J E Connerney

List of Publications by Year
in descending order

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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	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
2	Jupiterâ€™s inhomogeneous envelope. Astronomy and Astrophysics, 2022, 662, A18.	5.1	31
3	A Comprehensive Set of Juno In Situ and Remote Sensing Observations of the Ganymede Auroral Footprint. Geophysical Research Letters, 2022, 49, .	4.0	8
4	Loss of Energetic Ions Comprising the Ring Current Populations of Jupiter's Middle and Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	4
5	Juno Plasma Wave Observations at Ganymede. Geophysical Research Letters, 2022, 49, .	4.0	13
6	Differential Rotation in Jupiter's Interior Revealed by Simultaneous Inversion for the Magnetic Field and Zonal Flux Velocity. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	16
7	Plasma Observations During the 7 June 2021 Ganymede Flyby From the Jovian Auroral Distributions Experiment (JADE) on Juno. Geophysical Research Letters, 2022, 49, .	4.0	16
8	Distribution of Interplanetary Dust Detected by the Juno Spacecraft and Its Contribution to the Zodiacal Light. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006509.	3.6	18
9	Juno Observations of Ionâ€Inertial Scale Flux Ropes in the Jovian Magnetotail. Geophysical Research Letters, 2021, 48, e2020GL089721.	4.0	3
10	Proton Outflow Associated With Jupiter's Auroral Processes. Geophysical Research Letters, 2021, 48, .	4.0	13
11	Detection of a Bolide in Jupiter's Atmosphere With Juno UVS. Geophysical Research Letters, 2021, 48, e2020GL091797.	4.0	9
12	Detection and Characterization of Circular Expanding UVâ€Emissions Observed in Jupiter's Polar Auroral Regions. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028971.	2.4	4
13	Energy Spectra Near Ganymede From Juno Data. Geophysical Research Letters, 2021, 48, e2021GL093021.	4.0	10
14	High Latitude Zones of GeV Heavy Ions at the Inner Edge of Jupiter's Relativistic Electron Belt. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006772.	3.6	3
15	Jupiter's Doubleâ€Arc Aurora as a Signature of Magnetic Reconnection: Simultaneous Observations From HST and Juno. Geophysical Research Letters, 2021, 48, e2021GL093964.	4.0	3
16	Survey of Juno Observations in Jupiter's Plasma Disk: Density. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029446.	2.4	15
17	The Highâ€Latitude Extension of Jupiter's Io Torus: Electron Densities Measured by Juno Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029195.	2.4	12
18	Global upper-atmospheric heating on Jupiter by the polar aurorae. Nature, 2021, 596, 54-57.	27.8	16

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19	Electron Partial Density and Temperature Over Jupiter's Main Auroral Emission Using Juno Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029426.	2.4	11
20	Simultaneous UV Images and Highâ€Latitude Particle and Field Measurements During an Auroral Dawn Storm at Jupiter. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029679.	2.4	3
21	Local Time Dependence of Jupiter's Polar Auroral Emissions Observed by Juno UVS. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006954.	3.6	9
22	Proton Acceleration by Io's AlfvÃ©nic Interaction. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027314.	2.4	18
23	A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. Geophysical Research Letters, 2020, 47, e2020GL089267.	4.0	25
24	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
25	A Kâ€Means Clustering Analysis of the Jovian and Terrestrial Magnetopauses: A Technique to Classify Global Magnetospheric Behavior. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006366.	3.6	4
26	Reconnectionâ€and Dipolarizationâ€Driven Auroral Dawn Storms and Injections. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027663.	2.4	27
27	Possible Transient Luminous Events Observed in Jupiter's Upper Atmosphere. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006659.	3.6	13
28	Analysis of Eddy Current Generation on the Juno Spacecraft in Jupiter's Magnetosphere. Earth and Space Science, 2020, 7, e2019EA001061.	2.6	6
29	A Jovian Magnetodisc Model for the Juno Era. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028138.	2.4	63
30	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. Geophysical Research Letters, 2020, 47, e2020GL089732.	4.0	17
31	Juno Energetic Neutral Atom (ENA) Remote Measurements of Magnetospheric Injection Dynamics in Jupiter's Io Torus Regions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027964.	2.4	11
32	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
33	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
34	Magnetotail Reconnection at Jupiter: A Survey of Juno Magnetic Field Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027486.	2.4	21
35	Juno Waves Detection of Dust Impacts Near Jupiter. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006367.	3.6	8
36	Juno Reveals New Insights Into Ioâ€Related Decameter Radio Emissions. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006415.	3.6	4

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37	AlfvÃ©nic Acceleration Sustains Ganymede's Footprint Tail Aurora. Geophysical Research Letters, 2020, 47, e2019GL086527.	4.0	25
38	Survey of Ion Properties in Jupiter's Plasma Sheet: Juno JADEâ€ Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027696.	2.4	36
39	Juno In Situ Observations Above the Jovian Equatorial Ionosphere. Geophysical Research Letters, 2020, 47, e2020GL087623.	4.0	5
40	Energetic Proton Acceleration Associated With Io's Footprint Tail. Geophysical Research Letters, 2020, 47, e2020GL090839.	4.0	16
41	Energetic Neutral Atoms From Jupiter's Polar Regions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028697.	2.4	2
42	Thermoelastic Response of the Juno Spacecraft's Solar Array/Magnetometer Boom and Its Applicability to Improved Magnetic Field Investigation. Earth and Space Science, 2020, 7, e2020EA001338.	2.6	2
43	AlfvÃ©nic Fluctuations Associated With Jupiter's Auroral Emissions. Geophysical Research Letters, 2019, 46, 7157-7165.	4.0	42
44	Jovian Highâ€Latitude Ionospheric Ions: Juno In Situ Observations. Geophysical Research Letters, 2019, 46, 8663-8670.	4.0	16
45	Pressure Gradients Driving Ion Transport in the Topside Martian Atmosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 6117-6126.	2.4	9
46	Investigation of Massâ€/Chargeâ€Dependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. Journal of Geophysical Research: Space Physics, 2019, 124, 5539-5567.	2.4	15
47	Birkeland currents in Jupiterâ€™s magnetosphere observed by the polar-orbiting Juno spacecraft. Nature Astronomy, 2019, 3, 904-909.	10.1	40
48	Junoâ€UVS Observation of the Io Footprint During Solar Eclipse. Journal of Geophysical Research: Space Physics, 2019, 124, 5184-5199.	2.4	19
49	Expansion and Shrinking of the Martian Topside Ionosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 9725-9738.	2.4	16
50	The Induced Magnetosphere of Mars: Asymmetrical Topology of the Magnetic Field Lines. Geophysical Research Letters, 2019, 46, 12722-12730.	4.0	25
51	Reduced Atmospheric Ion Escape Above Martian Crustal Magnetic Fields. Geophysical Research Letters, 2019, 46, 11764-11772.	4.0	16
52	The Relationship Between Photoelectron Boundary and Steep Electron Density Gradient on Mars: MAVEN Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 8015-8022.	2.4	10
53	H3+ characteristics in the Jupiter atmosphere as observed at limb with Juno/JIRAM. Icarus, 2019, 329, 132-139.	2.5	11
54	Evidence for low density holes in Jupiterâ€™s ionosphere. Nature Communications, 2019, 10, 2751.	12.8	4

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55	Time variation of Jupiterâ€™s internal magnetic field consistent with zonal wind advection. Nature Astronomy, 2019, 3, 730-735.	10.1	46
56	Model of Jupiter's Current Sheet With a Piecewise Current Density. Journal of Geophysical Research: Space Physics, 2019, 124, 1843-1854.	2.4	16
57	Probing Jovian Broadband Kilometric Radio Sources Tied to the Ultraviolet Main Auroral Oval With Juno. Geophysical Research Letters, 2019, 46, 571-579.	4.0	10
58	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
59	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
60	Jovian UV Aurora's Response to the Solar Wind: Hisaki EXCEED and Juno Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 10209-10218.	2.4	9
61	Jovian Auroral Radio Sources Detected In Situ by Juno/Waves: Comparisons With Model Auroral Ovals and Simultaneous HST FUV Images. Geophysical Research Letters, 2019, 46, 11606-11614.	4.0	15
62	Survey of Jupiter's Dawn Magnetosheath Using Juno. Journal of Geophysical Research: Space Physics, 2019, 124, 9106-9123.	2.4	16
63	Observations of the chemical and thermal response of â€˜ring rainâ€™ on Saturnâ€™s ionosphere. Icarus, 2019, 322, 251-260.	2.5	22
64	Comparing Electron Energetics and UV Brightness in Jupiter's Northern Polar Region During Juno Perijove 5. Geophysical Research Letters, 2019, 46, 19-27.	4.0	18
65	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
66	Clusters of cyclones encircling Jupiterâ€™s poles. Nature, 2018, 555, 216-219.	27.8	90
67	A suppression of differential rotation in Jupiterâ€™s deep interior. Nature, 2018, 555, 227-230.	27.8	165
68	Measurement of Jupiterâ€™s asymmetric gravity field. Nature, 2018, 555, 220-222.	27.8	177
69	Jupiterâ€™s atmospheric jet streams extend thousands of kilometres deep. Nature, 2018, 555, 223-226.	27.8	189
70	Correlations between enhanced electron temperatures and electric field wave power in the Martian ionosphere. Geophysical Research Letters, 2018, 45, 493-501.	4.0	9
71	Pitch Angle Scattering of Upgoing Electron Beams in Jupiter's Polar Regions by Whistler Mode Waves. Geophysical Research Letters, 2018, 45, 1246-1252.	4.0	17
72	A New Model of Jupiter's Magnetic Field From Juno's First Nine Orbits. Geophysical Research Letters, 2018, 45, 2590-2596.	4.0	258

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73	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
74	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. Journal of Geophysical Research: Space Physics, 2018, 123, 1989-1999.	2.4	35
75	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. Geophysical Research Letters, 2018, 45, 1277-1285.	4.0	49
76	Solar Wind Deflection by Mass Loading in the Martian Magnetosheath Based on MAVEN Observations. Geophysical Research Letters, 2018, 45, 2574-2579.	4.0	21
77	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
78	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
79	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
80	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
81	Structure and Variability of the Martian Ion Composition Boundary Layer. Journal of Geophysical Research: Space Physics, 2018, 123, 8439-8458.	2.4	24
82	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
83	Bar Code Events in the Junoâ€UVS Data: Signature â¼10ÂMeV Electron Microbursts at Jupiter. Geophysical Research Letters, 2018, 45, 12,108.	4.0	14
84	Using Magnetic Topology to Probe the Sources of Mars' Nightside Ionosphere. Geophysical Research Letters, 2018, 45, 12,190.	4.0	36
85	Fieldâ€Aligned Potentials at Mars From MAVEN Observations. Geophysical Research Letters, 2018, 45, 10,119.	4.0	31
86	The Threeâ€Dimensional Bow Shock of Mars as Observed by MAVEN. Journal of Geophysical Research: Space Physics, 2018, 123, 4542-4555.	2.4	40
87	In Situ Observations Connected to the Io Footprint Tail Aurora. Journal of Geophysical Research E: Planets, 2018, 123, 3061-3077.	3.6	48
88	Juno Constraints on the Formation of Jupiter's Magnetospheric Cushion Region. Geophysical Research Letters, 2018, 45, 9427-9434.	4.0	6
89	A complex dynamo inferred from the hemispheric dichotomy of Jupiterâ€™s magnetic field. Nature, 2018, 561, 76-78.	27.8	64
90	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. Geophysical Research Letters, 2018, 45, 9372-9379.	4.0	21

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91	Concurrent ultraviolet and infrared observations of the north Jovian aurora during Juno's first perijove. Icarus, 2018, 312, 145-156.	2.5	18
92	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
93	Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. Science, 2018, 361, 774-777.	12.6	53
94	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
95	The Twisted Configuration of the Martian Magnetotail: MAVEN Observations. Geophysical Research Letters, 2018, 45, 4559-4568.	4.0	66
96	Identification of Jupiterâ€™s magnetic equator through H3+ ionospheric emission. Nature Astronomy, 2018, 2, 773-777.	10.1	17
97	Ionizing Electrons on the Martian Nightside: Structure and Variability. Journal of Geophysical Research: Space Physics, 2018, 123, 4349-4363.	2.4	35
98	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. Nature Astronomy, 2018, 2, 544-548.	10.1	27
99	Prevalent lightning sferics at 600 megahertz near Jupiterâ€™s poles. Nature, 2018, 558, 87-90.	27.8	52
100	Martian lowâ€altitude magnetic topology deduced from MAVEN/SWEA observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1831-1852.	2.4	107
101	Martian electron foreshock from MAVEN observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1531-1541.	2.4	12
102	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
103	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
104	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
105	The Great Cold Spot in Jupiter's upper atmosphere. Geophysical Research Letters, 2017, 44, 3000-3008.	4.0	7
106	The Juno Magnetic Field Investigation. Space Science Reviews, 2017, 213, 39-138.	8.1	209
107	Ioâ€Jupiter decametric arcs observed by Juno/Waves compared to ExPRES simulations. Geophysical Research Letters, 2017, 44, 9225-9232.	4.0	22
108	Statistical study of latitudinal beaming of Jupiter's decametric radio emissions using Juno. Geophysical Research Letters, 2017, 44, 4584-4590.	4.0	7

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109	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
110	Jupiterâ€™s interior and deep atmosphere: The initial pole-to-pole passes with the Juno spacecraft. Science, 2017, 356, 821-825.	12.6	229
111	Jupiterâ€™s magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. Science, 2017, 356, 826-832.	12.6	109
112	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
113	Plasma waves in Jupiter's highâ€latitude regions: Observations from the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4447-4454.	4.0	27
114	Observations of interplanetary dust by the Juno magnetometer investigation. Geophysical Research Letters, 2017, 44, 4701-4708.	4.0	9
115	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
116	Jupiter gravity field estimated from the first two Juno orbits. Geophysical Research Letters, 2017, 44, 4694-4700.	4.0	74
117	The effect of differential rotation on Jupiter's lowâ€degree even gravity moments. Geophysical Research Letters, 2017, 44, 5960-5968.	4.0	25
118	Plasma measurements in the Jovian polar region with Juno/JADE. Geophysical Research Letters, 2017, 44, 7122-7130.	4.0	35
119	Juno/JEDI observations of 0.01 to >10ÂMeV energetic ions in the Jovian auroral regions: Anticipating a source for polar Xâ€ray emission. Geophysical Research Letters, 2017, 44, 6476-6482.	4.0	16
120	Plasma environment at the dawn flank of Jupiter's magnetosphere: Juno arrives at Jupiter. Geophysical Research Letters, 2017, 44, 4432-4438.	4.0	24
121	Hot flow anomaly observed at Jupiter's bow shock. Geophysical Research Letters, 2017, 44, 8107-8112.	4.0	17
122	First look at Jupiter's synchrotron emission from Juno's perspective. Geophysical Research Letters, 2017, 44, 8676-8684.	4.0	10
123	A heavy ion and proton radiation belt inside of Jupiter's rings. Geophysical Research Letters, 2017, 44, 5259-5268.	4.0	28
124	Searching for low-altitude magnetic field anomalies by using observations of the energetic particle loss cone on JUNO. Geophysical Research Letters, 2017, 44, 4472-4480.	4.0	3
125	Generation of the Jovian hectometric radiation: First lessons from Juno. Geophysical Research Letters, 2017, 44, 4439-4446.	4.0	38
126	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

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127	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. Geophysical Research Letters, 2017, 44, 4419-4425.	4.0	21
128	Latitudinal beaming of Jovian decametric radio emissions as viewed from Juno and the NanÃ§ay Decameter Array. Geophysical Research Letters, 2017, 44, 4455-4462.	4.0	11
129	Radiation near Jupiter detected by Juno/JEDI during PJ1 and PJ3. Geophysical Research Letters, 2017, 44, 4426-4431.	4.0	10
130	Preliminary JIRAM results from Juno polar observations: 2. Analysis of the Jupiter southern H₃⁺ emissions and comparison with the north aurora. Geophysical Research Letters, 2017, 44, 4633-4640.	4.0	20
131	Preliminary JIRAM results from Juno polar observations: 1. Methodology and analysis applied to the Jovian northern polar region. Geophysical Research Letters, 2017, 44, 4625-4632.	4.0	18
132	Characterization of the white ovals on Jupiter's southern hemisphere using the first data by the Juno/JIRAM instrument. Geophysical Research Letters, 2017, 44, 4660-4668.	4.0	15
133	Electron butterfly distributions at particular magnetic latitudes observed during Juno's perijove pass. Geophysical Research Letters, 2017, 44, 4489-4496.	4.0	6
134	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
135	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
136	Morphology of the UV aurorae Jupiter during Juno's first perijove observations. Geophysical Research Letters, 2017, 44, 4463-4471.	4.0	54
137	The analysis of initial Juno magnetometer data using a sparse magnetic field representation. Geophysical Research Letters, 2017, 44, 4687-4693.	4.0	22
138	Variability of Jupiter's IR H₃⁺ aurorae during Juno approach. Geophysical Research Letters, 2017, 44, 4513-4522.	4.0	14
139	Jovian bow shock and magnetopause encounters by the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4506-4512.	4.0	30
140	Electron beams and loss cones in the auroral regions of Jupiter. Geophysical Research Letters, 2017, 44, 7131-7139.	4.0	61
141	Junoâ€UVS approach observations of Jupiter's auroras. Geophysical Research Letters, 2017, 44, 7668-7675.	4.0	25
142	Preliminary JIRAM results from Juno polar observations: 3. Evidence of diffuse methane presence in the Jupiter auroral regions. Geophysical Research Letters, 2017, 44, 4641-4648.	4.0	13
143	MAVEN observations of tail current sheet flapping at Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 4308-4324.	2.4	37
144	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. Geophysical Research Letters, 2017, 44, 4401-4409.	4.0	36

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145	A new view of Jupiter's auroral radio spectrum. Geophysical Research Letters, 2017, 44, 7114-7121.	4.0	35
146	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
147	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
148	Understanding the Origin of Jupiter's Diffuse Aurora Using Juno's First Perijove Observations. Geophysical Research Letters, 2017, 44, 10,162.	4.0	17
149	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
150	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
151	The Martian Photoelectron Boundary as Seen by MAVEN. Journal of Geophysical Research: Space Physics, 2017, 122, 10,472.	2.4	28
152	Energetic particle signatures of magnetic fieldâ€aligned potentials over Jupiter's polar regions. Geophysical Research Letters, 2017, 44, 8703-8711.	4.0	41
153	Discrete and broadband electron acceleration in Jupiterâ€™s powerful aurora. Nature, 2017, 549, 66-69.	27.8	79
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	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
157	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
158	Flows, Fields, and Forces in the Marsâ€Solar Wind Interaction. Journal of Geophysical Research: Space Physics, 2017, 122, 11,320.	2.4	64
159	MAVEN Observations of Ionospheric Irregularities at Mars. Geophysical Research Letters, 2017, 44, 10,845.	4.0	16
160	The Juno Mission. Space Science Reviews, 2017, 213, 5-37.	8.1	222
161	Directionâ€finding measurements of Jovian lowâ€frequency radio components by Juno near Perijove 1. Geophysical Research Letters, 2017, 44, 6508-6516.	4.0	14
162	The Juno Radiation Monitoring (RM) Investigation. Space Science Reviews, 2017, 213, 507-545.	8.1	29

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163	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
164	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
165	Juno observations of largeâ€scale compressions of Jupiter's dawnside magnetopause. Geophysical Research Letters, 2017, 44, 7559-7568.	4.0	20
166	Redetection of the Ionospheric Signature of Saturn's â€œRing Rainâ€• Geophysical Research Letters, 2017, 44, 11,762.	4.0	16
167	The interplanetary magnetic field observed by Juno enroute to Jupiter. Geophysical Research Letters, 2017, 44, 5936-5942.	4.0	7
168	Editorial: Topical Collection of the Juno Mission Science Objectives, Instruments, and Implementation. Space Science Reviews, 2017, 213, 1-3.	8.1	8
169	Magnetospheric Science Objectives of the Juno Mission. Space Science Reviews, 2017, 213, 219-287.	8.1	163
170	Response of the Martian ionosphere to solar activity including SEPs and ICMEs in a two-week period starting on 25 February 2015. Planetary and Space Science, 2017, 145, 28-37.	1.7	13
171	The Juno Mission. , 2017, , 5-37.		4
172	The Juno Magnetic Field Investigation. , 2017, , 171-270.		1
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