: Space Physics, 2017, 122, 10,472.	2.4	28
71	Statistical Study of Relations Between the Induced Magnetosphere, Ion Composition, and Pressure Balance Boundaries Around Mars Based On MAVEN Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 9723-9737.	2.4	44
72	Ion escape rates from Mars: Results from hybrid simulations compared to MAVEN observations. Journal of Geophysical Research: Space Physics, 2017, 122, 8391-8408.	2.4	15

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73	Effects of solar irradiance on the upper ionosphere and oxygen ion escape at Mars: MAVEN observations. Journal of Geophysical Research: Space Physics, 2017, 122, 7142-7152.	2.4	30
74	Upper Neutral Atmosphere and Ionosphere. , 2017, , 433-463.		33
75	Solar Wind Interaction and Atmospheric Escape. , 2017, , 464-496.		18
76	The Mars crustal magnetic field control of plasma boundary locations and atmospheric loss: MHD prediction and comparison with MAVEN. Journal of Geophysical Research: Space Physics, 2017, 122, 4117-4137.	2.4	60
77	Statistical analysis of the reflection of incident O⁺ pickup ions at Mars: MAVEN observations. Journal of Geophysical Research: Space Physics, 2017, 122, 4089-4101.	2.4	11
78	Flows, Fields, and Forces in the Marsâ€Solar Wind Interaction. Journal of Geophysical Research: Space Physics, 2017, 122, 11,320.	2.4	64
79	Comparative study of the Martian suprathermal electron depletions based on Mars Global Surveyor, Mars Express, and Mars Atmosphere and Volatile EvolutioN mission observations. Journal of Geophysical Research: Space Physics, 2017, 122, 857-873.	2.4	28
80	The Effect of Solar Wind Variations on the Escape of Oxygen Ions From Mars Through Different Channels: MAVEN Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 11,285.	2.4	44
81	Martian magnetism with orbiting sub-millimeter sensor: simulated retrieval system. Geoscientific Instrumentation, Methods and Data Systems, 2017, 6, 27-37.	1.6	4
82	On the origins of magnetic flux ropes in nearâ€Mars magnetotail current sheets. Geophysical Research Letters, 2017, 44, 7653-7662.	4.0	28
83	The Response of the Martian Atmosphere to Space Weather. Proceedings of the International Astronomical Union, 2017, 13, 114-120.	0.0	1
84	A Monte Carlo model of crustal field influences on solar energetic particle precipitation into the Martian atmosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 5653-5669.	2.4	10
85	Proton cyclotron waves occurrence rate upstream from Mars observed by MAVEN: Associated variability of the Martian upper atmosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 11,113.	2.4	50
86	MAVEN observations of electronâ€induced whistler mode waves in the Martian magnetosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 9717-9731.	2.4	27
87	Atmospheric escape from unmagnetized bodies. Journal of Geophysical Research E: Planets, 2016, 121, 2364-2385.	3.6	44
88	Solar control of the Martian magnetic topology: Implications from model-data comparisons. Planetary and Space Science, 2016, 128, 1-13.	1.7	7
89	MAVEN observations of magnetic flux ropes with a strong field amplitude in the Martian magnetosheath during the ICME passage on 8 March 2015. Geophysical Research Letters, 2016, 43, 4816-4824.	4.0	14
90	Marsâ€solar wind interaction: LatHyS, an improved parallel 3â€D multispecies hybrid model. Journal of Geophysical Research: Space Physics, 2016, 121, 6378-6399.	2.4	54

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91	O⁺ ion beams reflected below the Martian bow shock: MAVEN observations. Journal of Geophysical Research: Space Physics, 2016, 121, 3093-3107.	2.4	13
92	Plasma clouds and snowplows: Bulk plasma escape from Mars observed by MAVEN. Geophysical Research Letters, 2016, 43, 1426-1434.	4.0	36
93	MAVEN observations of partially developed Kelvinâ€Helmholtz vortices at Mars. Geophysical Research Letters, 2016, 43, 4763-4773.	4.0	38
94	Continuous solar wind forcing knowledge: Providing continuous conditions at Mars with the WSAâ€ENLILâ€‰+â€‰Cone model. Journal of Geophysical Research: Space Physics, 2016, 121, 6207-6222.	2.4	10
95	MAVEN observation of an obliquely propagating lowâ€frequency wave upstream of Mars. Journal of Geophysical Research: Space Physics, 2016, 121, 2374-2389.	2.4	19
96	Space Weather Storm Responses at Mars: Lessons from A Weakly Magnetized Terrestrial Planet. Proceedings of the International Astronomical Union, 2016, 12, 211-217.	0.0	0
97	MAVEN observations of energyâ€time dispersed electron signatures in Martian crustal magnetic fields. Geophysical Research Letters, 2016, 43, 939-944.	4.0	18
98	Dynamics of planetary ions in the induced magnetospheres of Venus and Mars. Planetary and Space Science, 2016, 127, 1-14.	1.7	22
99	Characterizing Atmospheric Escape from Mars Today and Through Time, with MAVEN. Space Science Reviews, 2015, 195, 357-422.	8.1	99
100	Magnetotail dynamics at Mars: Initial MAVEN observations. Geophysical Research Letters, 2015, 42, 8828-8837.	4.0	52
101	Response of Mars O⁺ pickup ions to the 8 March 2015 ICME: Inferences from MAVEN dataâ€based models. Geophysical Research Letters, 2015, 42, 9095-9102.	4.0	47
102	Control of Mars global atmospheric loss by the continuous rotation of the crustal magnetic field: A timeâ€dependent MHD study. Journal of Geophysical Research: Space Physics, 2015, 120, 10,926.	2.4	61
103	Strong plume fluxes at Mars observed by MAVEN: An important planetary ion escape channel. Geophysical Research Letters, 2015, 42, 8942-8950.	4.0	143
104	Multifluid MHD study of the solar wind interaction with Mars' upper atmosphere during the 2015 March 8th ICME event. Geophysical Research Letters, 2015, 42, 9103-9112.	4.0	54
105	First results of the <scp>MAVEN</scp> magnetic field investigation. Geophysical Research Letters, 2015, 42, 8819-8827.	4.0	102
106	Timeâ€dispersed ion signatures observed in the Martian magnetosphere by MAVEN. Geophysical Research Letters, 2015, 42, 8910-8916.	4.0	25
107	MARSIS remote sounding of localized density structures in the dayside Martian ionosphere: A study of controlling parameters. Journal of Geophysical Research: Space Physics, 2015, 120, 8125-8145.	2.4	20
108	Magnetic reconnection in the nearâ€Mars magnetotail: MAVEN observations. Geophysical Research Letters, 2015, 42, 8838-8845.	4.0	59

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109	Marsward and tailward ions in the nearâ€Mars magnetotail: MAVEN observations. Geophysical Research Letters, 2015, 42, 8925-8932.	4.0	34
110	Estimation of the spatial structure of a detached magnetic flux rope at Mars based on simultaneous MAVEN plasma and magnetic field observations. Geophysical Research Letters, 2015, 42, 8933-8941.	4.0	17
111	Asymmetric penetration of shocked solar wind down to 400 km altitudes at Mars. Journal of Geophysical Research: Space Physics, 2015, 120, 6874-6883.	2.4	7
112	Implications of MAVEN Mars nearâ€wake measurements and models. Geophysical Research Letters, 2015, 42, 9087-9094.	4.0	35
113	A comet engulfs Mars: MAVEN observations of comet Siding Spring's influence on the Martian magnetosphere. Geophysical Research Letters, 2015, 42, 8810-8818.	4.0	8
114	Initial results from the MAVEN mission to Mars. Geophysical Research Letters, 2015, 42, 8791-8802.	4.0	101
115	The spatial distribution of planetary ion fluxes near Mars observed by MAVEN. Geophysical Research Letters, 2015, 42, 9142-9148.	4.0	115
116	Solar wind interaction effects on the magnetic fields around Mars: Consequences for interplanetary and crustal field measurements. Planetary and Space Science, 2015, 117, 15-23.	1.7	16
117	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. Space Science Reviews, 2015, 195, 3-48.	8.1	563
118	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	12.6	166
119	Discovery of diffuse aurora on Mars. Science, 2015, 350, aad0313.	12.6	98
120	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	12.6	90
121	Formation processes of flux ropes downstream from Martian crustal magnetic fields inferred from Gradâ€Shafranov reconstruction. Journal of Geophysical Research: Space Physics, 2014, 119, 7947-7962.	2.4	22
122	Evidence for smallâ€scale collisionless shocks at the Moon from ARTEMIS. Geophysical Research Letters, 2014, 41, 7436-7443.	4.0	33
123	The spatial structure of Martian magnetic flux ropes recovered by the Gradâ€Shafranov reconstruction technique. Journal of Geophysical Research: Space Physics, 2014, 119, 1262-1271.	2.4	20
124	Simulated kinetic effects of the corona and solar cycle on high altitude ion transport at Mars. Journal of Geophysical Research: Space Physics, 2013, 118, 3700-3711.	2.4	11
125	Correlations between variations in solar EUV and soft Xâ€ray irradiance and photoelectron energy spectra observed on Mars and Earth. Journal of Geophysical Research: Space Physics, 2013, 118, 7338-7347.	2.4	11
126	Nightside electron precipitation at Mars: Geographic variability and dependence on solar wind conditions. Journal of Geophysical Research: Space Physics, 2013, 118, 3546-3556.	2.4	68

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127	Temporal variability of waves at the proton cyclotron frequency upstream from Mars: Implications for Mars distant hydrogen exosphere. Geophysical Research Letters, 2013, 40, 3809-3813.	4.0	29
128	Planetary Magnetic Fields and Climate Evolution. , 2013, , .		9
129	Atmospheric Escape and Climate Evolution of Terrestrial Planets. , 2013, , .		8
130	On wind-driven electrojets at magnetic cusps in the nightside ionosphere of Mars. Earth, Planets and Space, 2012, 64, 93-103.	2.5	23
131	Investigation of Mars' ionospheric response to solar energetic particle events. Journal of Geophysical Research, 2012, 117, .	3.3	26
132	A case study of proton precipitation at Mars: Mars Express observations and hybrid simulations. Journal of Geophysical Research, 2012, 117, .	3.3	28
133	A chain of magnetic flux ropes in the magnetotail of Mars. Geophysical Research Letters, 2012, 39, .	4.0	26
134	Evidence for superthermal secondary electrons produced by SEP ionization in the Martian atmosphere. Journal of Geophysical Research, 2012, 117, .	3.3	17
135	Energetic particles detected by the Electron Reflectometer instrument on the Mars Global Surveyor, 1999â€“2006. Space Weather, 2012, 10, .	3.7	23
136	On the relation between plasma escape and the Martian crustal magnetic field. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	49
137	Dual-spacecraft observation of large-scale magnetic flux ropes in the Martian ionosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	21
138	Observation of conical electron distributions over Martian crustal magnetic fields. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	15
139	Multipoint observations of coronal mass ejection and solar energetic particle events on Mars and Earth during November 2001. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	12
140	Observational evidence of alphaâ€particle capture at Mars. Geophysical Research Letters, 2011, 38, .	4.0	32
141	Large-amplitude compressive â€œsawtoothâ€•magnetic field oscillations in the Martian magnetosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	21
142	Threeâ€dimensional structure of the Martian nightside ionosphere: Predicted rates of impact ionization from Mars Global Surveyor magnetometer and electron reflectometer measurements of precipitating electrons. Journal of Geophysical Research, 2011, 116, .	3.3	65
143	Areas of enhanced ionization in the deep nightside ionosphere of Mars. Journal of Geophysical Research, 2011, 116, .	3.3	50
144	Evaluating predictions of ICME arrival at Earth and Mars. Space Weather, 2011, 9, .	3.7	20

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145	A statistical study of flux ropes in the Martian magnetosphere. Planetary and Space Science, 2011, 59, 1498-1505.	1.7	43
146	ARTEMIS Science Objectives. Space Science Reviews, 2011, 165, 59-91.	8.1	47
147	Parametric analysis of modeled ion escape from Mars. Icarus, 2011, 212, 131-137.	2.5	11
148	ARTEMIS Science Objectives. , 2011, , 27-59.		4
149	A comparison of global models for the solar wind interaction with Mars. Icarus, 2010, 206, 139-151.	2.5	108
150	Day-side ionospheric conductivities at Mars. Planetary and Space Science, 2010, 58, 1139-1151.	1.7	26
151	Interplanetary coronal mass ejection influence on high energy pick-up ions at Venus. Planetary and Space Science, 2010, 58, 1784-1791.	1.7	27
152	Global distribution, structure, and solar wind control of low altitude current sheets at Mars. Icarus, 2010, 206, 64-73.	2.5	20
153	Localized ionization patches in the nighttime ionosphere of Mars and their electrodynamic consequences. Icarus, 2010, 206, 112-119.	2.5	54
154	Ion escape from Mars as a function of solar wind conditions: A statistical study. Icarus, 2010, 206, 40-49.	2.5	72
155	Radar absorption due to a corotating interaction region encounter with Mars detected by MARSIS. Icarus, 2010, 206, 95-103.	2.5	19
156	Dayside induced magnetic field in the ionosphere of Mars. Icarus, 2010, 206, 104-111.	2.5	46
157	Search for Phobos and Deimos gas/dust tori using in situ observations from Mars Global Surveyor MAG/ER. Icarus, 2010, 206, 189-198.	2.5	15
158	Modeling photoelectron transport in the Martian ionosphere at Olympus Mons and Syrtis Major: MGS observations. Journal of Geophysical Research, 2010, 115, .	3.3	17
159	Magnetosonic Mach number effect of the position of the bow shock at Mars in comparison to Venus. Journal of Geophysical Research, 2010, 115, .	3.3	39
160	Episodic detachment of Martian crustal magnetic fields leading to bulk atmospheric plasma escape. Geophysical Research Letters, 2010, 37, .	4.0	97
161	Total electron content in the Mars ionosphere: Temporal studies and dependence on solar EUV flux. Journal of Geophysical Research, 2010, 115, .	3.3	38
162	In situ observations of reconnection Hall magnetic fields at Mars: Evidence for ion diffusion region encounters. Journal of Geophysical Research, 2009, 114, .	3.3	66

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163	Nightside ionosphere of Mars: Modeling the effects of crustal magnetic fields and electron pitch angle distributions on electron impact ionization. Journal of Geophysical Research, 2009, 114, .	3.3	88
164	Plasma boundary variability at Mars as observed by Mars Global Surveyor and Mars Express. Annales Geophysicae, 2009, 27, 3537-3550.	1.6	70
165	Rosetta and Mars Express observations of the influence of high solar wind pressure on the Martian plasma environment. Annales Geophysicae, 2009, 27, 4533-4545.	1.6	21
166	Distribution and variability of accelerated electrons at Mars. Advances in Space Research, 2008, 41, 1347-1352.	2.6	30
167	Mars Express and Venus Express multi-point observations of geoeffective solar flare events in December 2006. Planetary and Space Science, 2008, 56, 873-880.	1.7	102
168	Ionospheric photoelectrons at Venus: Initial observations by ASPERA-4 ELS. Planetary and Space Science, 2008, 56, 802-806.	1.7	48
169	Influence of IMF draping direction and crustal magnetic field location on Martian ion beams. Planetary and Space Science, 2008, 56, 861-867.	1.7	16
170	Density cavity observed over a strong lunar crustal magnetic anomaly in the solar wind: A mini-magnetosphere?. Planetary and Space Science, 2008, 56, 941-946.	1.7	65
171	Solar wind interaction with lunar crustal magnetic anomalies. Advances in Space Research, 2008, 41, 1319-1324.	2.6	38
172	Continuous monitoring of nightside upper thermospheric mass densities in the martian southern hemisphere over 4 martian years using electron reflectometry. Icarus, 2008, 194, 562-574.	2.5	19
173	Evidence for collisionless magnetic reconnection at Mars. Geophysical Research Letters, 2008, 35, .	4.0	94
174	Mars: A Richly Complicated Obstacle to the Solar Wind: Chapman Conference on the Solar Wind Interaction With Mars; San Diego, California, 22-25 January 2008. Eos, 2008, 89, 212-212.	0.1	0
175	Observations of aurorae by SPICAM ultraviolet spectrograph on board Mars Express: Simultaneous ASPERAâ€ƨ and MARSIS measurements. Journal of Geophysical Research, 2008, 113, .	3.3	70
176	Venus Express observations of atmospheric oxygen escape during the passage of several coronal mass ejections. Journal of Geophysical Research, 2008, 113, .	3.3	44
177	Absorption of MARSIS radar signals: Solar energetic particles and the daytime ionosphere. Geophysical Research Letters, 2007, 34, .	4.0	35
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