B M Jakosky

List of Publications by Year
in descending order

Version: 2024-02-01

297 papers	20,323 citations	13865 67 h-index	12946 131 g-index
311 all docs	311 docs citations	311 times ranked	6220 citing authors

#	Article	IF	Citations
1	Mars Global Surveyor Thermal Emission Spectrometer experiment: Investigation description and surface science results. Journal of Geophysical Research, 2001, 106, 23823-23871.	3.3	903
2	The Thermal Emission Imaging System (THEMIS) for the Mars 2001 Odyssey Mission. Space Science Reviews, 2004, 110, 85-130.	8.1	802
3	Thermal and albedo mapping of Mars during the Viking primary mission. Journal of Geophysical Research, 1977, 82, 4249-4291.	3.3	600
4	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. Space Science Reviews, 2015, 195, 3-48.	8.1	563
5	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480.	12.6	508
6	Marsâ€™ Surface Radiation Environment Measured with the Mars Science Laboratoryâ€™s Curiosity Rover. Science, 2014, 343, 1244797.	12.6	475
7	High-Resolution Thermal Inertia Mapping from the Mars Global Surveyor Thermal Emission Spectrometer. Icarus, 2000, 148, 437-455.	2.5	470
8	Ancient Geodynamics and Global-Scale Hydrology on Mars. Science, 2001, 291, 2587-2591.	12.6	453
9	The Sample Analysis at Mars Investigation and Instrument Suite. Space Science Reviews, 2012, 170, 401-478.	8.1	435
10	Mars' volatile and climate history. Nature, 2001, 412, 237-244.	27.8	416
11	Morphology and Composition of the Surface of Mars: Mars Odyssey THEMIS Results. Science, 2003, 300, 2056-2061.	12.6	368
12	The distribution and behavior of Martian ground ice during past and present epochs. Journal of Geophysical Research, 1995, 100, 11781.	3.3	353
13	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. Science, 2013, 341, 263-266.	12.6	327
14	The seasonal and global behavior of water vapor in the Mars atmosphere: Complete global results of the Viking Atmospheric Water Detector Experiment. Journal of Geophysical Research, 1982, 87, 2999-3019.	3.3	325
15	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1245267.	12.6	323
16	The Solar Wind Ion Analyzer for MAVEN. Space Science Reviews, 2015, 195, 125-151.	8.1	300
17	Geographic variations in the thermal and diffusive stability of ground ice on Mars. Journal of Geophysical Research, 1993, 98, 3345-3364.	3.3	288
18	New Perspectives on Ancient Mars. Science, 2005, 307, 1214-1220.	12.6	265

#	Article	IF	Citations
19	Mars Atmospheric Loss and Isotopic Fractionation by Solar-Wind-Induced Sputtering and Photochemical Escape. Icarus, 1994, 111, 271-288.	2.5	260
20	Isotope Ratios of H, C, and O in CO ₂ and H ₂ O of the Martian Atmosphere. Science, 2013, 341, 260-263.	12.6	241
21	MAVEN SupraThermal and Thermal Ion Compostion (STATIC) Instrument. Space Science Reviews, 2015, 195, 199-256.	8.1	225
22	The MAVEN Solar Wind Electron Analyzer. Space Science Reviews, 2016, 200, 495-528.	8.1	217
23	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
24	Structure, dynamics, and seasonal variability of the Marsâ€solar wind interaction: MAVEN Solar Wind Ion Analyzer inâ€flight performance and science results. Journal of Geophysical Research: Space Physics, 2017, 122, 547-578.	2.4	191
25	Marsâ€™ atmospheric history derived from upper-atmosphere measurements of ³⁸ Ar/ ³⁶ Ar. Science, 2017, 355, 1408-1410.	12.6	183
26	Possible precipitation of ice at low latitudes of Mars during periods of high obliquity. Nature, 1985, 315, 559-561.	27.8	180
27	Structure and composition of the neutral upper atmosphere of Mars from the MAVEN NGIMS investigation. Geophysical Research Letters, 2015, 42, 8951-8957.	4.0	168
28	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	12.6	166
29	Chaotic obliquity and the nature of the Martian climate. Journal of Geophysical Research, 1995, 100, 1579.	3.3	144
30	Subfreezing Activity of Microorganisms and the Potential Habitability of Mars' Polar Regions. Astrobiology, 2003, 3, 343-350.	3.0	143
31	Strong plume fluxes at Mars observed by MAVEN: An important planetary ion escape channel. Geophysical Research Letters, 2015, 42, 8942-8950.	4.0	143
32	First measurements of composition and dynamics of the Martian ionosphere by MAVEN's Neutral Gas and Ion Mass Spectrometer. Geophysical Research Letters, 2015, 42, 8958-8965.	4.0	142
33	The biological potential of Mars, the early Earth, and Europa. Journal of Geophysical Research, 1998, 103, 19359-19364.	3.3	130
34	Viking landing sites, remote-sensing observations, and physical properties of Martian surface materials. Icarus, 1989, 81, 164-184.	2.5	124
35	The structure and variability of Mars dayside thermosphere from MAVEN NGIMS and IUVS measurements: Seasonal and solar activity trends in scale heights and temperatures. Journal of Geophysical Research: Space Physics, 2017, 122, 1296-1313.	2.4	124
36	On the thermal properties of Martian fines. Icarus, 1986, 66, 117-124.	2.5	121

#	Article	IF	Citations
37	The history of Martian volatiles. Reviews of Geophysics, 1997, 35, 1-16.	23.0	118
38	Rock size-frequency distributions on Mars and implications for Mars Exploration Rover landing safety and operations. Journal of Geophysical Research, 2003, 108, .	3.3	117
39	Dayside electron temperature and density profiles at Mars: First results from the MAVEN Langmuir probe and waves instrument. Geophysical Research Letters, 2015, 42, 8846-8853.	4.0	116
40	The MAVEN EUVM model of solar spectral irradiance variability at Mars: Algorithms and results. Journal of Geophysical Research: Space Physics, 2017, 122, 2748-2767.	2.4	116
41	The spatial distribution of planetary ion fluxes near Mars observed by MAVEN. Geophysical Research Letters, 2015, 42, 9142-9148.	4.0	115
42	Martian lowâ€altitude magnetic topology deduced from MAVEN/SWEA observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1831-1852.	2.4	107
43	The seasonal cycle of water on Mars. Space Science Reviews, 1985, 41, 131.	8.1	106
44	Photochemical escape of oxygen from Mars: First results from MAVEN in situ data. Journal of Geophysical Research: Space Physics, 2017, 122, 3815-3836.	2.4	106
45	Sublimation and transport of water from the north residual polar cap on Mars. Journal of Geophysical Research, 1990, 95, 1423-1437.	3.3	104
46	First results of the <scp>MAVEN</scp> magnetic field investigation. Geophysical Research Letters, 2015, 42, 8819-8827.	4.0	102
47	Initial results from the MAVEN mission to Mars. Geophysical Research Letters, 2015, 42, 8791-8802.	4.0	101
48	Atmospheric loss since the onset of the Martian geologic record: Combined role of impact erosion and sputtering. Journal of Geophysical Research, 1998, 103, 22689-22694.	3.3	99
49	Characterizing Atmospheric Escape from Mars Today and Through Time, with MAVEN. Space Science Reviews, 2015, 195, 357-422.	8.1	99
50	Discovery of diffuse aurora on Mars. Science, 2015, 350, aad0313.	12.6	98
51	The structure and variability of Mars upper atmosphere as seen in MAVEN/IUVS dayglow observations. Geophysical Research Letters, 2015, 42, 9023-9030.	4.0	95
52	Mars volatile evolution: Evidence from stable isotopes. Icarus, 1991, 94, 14-31.	2.5	93
53	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	12.6	90
54	The thermal inertia of Mars from the Mars Global Surveyor Thermal Emission Spectrometer. Journal of Geophysical Research, 2000, 105, 9643-9652.	3.3	88

#	Article	IF	Citations
55	MAVEN NGIMS observations of atmospheric gravity waves in the Martian thermosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 2310-2335.	2.4	88
56	Martian neutron leakage spectra. Journal of Geophysical Research, 1988, 93, 6353-6368.	3.3	81
57	The MAVEN Solar Energetic Particle Investigation. Space Science Reviews, 2015, 195, 153-172.	8.1	79
58	Highâ€altitude gravity waves in the Martian thermosphere observed by MAVEN/NGIMS and modeled by a gravity wave scheme. Geophysical Research Letters, 2015, 42, 8993-9000.	4.0	79
59	MAVEN observations of solar wind hydrogen deposition in the atmosphere of Mars. Geophysical Research Letters, 2015, 42, 8901-8909.	4.0	78
60	MAVEN observations of the solar cycle 24 space weather conditions at Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 2768-2794.	2.4	78
61	MAVEN IUVS observation of the hot oxygen corona at Mars. Geophysical Research Letters, 2015, 42, 9009-9014.	4.0	77
62	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
63	Comparison of ground-based and Viking Orbiter measurements of Martian water vapor: Variability of the seasonal cycle. Icarus, 1984, 57, 322-334.	2.5	76
64	Isotopes of nitrogen on Mars: Atmospheric measurements byâ€‰Curiosity's mass spectrometer. Geophysical Research Letters, 2013, 40, 6033-6037.	4.0	72
65	The sustainability of habitability on terrestrial planets: Insights, questions, and needed measurements from Mars for understanding the evolution of Earthâ€like worlds. Journal of Geophysical Research E: Planets, 2016, 121, 1927-1961.	3.6	72
66	Mars Exploration Rover candidate landing sites as viewed by THEMIS. Icarus, 2005, 176, 12-43.	2.5	70
67	The role of seasonal reservoirs in the Mars water cycle. Icarus, 1983, 55, 19-39.	2.5	69
68	Threeâ€dimensional structure in the Mars H corona revealed by IUVS on MAVEN. Geophysical Research Letters, 2015, 42, 9001-9008.	4.0	67
69	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
70	Global distribution and parameter dependences of gravity wave activity in the Martian upper thermosphere derived from MAVEN/NGIMS observations. Journal of Geophysical Research: Space Physics, 2017, 122, 2374-2397.	2.4	66
71	The Twisted Configuration of the Martian Magnetotail: MAVEN Observations. Geophysical Research Letters, 2018, 45, 4559-4568.	4.0	66
72	Mars low-latitude neutron distribution: Possible remnant near-surface water ice and a mechanism for its recent emplacement. Icarus, 2005, 175, 58-67.	2.5	64

#	Article	IF	Citations
73	Variability of D and H in the Martian upper atmosphere observed with the MAVEN IUVS echelle channel. Journal of Geophysical Research: Space Physics, 2017, 122, 2336-2344.	2.4	64
74	Flows, Fields, and Forces in the Marsâ€Solar Wind Interaction. Journal of Geophysical Research: Space Physics, 2017, 122, 11,320.	2.4	64
75	The first in situ electron temperature and density measurements of the Martian nightside ionosphere. Geophysical Research Letters, 2015, 42, 8854-8861.	4.0	62
76	Mars thermosphere as seen in MAVEN accelerometer data. Journal of Geophysical Research: Space Physics, 2017, 122, 3798-3814.	2.4	60
77	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
78	The role of seasonal reservoirs in the Mars water cycle. Icarus, 1983, 55, 1-18.	2.5	59
79	Magnetic reconnection in the nearâ€Mars magnetotail: MAVEN observations. Geophysical Research Letters, 2015, 42, 8838-8845.	4.0	59
80	Biological Potential of Martian Hydrothermal Systems. Astrobiology, 2003, 3, 407-414.	3.0	58
81	MHD model results of solar wind interaction with Mars and comparison with MAVEN plasma observations. Geophysical Research Letters, 2015, 42, 9113-9120.	4.0	58
82	MAVEN IUVS observations of the aftermath of the Comet Siding Spring meteor shower on Mars. Geophysical Research Letters, 2015, 42, 4755-4761.	4.0	56
83	Water and water ions in the Martian thermosphere/ionosphere. Geophysical Research Letters, 2015, 42, 8977-8985.	4.0	56
84	Evolution of Martian atmospheric argon: Implications for sources of volatiles. Journal of Geophysical Research, 1996, 101, 14933-14949.	3.3	55
85	MAVEN measured oxygen and hydrogen pickup ions: Probing the Martian exosphere and neutral escape. Journal of Geophysical Research: Space Physics, 2017, 122, 3689-3706.	2.4	55
86	The global current systems of the Martian induced magnetosphere. Nature Astronomy, 2020, 4, 979-985.	10.1	55
87	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
88	Deep nightside photoelectron observations by MAVEN SWEA: Implications for Martian northern hemispheric magnetic topology and nightside ionosphere source. Geophysical Research Letters, 2016, 43, 8876-8884.	4.0	54
89	MAVEN insights into oxygen pickup ions at Mars. Geophysical Research Letters, 2015, 42, 8870-8876.	4.0	53
90	Inventory of CO2 available for terraforming Mars. Nature Astronomy, 2018, 2, 634-639.	10.1	53

#	Article	IF	Citations
91	The Mars Water Cycle at Other Epochs: Recent History of the Polar Caps and Layered Terrain. Icarus, 1993, 102, 286-297.	2.5	52
92	A volcanic interpretation of Gusev Crater surface materials from thermophysical, spectral, and morphological evidence. Journal of Geophysical Research, 2005, 110, .	3.3	52
93	Magnetotail dynamics at Mars: Initial MAVEN observations. Geophysical Research Letters, 2015, 42, 8828-8837.	4.0	52
94	He bulge revealed: He and CO₂ diurnal and seasonal variations in the upper atmosphere of Mars as detected by MAVEN NGIMS. Journal of Geophysical Research: Space Physics, 2017, 122, 2564-2573.	2.4	52
95	Detection of a persistent meteoric metal layer in the Martian atmosphere. Nature Geoscience, 2017, 10, 401-404.	12.9	52
96	Modeling Martian Atmospheric Losses over Time: Implications for Exoplanetary Climate Evolution and Habitability. Astrophysical Journal Letters, 2018, 859, L14.	8.3	51
97	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
98	Discovery of a proton aurora at Mars. Nature Astronomy, 2018, 2, 802-807.	10.1	50
99	MAVEN Explores the Martian Upper Atmosphere. Science, 2015, 350, 643-643.	12.6	49
100	Simultaneous observations of atmospheric tides from combined in situ and remote observations at Mars from the MAVEN spacecraft. Journal of Geophysical Research E: Planets, 2016, 121, 594-607.	3.6	48
101	Enhanced O₂⁺ loss at Mars due to an ambipolar electric field from electron heating. Journal of Geophysical Research: Space Physics, 2016, 121, 4668-4678.	2.4	48
102	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
103	Nightside ionosphere of Mars: Composition, vertical structure, and variability. Journal of Geophysical Research: Space Physics, 2017, 122, 4712-4725.	2.4	46
104	Lowâ€frequency waves in the Martian magnetosphere and their response to upstream solar wind driving conditions. Geophysical Research Letters, 2015, 42, 8917-8924.	4.0	45
105	Metallic ions in the upper atmosphere of Mars from the passage of comet C/2013 A1 (Siding Spring). Geophysical Research Letters, 2015, 42, 4670-4675.	4.0	45
106	Impact of a paleomagnetic field on sputtering loss of Martian atmospheric argon and neon. Journal of Geophysical Research, 1997, 102, 9183-9189.	3.3	44
107	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
108	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

#	Article	IF	Citations
109	Magnetic Reconnection on Dayside Crustal Magnetic Fields at Mars: MAVEN Observations. Geophysical Research Letters, 2018, 45, 4550-4558.	4.0	44
110	Global Aurora on Mars During the September 2017 Space Weather Event. Geophysical Research Letters, 2018, 45, 7391-7398.	4.0	44
111	Nonmigrating tides in the Martian atmosphere as observed by MAVEN IUVS. Geophysical Research Letters, 2015, 42, 9057-9063.	4.0	43
112	Retrieval of CO₂ and N₂ in the Martian thermosphere using dayglow observations by IUVS on MAVEN. Geophysical Research Letters, 2015, 42, 9040-9049.	4.0	43
113	Ionopauseâ€like density gradients in the Martian ionosphere: A first look with MAVEN. Geophysical Research Letters, 2015, 42, 8885-8893.	4.0	42
114	Probing the Martian atmosphere with MAVEN/IUVS stellar occultations. Geophysical Research Letters, 2015, 42, 9064-9070.	4.0	42
115	Mars H Escape Rates Derived From MAVEN/IUVS Lyman Alpha Brightness Measurements and Their Dependence on Model Assumptions. Journal of Geophysical Research E: Planets, 2018, 123, 2192-2210.	3.6	42
116	Altitude dependence of nightside Martian suprathermal electron depletions as revealed by MAVEN observations. Geophysical Research Letters, 2015, 42, 8877-8884.	4.0	41
117	New observations of molecular nitrogen in the Martian upper atmosphere by IUVS on MAVEN. Geophysical Research Letters, 2015, 42, 9050-9056.	4.0	41
118	Dust observations at orbital altitudes surrounding Mars. Science, 2015, 350, aad0398.	12.6	41
119	Survey of magnetic reconnection signatures in the Martian magnetotail with MAVEN. Journal of Geophysical Research: Space Physics, 2017, 122, 5114-5131.	2.4	40
120	Martian magnetic storms. Journal of Geophysical Research: Space Physics, 2017, 122, 6185-6209.	2.4	40
121	Hot oxygen escape from Mars: Simple scaling with solar EUV irradiance. Journal of Geophysical Research: Space Physics, 2017, 122, 1102-1116.	2.4	40
122	Variations of the Martian plasma environment during the ICME passage on 8 March 2015: A timeâ€dependent MHD study. Journal of Geophysical Research: Space Physics, 2017, 122, 1714-1730.	2.4	40
123	MAVEN Observations of Solar Windâ€Driven Magnetosonic Waves Heating the Martian Dayside Ionosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 4129-4149.	2.4	40
124	Martian water loss to space enhanced by regional dust storms. Nature Astronomy, 2021, 5, 1036-1042.	10.1	40
125	Mars heavy ion precipitating flux as measured by Mars Atmosphere and Volatile EvolutioN. Geophysical Research Letters, 2015, 42, 9135-9141.	4.0	39
126	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

#	Article	IF	Citations
127	Evolution of water on Mars. Nature, 1994, 370, 328-329.	27.8	38
128	Electric Mars: The first direct measurement of an upper limit for the Martian â€œpolar windâ€•electric potential. Geophysical Research Letters, 2015, 42, 9128-9134.	4.0	38
129	Electron energetics in the Martian dayside ionosphere: Model comparisons with MAVEN data. Journal of Geophysical Research: Space Physics, 2016, 121, 7049-7066.	2.4	38
130	MAVEN observations of partially developed Kelvinâ€Helmholtz vortices at Mars. Geophysical Research Letters, 2016, 43, 4763-4773.	4.0	38
131	Seasonal Variability of Neutral Escape from Mars as Derived From MAVEN Pickup Ion Observations. Journal of Geophysical Research E: Planets, 2018, 123, 1192-1202.	3.6	38
132	MAVEN observations of tail current sheet flapping at Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 4308-4324.	2.4	37
133	A comparison of the thermal and radar characteristics of Mars. Icarus, 1981, 45, 25-38.	2.5	36
134	Plasma clouds and snowplows: Bulk plasma escape from Mars observed by MAVEN. Geophysical Research Letters, 2016, 43, 1426-1434.	4.0	36
135	Nitric oxide nightglow and Martian mesospheric circulation from MAVEN/IUVS observations and LMDâ€MGCM predictions. Journal of Geophysical Research: Space Physics, 2017, 122, 5782-5797.	2.4	36
136	Are the Viking Lander sites representative of the surface of Mars?. Icarus, 1986, 66, 125-133.	2.5	35
137	High-resolution thermal inertia mapping of Mars: Sites of exobiological interest. Journal of Geophysical Research, 2001, 106, 23887-23907.	3.3	35
138	Thermal inertia of crater-related wind streaks on Mars. Journal of Geophysical Research, 2001, 106, 23909-23920.	3.3	35
139	Implications of MAVEN Mars nearâ€wake measurements and models. Geophysical Research Letters, 2015, 42, 9087-9094.	4.0	35
140	A comparison of 3â€D model predictions of Mars' oxygen corona with early MAVEN IUVS observations. Geophysical Research Letters, 2015, 42, 9015-9022.	4.0	35
141	First Ionospheric Results From the MAVEN Radio Occultation Science Experiment (ROSE). Journal of Geophysical Research: Space Physics, 2018, 123, 4171-4180.	2.4	35
142	The Influence of Solar Wind Pressure on Martian Crustal Magnetic Field Topology. Geophysical Research Letters, 2019, 46, 2347-2354.	4.0	35
143	Atmospheric Loss to Space and the History of Water on Mars. Annual Review of Earth and Planetary Sciences, 2021, 49, 71-93.	11.0	35
144	Marsward and tailward ions in the nearâ€Mars magnetotail: MAVEN observations. Geophysical Research Letters, 2015, 42, 8925-8932.	4.0	34

#	Article	IF	Citations
145	Comparison of the Martian thermospheric density and temperature from IUVS/MAVEN data and general circulation modeling. Geophysical Research Letters, 2016, 43, 3095-3104.	4.0	34
146	Neutral density response to solar flares at Mars. Geophysical Research Letters, 2015, 42, 8986-8992.	4.0	33
147	Photoelectrons and solar ionizing radiation at Mars: Predictions versus MAVEN observations. Journal of Geophysical Research: Space Physics, 2016, 121, 8859-8870.	2.4	33
148	MAVEN observations of dayside peak electron densities in the ionosphere of Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 891-906.	2.4	33
149	Dust Stormâ€Enhanced Gravity Wave Activity in the Martian Thermosphere Observed by MAVEN and Implication for Atmospheric Escape. Geophysical Research Letters, 2021, 48, e2020GL092095.	4.0	33
150	Longitudinal structures in Mars' upper atmosphere as observed by MAVEN/NGIMS. Journal of Geophysical Research: Space Physics, 2017, 122, 1258-1268.	2.4	32
151	Solar Wind Induced Waves in the Skies of Mars: Ionospheric Compression, Energization, and Escape Resulting From the Impact of Ultralow Frequency Magnetosonic Waves Generated Upstream of the Martian Bow Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 7241-7256.	2.4	32
152	Ionospheric plasma density variations observed at Mars by MAVEN/LPW. Geophysical Research Letters, 2015, 42, 8862-8869.	4.0	32
153	Characterization of turbulence in the Mars plasma environment with MAVEN observations. Journal of Geophysical Research: Space Physics, 2017, 122, 656-674.	2.4	30
154	Unique, nonâ€Earthlike, meteoritic ion behavior in upper atmosphere of Mars. Geophysical Research Letters, 2017, 44, 3066-3072.	4.0	30
155	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
156	Electric and magnetic variations in the nearâ€Mars environment. Journal of Geophysical Research: Space Physics, 2017, 122, 8536-8559.	2.4	30
157	Variability of Martian Turbopause Altitudes. Journal of Geophysical Research E: Planets, 2018, 123, 2939-2957.	3.6	30
158	Mars volatile evolution: Implications of the recent measurement of ¹⁷O in water from the SNC meteorites. Geophysical Research Letters, 1993, 20, 1591-1594.	4.0	29
159	The Propitious Role of Solar Energetic Particles in the Origin of Life. Astrophysical Journal, 2018, 853, 10.	4.5	29
160	The Impact and Solar Wind Proxy of the 2017 September ICME Event at Mars. Geophysical Research Letters, 2018, 45, 7248-7256.	4.0	29
161	Significant Space Weather Impact on the Escape of Hydrogen From Mars. Geophysical Research Letters, 2018, 45, 8844-8852.	4.0	29
162	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

#	Article	IF	Citations
163	The CO2 inventory on Mars. Planetary and Space Science, 2019, 175, 52-59.	1.7	29
164	The Emirates Mars Mission. Space Science Reviews, 2022, 218, 4.	8.1	29
165	Model insights into energetic photoelectrons measured at Mars by MAVEN. Geophysical Research Letters, 2015, 42, 8894-8900.	4.0	28
166	The Martian Photoelectron Boundary as Seen by MAVEN. Journal of Geophysical Research: Space Physics, 2017, 122, 10,472.	2.4	28
167	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
168	On the origins of magnetic flux ropes in nearâ€Mars magnetotail current sheets. Geophysical Research Letters, 2017, 44, 7653-7662.	4.0	28
169	Mars atmospheric D/H: Consistent with polar volatile theory?. Journal of Geophysical Research, 1990, 95, 1475-1480.	3.3	27
170	Science from a Mars Airplane: The Aerial Regional-scale Environmental Survey (ARES) of Mars. , 2003, , .		27
171	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
172	On the Origins of Mars' Exospheric Nonthermal Oxygen Component as Observed by MAVEN and Modeled by HELIOSARES. Journal of Geophysical Research E: Planets, 2017, 122, 2401-2428.	3.6	27
173	Thermospheric Expansion Associated With Dust Increase in the Lower Atmosphere on Mars Observed by MAVEN/NGIMS. Geophysical Research Letters, 2018, 45, 2901-2910.	4.0	27
174	Importance of Ambipolar Electric Field in Driving Ion Loss From Mars: Results From a Multifluid MHD Model With the Electron Pressure Equation Included. Journal of Geophysical Research: Space Physics, 2019, 124, 9040-9057.	2.4	27
175	Mars Thermospheric Variability Revealed by MAVEN EUVM Solar Occultations: Structure at Aphelion and Perihelion and Response to EUV Forcing. Journal of Geophysical Research E: Planets, 2018, 123, 2248-2269.	3.6	26
176	The MAVEN Radio Occultation Science Experiment (ROSE). Space Science Reviews, 2020, 216, 1.	8.1	26
177	Timeâ€dispersed ion signatures observed in the Martian magnetosphere by MAVEN. Geophysical Research Letters, 2015, 42, 8910-8916.	4.0	25
178	Comparison of model predictions for the composition of the ionosphere of Mars to MAVEN NGIMS data. Geophysical Research Letters, 2015, 42, 8966-8976.	4.0	25
179	On Mars's Atmospheric Sputtering After MAVEN's First Martian Year of Measurements. Geophysical Research Letters, 2018, 45, 4685-4691.	4.0	25
180	The Influence of Interplanetary Magnetic Field Direction on Martian Crustal Magnetic Field Topology. Geophysical Research Letters, 2020, 47, e2020GL087757.	4.0	25

#	Article	IF	Citations
181	Structure and Variability of the Martian Ion Composition Boundary Layer. Journal of Geophysical Research: Space Physics, 2018, 123, 8439-8458.	2.4	24
182	Martian Thermospheric Response to an X8.2 Solar Flare on 10 September 2017 as Seen by MAVEN/IUVS. Geophysical Research Letters, 2018, 45, 7312-7319.	4.0	24
183	Proton Aurora on Mars: A Dayside Phenomenon Pervasive in Southern Summer. Journal of Geophysical Research: Space Physics, 2019, 124, 10533-10548.	2.4	24
184	Martian mesospheric cloud observations by IUVS on MAVEN: Thermal tides coupled to the upper atmosphere. Geophysical Research Letters, 2017, 44, 4709-4715.	4.0	23
185	Mars Dust Storm Effects in the Ionosphere and Magnetosphere and Implications for Atmospheric Carbon Loss. Journal of Geophysical Research: Space Physics, 2020, 125, no.	2.4	23
186	Emirates Mars Mission Characterization of Mars Atmosphere Dynamics and Processes. Space Science Reviews, 2021, 217, .	8.1	23
187	Cold Dense Ion Outflow Observed in the Martianâ€induced Magnetotail by MAVEN. Geophysical Research Letters, 2018, 45, 5283-5289.	4.0	22
188	Martian atmospheric photochemistry and composition during periods of low obliquity. Journal of Geophysical Research, 1985, 90, 3435-3440.	3.3	21
189	Study of the Martian cold oxygen corona from the Oâ€‰I 130.4â€‰nm by IUVS/MAVEN. Geophysical Research Letters, 2015, 42, 9031-9039.	4.0	21
190	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
191	Solar Wind Deflection by Mass Loading in the Martian Magnetosheath Based on MAVEN Observations. Geophysical Research Letters, 2018, 45, 2574-2579.	4.0	21
192	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
193	An Artificial Neural Network for Inferring Solar Wind Proxies at Mars. Geophysical Research Letters, 2018, 45, 10,855.	4.0	21
194	Ionospheric Ambipolar Electric Fields of Mars and Venus: Comparisons Between Theoretical Predictions and Direct Observations of the Electric Potential Drop. Geophysical Research Letters, 2019, 46, 1168-1176.	4.0	21
195	Changes in the thermosphere and ionosphere of Mars from Viking to MAVEN. Geophysical Research Letters, 2015, 42, 9071-9079.	4.0	20
196	A hot flow anomaly at Mars. Geophysical Research Letters, 2015, 42, 9121-9127.	4.0	20
197	Argon isotopes as tracers for martian atmospheric loss. Icarus, 2016, 272, 212-227.	2.5	20
198	Reconnection in the Martian Magnetotail: Hallâ€<scp>MHD</scp> With Embedded Particleâ€inâ€Cell Simulations. Journal of Geophysical Research: Space Physics, 2018, 123, 3742-3763.	2.4	20

#	Article	IF	Citations
199	Global circulation of Marsâ€™ upper atmosphere. Science, 2019, 366, 1363-1366.	12.6	20
200	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
201	Thermophysical properties of the MER and Beagle II landing site regions on Mars. Journal of Geophysical Research, 2006, 111, .	3.3	19
202	Astrobiological implications of Mars' surface composition and properties. , 2008, , 599-624.		19
203	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
204	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
205	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
206	Mars Upper Atmospheric Responses to the 10 September 2017 Solar Flare: A Global, Timeâ€Dependent Simulation. Geophysical Research Letters, 2019, 46, 9334-9343.	4.0	19
207	Martian Hydrated Minerals: A Significant Water Sink. Journal of Geophysical Research E: Planets, 2021, 126, e2019JE006351.	3.6	19
208	PLANETARY SCIENCE: The Changing Picture of Volatiles and Climate on Mars. Science, 2005, 310, 1439-1440.	12.6	18
209	MAVEN observations of energyâ€time dispersed electron signatures in Martian crustal magnetic fields. Geophysical Research Letters, 2016, 43, 939-944.	4.0	18
210	Solar Wind Interaction and Atmospheric Escape. , 2017, , 464-496.		18
211	Vertical Propagation of Wave Perturbations in the Middle Atmosphere on Mars by MAVEN/IUVS. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006481.	3.6	18
212	Enceladus--Oasis or Ice Ball?. Science, 2008, 320, 1432-1433.	12.6	17
213	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
214	Martian ionosphere observed by MAVEN. 3. Influence of solar wind and IMF on upper ionosphere. Planetary and Space Science, 2018, 160, 56-65.	1.7	17
215	In Situ Measurements of Thermal Ion Temperature in the Martian Ionosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029531.	2.4	17
216	Carbonates in Martian meteorite ALH84001: A planetary perspective on formation temperature. Geophysical Research Letters, 1997, 24, 819-822.	4.0	16

#	Article	IF	Citations
217	Shadowing and anisotropy of solar energetic ions at Mars measured by MAVEN during the March 2015 solar storm. Journal of Geophysical Research: Space Physics, 2016, 121, 2818-2829.	2.4	16
218	IUVS echelleâ€mode observations of interplanetary hydrogen: Standard for calibration and reference for cavity variations between Earth and Mars during MAVEN cruise. Journal of Geophysical Research: Space Physics, 2017, 122, 2089-2105.	2.4	16
219	MAVEN Observations of Ionospheric Irregularities at Mars. Geophysical Research Letters, 2017, 44, 10,845.	4.0	16
220	Electric Mars: A large transâ€terminator electric potential drop on closed magnetic field lines above Utopia Planitia. Journal of Geophysical Research: Space Physics, 2017, 122, 2260-2271.	2.4	16
221	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
222	Expansion and Shrinking of the Martian Topside Ionosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 9725-9738.	2.4	16
223	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
224	Inâ€Situ Measurements of Ion Density in the Martian Ionosphere: Underlying Structure and Variability Observed by the MAVENâ€STATIC Instrument. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	16
225	MAVEN and the Mars Initial Reference Ionosphere model. Geophysical Research Letters, 2015, 42, 9080-9086.	4.0	15
226	Spontaneous hot flow anomalies at Mars and Venus. Journal of Geophysical Research: Space Physics, 2017, 122, 9910-9923.	2.4	15
227	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
228	The Variability of Atmospheric Deuterium Brightness at Mars: Evidence for Seasonal Dependence. Journal of Geophysical Research: Space Physics, 2017, 122, 10,811.	2.4	15
229	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
230	Recovery Timescales of the Dayside Martian Magnetosphere to IMF Variability. Geophysical Research Letters, 2019, 46, 10977-10986.	4.0	15
231	Variations in Nightside Magnetic Field Topology at Mars. Geophysical Research Letters, 2020, 47, e2020GL088921.	4.0	15
232	Effects of Global and Regional Dust Storms on the Martian Hot O Corona and Photochemical Loss. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027115.	2.4	15
233	Rate coefficients for the reactions of CO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e4795" altimg="si391.svg"><mml:msubsup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:msubsup></mml:math> O: Lessons from MAVEN at Mars. Icarus, 2021, 358, 114186.	2.5	15
234	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

#	Article	IF	Citations
235	The role of the electron temperature on ion loss from Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 8375-8390.	2.4	14
236	Dynamic response of the Martian ionosphere to an interplanetary shock: Mars Express and MAVEN observations. Geophysical Research Letters, 2017, 44, 9116-9123.	4.0	14
237	Constantly forming sporadic E-like layers and rifts in the Martian ionosphere and their implications for Earth. Nature Astronomy, 2020, 4, 486-491.	10.1	14
238	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
239	O⁺ ion beams reflected below the Martian bow shock: MAVEN observations. Journal of Geophysical Research: Space Physics, 2016, 121, 3093-3107.	2.4	13
240	Seasonal Variability of Deuterium in the Upper Atmosphere of Mars. Journal of Geophysical Research: Space Physics, 2019, 124, 2152-2164.	2.4	13
241	Traveling Ionospheric Disturbances at Mars. Geophysical Research Letters, 2019, 46, 4554-4563.	4.0	13
242	Mars Water and D/H Evolution From 3.3 Ga to Present. Journal of Geophysical Research E: Planets, 2019, 124, 3344-3353.	3.6	13
243	Effect of the 2018 Martian Global Dust Storm on the CO₂ Density in the Lower Nightside Thermosphere Observed From MAVEN/IUVS Lymanâ€Alpha Absorption. Geophysical Research Letters, 2020, 47, e2019GL082889.	4.0	13
244	Water, Climate, and Life. Science, 1999, 283, 648-649.	12.6	12
245	Effects of topography on thermal infrared spectra of planetary surfaces. Journal of Geophysical Research, 2002, 107, 16-1-16-6.	3.3	12
246	MAVEN and the total electron content of the Martian ionosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 3526-3537.	2.4	12
247	Martian electron foreshock from MAVEN observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1531-1541.	2.4	12
248	Evidence for Neutralsâ€Foreshock Electrons Impact at Mars. Geophysical Research Letters, 2018, 45, 3768-3774.	4.0	12
249	Tidal Effects on the Longitudinal Structures of the Martian Thermosphere and Topside Ionosphere Observed by MAVEN. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028562.	2.4	12
250	Biological potential of low-temperature aqueous environments on Mars. International Journal of Astrobiology, 2005, 4, 155.	1.6	11
251	Ultraviolet observations of the hydrogen coma of comet C/2013 A1 (Siding Spring) by MAVEN/IUVS. Geophysical Research Letters, 2015, 42, 8803-8809.	4.0	11
252	Preface: The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. Space Science Reviews, 2015, 195, 1-2.	8.1	11

#	Article	IF	Citations
253	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
254	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
255	Oneâ€Hertz Waves at Mars: MAVEN Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 3460-3476.	2.4	10
256	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
257	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
258	Surficial properties of landslides and surrounding units in Ophir Chasma, Mars. Journal of Geophysical Research, 2006, 111, .	3.3	9
259	Correlations between enhanced electron temperatures and electric field wave power in the Martian ionosphere. Geophysical Research Letters, 2018, 45, 493-501.	4.0	9
260	A Fast Fermi Acceleration at Mars Bow Shock. Journal of Geophysical Research: Space Physics, 2019, 124, 5528-5538.	2.4	9
261	Martian stable isotopes: volatile evolution, climate change and exobiological implications. , 1999, 29, 47-57.		8
262	Thermophysical properties of the Isidis basin, Mars. Journal of Geophysical Research, 2007, 112, .	3.3	8
263	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
264	Implications of MAVEN's planetographic coordinate system for comparisons to other recent Mars orbital missions. Journal of Geophysical Research: Space Physics, 2017, 122, 802-807.	2.4	8
265	Ion Heating in the Martian Ionosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 10,612.	2.4	8
266	Locally Generated ULF Waves in the Martian Magnetosphere: MAVEN Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 8707-8726.	2.4	8
267	Seasonal and Latitudinal Variations of Dayside N₂/CO₂ Ratio in the Martian Thermosphere Derived From MAVEN IUVS Observations. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006378.	3.6	8
268	The effects of orbital and climatic variations on Martian surface heat flow. Geophysical Research Letters, 1992, 19, 2393-2396.	4.0	7
269	Mapping compositional diversity on the surface of Mars: The Spectral Variance Index. Journal of Geophysical Research, 2006, 111, .	3.3	7
270	First In Situ Evidence of Mars Nonthermal Exosphere. Geophysical Research Letters, 2019, 46, 4144-4150.	4.0	7

#	Article	IF	Citations
271	Foreshock Cavities at Venus and Mars. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028023.	2.4	7
272	First Detection of Kilometerâ€Scale Density Irregularities in the Martian Ionosphere. Geophysical Research Letters, 2020, 47, e2020GL090906.	4.0	7
273	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
274	Variability of Precipitating Ion Fluxes During the September 2017 Event at Mars. Journal of Geophysical Research: Space Physics, 2019, 124, 420-432.	2.4	6
275	Influence of the Solar Wind Dynamic Pressure on the Ion Precipitation: MAVEN Observations and Simulation Results. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028183.	2.4	6
276	The Magnetic Structure of the Subsolar MPB Current Layer From MAVEN Observations: Implications for the Hall Electric Force. Geophysical Research Letters, 2020, 47, e2020GL089230.	4.0	6
277	Estimate of the D/H Ratio in the Martian Upper Atmosphere from the Low Spectral Resolution Mode of MAVEN/IUVS. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006814.	3.6	6
278	Discrete Aurora on the Nightside of Mars: Occurrence Location and Probability. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	6
279	The Origins of Longâ€Term Variability in Martian Upper Atmospheric Densities. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	6
280	MAVEN observations of the Mars upper atmosphere, ionosphere, and solar wind interactions. Journal of Geophysical Research: Space Physics, 2017, 122, 9552-9553.	2.4	5
281	Influence of Extreme Ultraviolet Irradiance Variations on the Precipitating Ion Flux From MAVEN Observations. Geophysical Research Letters, 2019, 46, 7761-7768.	4.0	5
282	Out on a Limb: Martian Atmospheric Dust Opacity during the Past Hundred Years. Icarus, 1995, 117, 352-357.	2.5	4
283	Effect of the planet shine on the corona: Application to the Martian hot oxygen. Journal of Geophysical Research: Space Physics, 2016, 121, 11,413.	2.4	4
284	Test Particle Model Predictions of SEP Electron Transport and Precipitation at Mars. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029132.	2.4	4
285	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
286	MAVEN Navigation During the First Mars Year of the Science Mission. , 2016, , .		3
287	LyÎ± Observations of Comet C/2013 A1 (Siding Spring) Using MAVEN IUVS Echelle. Astronomical Journal, 2020, 160, 10.	4.7	3
288	Energetic Neutral Atoms near Mars: Predicted Distributions Based on MAVEN Measurements. Astrophysical Journal, 2022, 927, 11.	4.5	2

#	Article	IF	Citations
289	Planetary science, astrobiology, and the role of science and exploration in society. Eos, 2000, 81, 58.	0.1	1
290	Navigation Design and Operations of MAVEN Aerobraking. , 2020, , .		1
291	MAVEN Orbital Trajectory Analysis: Design and Implementation of Lander Relay Support. , 2020, , .		1
292	Quick-look estimates of ionospheric properties from radio occultation data. Advances in Space Research, 2021, 68, 2038-2049.	2.6	1
293	Rock size-frequency distributions on Mars and implications for Mars Exploration Rover landing safety and operations. , 2003, .		1
294	Fourth International Mars Conference. Eos, 1989, 70, 552.	0.1	0
295	Bibring Receives 2009 Whipple Award. Eos, 2010, 91, 217-217.	0.1	0
296	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
297	How did Mars lose its atmosphere and water?. Physics Today, 2022, 75, 62-63.	0.3	0