J E Connerney

List of Publications by Year
in descending order

309	19,712	10986 71	14759 127
papers	citations	h-index	g-index

351	351	351	4840
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global Distribution of Crustal Magnetization Discovered by the Mars Global Surveyor MAG/ER Experiment. Science, 1999, 284, 790-793.	12.6	914
2	Magnetic Field and Plasma Observations at Mars: Initial Results of the Mars Global Surveyor Mission. Science, 1998, 279, 1676-1680.	12.6	670
3	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. Space Science Reviews, 2015, 195, 3-48.	8.1	563
4	Magnetic Lineations in the Ancient Crust of Mars. Science, 1999, 284, 794-798.	12.6	462
5	New models of Jupiter's magnetic field constrained by the Io flux tube footprint. Journal of Geophysical Research, 1998, 103, 11929-11939.	3.3	384
6	The MAVEN Magnetic Field Investigation. Space Science Reviews, 2015, 195, 257-291.	8.1	371
7	Modeling the Jovian current sheet and inner magnetosphere. Journal of Geophysical Research, 1981, 86, 8370-8384.	3.3	363
8	Magnetic Fields at Uranus. Science, 1986, 233, 85-89.	12.6	353
9	Probing Mars' crustal magnetic field and ionosphere with the MGS Electron Reflectometer. Journal of Geophysical Research, 2001, 106, 23419-23427.	3.3	305
10	Magnetic field of Mars: Summary of results from the aerobraking and mapping orbits. Journal of Geophysical Research, 2001, 106, 23403-23417.	3.3	301
11	The solar wind interaction with Mars: Locations and shapes of the bow shock and the magnetic pile-up boundary from the observations of the MAG/ER Experiment onboard Mars Global Surveyor. Geophysical Research Letters, 2000, 27, 49-52.	4.0	300
12	Comparing Jupiter interior structure models to Juno gravity measurements and the role of a dilute core. Geophysical Research Letters, 2017, 44, 4649-4659.	4.0	265
13	Magnetic Fields at Neptune. Science, 1989, 246, 1473-1478.	12.6	259
14	A New Model of Jupiter's Magnetic Field From Juno's First Nine Orbits. Geophysical Research Letters, 2018, 45, 2590-2596.	4.0	258
15	Tectonic implications of Mars crustal magnetism. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14970-14975.	7.1	254
16	The global magnetic field of Mars and implications for crustal evolution. Geophysical Research Letters, 2001, 28, 4015-4018.	4.0	248
17	Images of Excited H3+ at the Foot of the Io Flux Tube in Jupiter's Atmosphere. Science, 1993, 262, 1035-1038.	12.6	236
18	Jupiterâ€™s interior and deep atmosphere: The initial pole-to-pole passes with the Juno spacecraft. Science, 2017, 356, 821-825.	12.6	229

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19	Magnetic fields of the outer planets. Journal of Geophysical Research, 1993, 98, 18659-18679.	3.3	225
20	The Juno Mission. Space Science Reviews, 2017, 213, 5-37.	8.1	222
21	Crossing the Termination Shock into the Heliosheath: Magnetic Fields. Science, 2005, 309, 2027-2029.	12.6	220
22	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
23	The Juno Magnetic Field Investigation. Space Science Reviews, 2017, 213, 39-138.	8.1	209
24	Magnetic fields at the solar wind termination shock. Nature, 2008, 454, 75-77.	27.8	205
25	Ultraviolet emissions from the magnetic footprints of Io, Ganymede and Europa on Jupiter. Nature, 2002, 415, 997-1000.	27.8	203
26	Magnetic Field Studies by Voyager 1: Preliminary Results at Saturn. Science, 1981, 212, 211-217.	12.6	196
27	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
28	Far-Ultraviolet Imaging of Jupiter's Aurora and the Io "Footprint". Science, 1996, 274, 404-409.	12.6	189
29	Jupiterâ€™s atmospheric jet streams extend thousands of kilometres deep. Nature, 2018, 555, 223-226.	27.8	189
30	Measurement of Jupiterâ€™s asymmetric gravity field. Nature, 2018, 555, 220-222.	27.8	177
31	Martian magnetic morphology: Contributions from the solar wind and crust. Journal of Geophysical Research, 2003, 108, .	3.3	174
32	Hubble Space Telescope imaging of Jupiter's UV aurora during the Galileo orbiter mission. Journal of Geophysical Research, 1998, 103, 20217-20236.	3.3	170
33	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	12.6	166
34	A suppression of differential rotation in Jupiterâ€™s deep interior. Nature, 2018, 555, 227-230.	27.8	165
35	Magnetospheric Science Objectives of the Juno Mission. Space Science Reviews, 2017, 213, 219-287.	8.1	163
36	Zonal harmonic model of Saturn's magnetic field from Voyager 1 and 2 observations. Nature, 1982, 298, 44-46.	27.8	156

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37	Morphological differences between Saturn's ultraviolet aurorae and those of Earth and Jupiter. Nature, 2005, 433, 717-719.	27.8	155
38	Currents in Saturn's magnetosphere. Journal of Geophysical Research, 1983, 88, 8779-8789.	3.3	154
39	Strong plume fluxes at Mars observed by MAVEN: An important planetary ion escape channel. Geophysical Research Letters, 2015, 42, 8942-8950.	4.0	143
40	New model of Saturn's ionosphere with an influx of water from the rings. Nature, 1984, 312, 136-138.	27.8	140
41	The magnetic field of Uranus. Journal of Geophysical Research, 1987, 92, 15329-15336.	3.3	129
42	The magnetic field of Neptune. Journal of Geophysical Research, 1991, 96, 19023-19042.	3.3	120
43	Jupiter's magnetic field and magnetosphere. , 1983, , 1-50.		116
44	Mars Observer magnetic fields investigation. Journal of Geophysical Research, 1992, 97, 7799-7814.	3.3	115
45	The spatial distribution of planetary ion fluxes near Mars observed by MAVEN. Geophysical Research Letters, 2015, 42, 9142-9148.	4.0	115
46	Venus-like interaction of the solar wind with Mars. Geophysical Research Letters, 1999, 26, 2685-2688.	4.0	114
47	Jupiterâ€™s magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. Science, 2017, 356, 826-832.	12.6	109
48	Magnetic Field Studies by Voyager 2: Preliminary Results at Saturn. Science, 1982, 215, 558-563.	12.6	107
49	Observations of low-frequency electromagnetic plasma waves upstream from the Martian shock. Journal of Geophysical Research, 2002, 107, SMP 9-1.	3.3	107
50	Martian lowâ€altitude magnetic topology deduced from MAVEN/SWEA observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1831-1852.	2.4	107
51	Detailed study of FUV Jovian auroral features with the post-COSTAR HST faint object camera. Journal of Geophysical Research, 1998, 103, 20195-20215.	3.3	103
52	First results of the <scp>MAVEN</scp> magnetic field investigation. Geophysical Research Letters, 2015, 42, 8819-8827.	4.0	102
53	The magnetic field of Jupiter: A generalized inverse approach. Journal of Geophysical Research, 1981, 86, 7679-7693.	3.3	100
54	Observations of the latitude dependence of the location of the martian magnetic pileup boundary. Geophysical Research Letters, 2002, 29, 11-1-11-4.	4.0	100

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55	Effects of magnetic anomalies discovered at Mars on the structure of the Martian ionosphere and solar wind interaction as follows from radio occultation experiments. Journal of Geophysical Research, 2000, 105, 15991-16004.	3.3	95
56	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	12.6	90
57	Juno observations of energetic charged particles over Jupiter's polar regions: Analysis of monodirectional and bidirectional electron beams. Geophysical Research Letters, 2017, 44, 4410-4418.	4.0	90
58	Clusters of cyclones encircling Jupiterâ€™s poles. Nature, 2018, 555, 216-219.	27.8	90
59	Magnetic field draping enhancement at the Martian magnetic pileup boundary from Mars global surveyor observations. Geophysical Research Letters, 2003, 30, .	4.0	89
60	Auroral evidence of a localized magnetic anomaly in Jupiter's northern hemisphere. Journal of Geophysical Research, 2008, 113, .	3.3	89
61	Oxygen auger electrons observed in Mars' ionosphere. Geophysical Research Letters, 2000, 27, 1871-1874.	4.0	88
62	Mars Crustal Magnetism. Space Science Reviews, 2004, 111, 1-32.	8.1	82
63	Saturn's ring current and inner magnetosphere. Nature, 1981, 292, 724-726.	27.8	81
64	Atmospheric storm explanation of saturnian electrostatic discharges. Nature, 1983, 303, 50-53.	27.8	81
65	Solar Wind Control of Jupiter's H+3Auroras. Icarus, 1996, 120, 437-442.	2.5	79
66	Discrete and broadband electron acceleration in Jupiterâ€™s powerful aurora. Nature, 2017, 549, 66-69.	27.8	79
67	MAVEN observations of solar wind hydrogen deposition in the atmosphere of Mars. Geophysical Research Letters, 2015, 42, 8901-8909.	4.0	78
68	Structure of the magnetic field fluxes connected with crustal magnetization and topside ionosphere at Mars. Journal of Geophysical Research, 2002, 107, SIA 2-1.	3.3	77
69	Emission Source Model of Jupiter's H+3Aurorae: A Generalized Inverse Analysis of Images. Icarus, 1996, 122, 1-23.	2.5	75
70	Mariner 10 observations of field-aligned currents at Mercury. Planetary and Space Science, 1997, 45, 133-141.	1.7	75
71	Jupiter gravity field estimated from the first two Juno orbits. Geophysical Research Letters, 2017, 44, 4694-4700.	4.0	74
72	Factors controlling the location of the Bow Shock at Mars. Geophysical Research Letters, 2002, 29, 42-1-42-4.	4.0	71

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73	A micrometeorite erosion model and the age of Saturn's rings. Icarus, 1987, 70, 124-137.	2.5	70
74	Voyager 1 assessment of Jupiter's planetary magnetic field. Journal of Geophysical Research, 1982, 87, 3623-3627.	3.3	68
75	Response of Jupiter's auroras to conditions in the interplanetary medium as measured by the Hubble Space Telescope and Juno. Geophysical Research Letters, 2017, 44, 7643-7652.	4.0	68
76	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
77	The Twisted Configuration of the Martian Magnetotail: MAVEN Observations. Geophysical Research Letters, 2018, 45, 4559-4568.	4.0	66
78	Saturn's ionosphere: Inferred electron densities. Journal of Geophysical Research, 1984, 89, 2371-2376.	3.3	65
79	The rotation period of Uranus. Nature, 1986, 322, 42-43.	27.8	64
80	Flows, Fields, and Forces in the Marsâ€Solar Wind Interaction. Journal of Geophysical Research: Space Physics, 2017, 122, 11,320.	2.4	64
81	A complex dynamo inferred from the hemispheric dichotomy of Jupiterâ€™s magnetic field. Nature, 2018, 561, 76-78.	27.8	64
82	A Jovian Magnetodisc Model for the Juno Era. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028138.	2.4	63
83	A global map of Mars' crustal magnetic field based on electron reflectometry. Journal of Geophysical Research, 2007, 112, .	3.3	61
84	Electron beams and loss cones in the auroral regions of Jupiter. Geophysical Research Letters, 2017, 44, 7131-7139.	4.0	61
85	The H3+ion: a remote diagnostic of the jovian magnetosphere. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 2471-2483.	3.4	60
86	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
87	A New Model of Jupiter's Magnetic Field at the Completion of Juno's Prime Mission. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	60
88	Magnetic reconnection in the nearâ€Mars magnetotail: MAVEN observations. Geophysical Research Letters, 2015, 42, 8838-8845.	4.0	59
89	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
90	The Z₃ zonal harmonic model of Saturn's magnetic field: Analyses and implications. Journal of Geophysical Research, 1983, 88, 8771-8778.	3.3	56

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91	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
92	Morphology of the UV aurorae Jupiter during Juno's first perijove observations. Geophysical Research Letters, 2017, 44, 4463-4471.	4.0	54
93	MAVEN insights into oxygen pickup ions at Mars. Geophysical Research Letters, 2015, 42, 8870-8876.	4.0	53
94	Jupiter's Aurora Observed With HST During Juno Orbits 3 to 7. Journal of Geophysical Research: Space Physics, 2018, 123, 3299-3319.	2.4	53
95	Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. Science, 2018, 361, 774-777.	12.6	53
96	An empirical scaling law for acquisition of thermoremanent magnetization. Earth and Planetary Science Letters, 2004, 226, 521-528.	4.4	52
97	Magnetotail dynamics at Mars: Initial MAVEN observations. Geophysical Research Letters, 2015, 42, 8828-8837.	4.0	52
98	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
99	Prevalent lightning sferics at 600 megahertz near Jupiterâ€™s poles. Nature, 2018, 558, 87-90.	27.8	52
100	Deep crustal electrical conductivity in the Adirondacks. Journal of Geophysical Research, 1980, 85, 2603-2614.	3.3	51
101	Magnetic connection for Saturn's rings and atmosphere. Geophysical Research Letters, 1986, 13, 773-776.	4.0	50
102	MGS MAG/ER observations at the magnetic pileup boundary of Mars: draping enhancement and low frequency waves. Advances in Space Research, 2004, 33, 1938-1944.	2.6	50
103	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
104	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. Geophysical Research Letters, 2018, 45, 1277-1285.	4.0	49
105	In Situ Observations Connected to the Io Footprint Tail Aurora. Journal of Geophysical Research E: Planets, 2018, 123, 3061-3077.	3.6	48
106	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
107	Energetic Particles and Acceleration Regions Over Jupiter's Polar Cap and Main Aurora: A Broad Overview. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027699.	2.4	47
108	Mapping crustal magnetic fields at Mars using electron reflectometry. Geophysical Research Letters, 2004, 31, .	4.0	46

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109	Time variation of Jupiterâ€™s internal magnetic field consistent with zonal wind advection. Nature Astronomy, 2019, 3, 730-735.	10.1	46
110	Magnetic Flux Ropes in the Martian Atmosphere: Global Characteristics. Space Science Reviews, 2004, 111, 223-231.	8.1	45
111	Pressure effects on martian crustal magnetization near large impact basins. Meteoritics and Planetary Science, 2004, 39, 1839-1848.	1.6	45
112	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
113	The magnetic field of Neptune. Advances in Space Research, 1992, 12, 239-248.	2.6	44
114	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
115	MGS magnetic fields and electron reflectometer investigation: Discovery of paleomagnetic fields due to crustal remanence. Advances in Space Research, 1999, 23, 1879-1886.	2.6	43
116	Ionopauseâ€like density gradients in the Martian ionosphere: A first look with MAVEN. Geophysical Research Letters, 2015, 42, 8885-8893.	4.0	42
117	Precipitating Electron Energy Flux and Characteristic Energies in Jupiter's Main Auroral Region as Measured by Juno/JEDI. Journal of Geophysical Research: Space Physics, 2018, 123, 7554-7567.	2.4	42
118	AlfvÃ©nic Fluctuations Associated With Jupiter's Auroral Emissions. Geophysical Research Letters, 2019, 46, 7157-7165.	4.0	42
119	Altitude dependence of nightside Martian suprathermal electron depletions as revealed by MAVEN observations. Geophysical Research Letters, 2015, 42, 8877-8884.	4.0	41
120	Energetic particle signatures of magnetic fieldâ€aligned potentials over Jupiter's polar regions. Geophysical Research Letters, 2017, 44, 8703-8711.	4.0	41
121	Latitudinal variation of Saturn photochemistry deduced from spatially-resolved ultraviolet spectra. Icarus, 2006, 180, 379-392.	2.5	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	The Threeâ€Dimensional Bow Shock of Mars as Observed by MAVEN. Journal of Geophysical Research: Space Physics, 2018, 123, 4542-4555.	2.4	40
124	Birkeland currents in Jupiterâ€™s magnetosphere observed by the polar-orbiting Juno spacecraft. Nature Astronomy, 2019, 3, 904-909.	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 Z₃ model of Saturn's magnetic field and the Pioneer 11 vector helium magnetometer observations. Journal of Geophysical Research, 1984, 89, 7541-7544.	3.3	38

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127	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
128	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
129	MAVEN observations of partially developed Kelvinâ€Helmholtz vortices at Mars. Geophysical Research Letters, 2016, 43, 4763-4773.	4.0	38
130	Generation of the Jovian hectometric radiation: First lessons from Juno. Geophysical Research Letters, 2017, 44, 4439-4446.	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	Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027693.	2.4	37
134	Deep crustal electrical conductivity; Evidence for water in the lower crust. Geophysical Research Letters, 1977, 4, 239-242.	4.0	36
135	Plasma clouds and snowplows: Bulk plasma escape from Mars observed by MAVEN. Geophysical Research Letters, 2016, 43, 1426-1434.	4.0	36
136	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. Geophysical Research Letters, 2017, 44, 4401-4409.	4.0	36
137	Using Magnetic Topology to Probe the Sources of Mars' Nightside Ionosphere. Geophysical Research Letters, 2018, 45, 12,190.	4.0	36
138	Survey of Ion Properties in Jupiter's Plasma Sheet: Juno JADEâ€Ÿ Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027696.	2.4	36
139	Implications of MAVEN Mars nearâ€wake measurements and models. Geophysical Research Letters, 2015, 42, 9087-9094.	4.0	35
140	Plasma measurements in the Jovian polar region with Juno/JADE. Geophysical Research Letters, 2017, 44, 7122-7130.	4.0	35
141	A new view of Jupiter's auroral radio spectrum. Geophysical Research Letters, 2017, 44, 7114-7121.	4.0	35
142	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. Journal of Geophysical Research: Space Physics, 2018, 123, 1989-1999.	2.4	35
143	Ionizing Electrons on the Martian Nightside: Structure and Variability. Journal of Geophysical Research: Space Physics, 2018, 123, 4349-4363.	2.4	35
144	Marsward and tailward ions in the nearâ€Mars magnetotail: MAVEN observations. Geophysical Research Letters, 2015, 42, 8925-8932.	4.0	34

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145	Spatial Distribution and Properties of 0.1â€“100ÂkeV Electrons in Jupiter's Polar Auroral Region. Geophysical Research Letters, 2017, 44, 9199-9207.	4.0	34
146	Waveâ€Particle Interactions Associated With Io's Auroral Footprint: Evidence of AlfvÃ©n, Ion Cyclotron, and Whistler Modes. Geophysical Research Letters, 2020, 47, e2020GL088432.	4.0	34
147	The magnetic field of Saturn: Further studies of the Pioneer 11 observations. Journal of Geophysical Research, 1980, 85, 5675-5678.	3.3	33
148	Saturn's magnetic tail: structure and dynamics. Nature, 1981, 292, 753-755.	27.8	33
149	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
150	Fieldâ€Aligned Potentials at Mars From MAVEN Observations. Geophysical Research Letters, 2018, 45, 10,119.	4.0	31
151	Jupiterâ€™s inhomogeneous envelope. Astronomy and Astrophysics, 2022, 662, A18.	5.1	31
152	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. Geophysical Research Letters, 2017, 44, 5308-5316.	4.0	30
153	Jovian bow shock and magnetopause encounters by the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4506-4512.	4.0	30
154	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
155	Electric and magnetic variations in the nearâ€Mars environment. Journal of Geophysical Research: Space Physics, 2017, 122, 8536-8559.	2.4	30
156	Europa's FUV auroral tail on Jupiter. Geophysical Research Letters, 2006, 33, .	4.0	29
157	Observations of MeV electrons in Jupiter's innermost radiation belts and polar regions by the Juno radiation monitoring investigation: Perijoves 1 and 3. Geophysical Research Letters, 2017, 44, 4481-4488.	4.0	29
158	The Juno Radiation Monitoring (RM) Investigation. Space Science Reviews, 2017, 213, 507-545.	8.1	29
159	A heavy ion and proton radiation belt inside of Jupiter's rings. Geophysical Research Letters, 2017, 44, 5259-5268.	4.0	28
160	The Martian Photoelectron Boundary as Seen by MAVEN. Journal of Geophysical Research: Space Physics, 2017, 122, 10,472.	2.4	28
161	Jovimagnetic secular variation. Nature, 1982, 297, 313-315.	27.8	27
162	Plasma waves in Jupiter's highâ€latitude regions: Observations from the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4447-4454.	4.0	27

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163	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. Nature Astronomy, 2018, 2, 544-548.	10.1	27
164	Reconnectionâ€•and Dipolarizationâ€Driven Auroral Dawn Storms and Injections. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027663.	2.4	27
165	Timeâ€dispersed ion signatures observed in the Martian magnetosphere by MAVEN. Geophysical Research Letters, 2015, 42, 8910-8916.	4.0	25
166	The effect of differential rotation on Jupiter's lowâ€degree even gravity moments. Geophysical Research Letters, 2017, 44, 5960-5968.	4.0	25
167	Junoâ€UVS approach observations of Jupiter's auroras. Geophysical Research Letters, 2017, 44, 7668-7675.	4.0	25
168	The Induced Magnetosphere of Mars: Asymmetrical Topology of the Magnetic Field Lines. Geophysical Research Letters, 2019, 46, 12722-12730.	4.0	25
169	A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. Geophysical Research Letters, 2020, 47, e2020GL089267.	4.0	25
170	AlfvÃ©nic Acceleration Sustains Ganymede's Footprint Tail Aurora. Geophysical Research Letters, 2020, 47, e2019GL086527.	4.0	25
171	Plasma environment at the dawn flank of Jupiter's magnetosphere: Juno arrives at Jupiter. Geophysical Research Letters, 2017, 44, 4432-4438.	4.0	24
172	Structure and Variability of the Martian Ion Composition Boundary Layer. Journal of Geophysical Research: Space Physics, 2018, 123, 8439-8458.	2.4	24
173	Ioâ€Jupiter decametric arcs observed by Juno/Waves compared to ExPRES simulations. Geophysical Research Letters, 2017, 44, 9225-9232.	4.0	22
174	The analysis of initial Juno magnetometer data using a sparse magnetic field representation. Geophysical Research Letters, 2017, 44, 4687-4693.	4.0	22
175	Contemporaneous Observations of Jovian Energetic Auroral Electrons and Ultraviolet Emissions by the Juno Spacecraft. Journal of Geophysical Research: Space Physics, 2019, 124, 8298-8317.	2.4	22
176	Observations of the chemical and thermal response of â€˜ring rainâ€™ on Saturnâ€™s ionosphere. Icarus, 2019, 322, 251-260.	2.5	22
177	Topology of Saturn's main magnetic field. Nature, 1981, 292, 721-724.	27.8	21
178	Interpretation of Auroral â€œLightcurvesâ€•with Application to Jovian H+3Emissions. Icarus, 1996, 122, 24-35.	2.5	21
179	Multispectral observations of Jupiter's aurora. Advances in Space Research, 2000, 26, 1453-1475.	2.6	21
180	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. Geophysical Research Letters, 2017, 44, 4419-4425.	4.0	21

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181	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
182	Solar Wind Deflection by Mass Loading in the Martian Magnetosheath Based on MAVEN Observations. Geophysical Research Letters, 2018, 45, 2574-2579.	4.0	21
183	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
184	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. Geophysical Research Letters, 2018, 45, 9372-9379.	4.0	21
185	Magnetotail Reconnection at Jupiter: A Survey of Juno Magnetic Field Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027486.	2.4	21
186	A hot flow anomaly at Mars. Geophysical Research Letters, 2015, 42, 9121-9127.	4.0	20
187	Preliminary results on the composition of Jupiter's troposphere in hot spot regions from the JIRAM/Juno instrument. Geophysical Research Letters, 2017, 44, 4615-4624.	4.0	20
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