

S J Bolton

List of Publications by Year in descending order

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256
papers

9,508
citations

50276

46
h-index

54911

84
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277
all docs

277
docs citations

277
times ranked

3600
citing authors

#	ARTICLE	IF	CITATIONS
1	Cassini Plasma Spectrometer Investigation. <i>Space Science Reviews</i> , 2004, 114, 1-112.	8.1	452
2	Cassini finds molecular hydrogen in the Enceladus plume: Evidence for hydrothermal processes. <i>Science</i> , 2017, 356, 155-159.	12.6	396
3	Composition and Dynamics of Plasma in Saturn's Magnetosphere. <i>Science</i> , 2005, 307, 1262-1266.	12.6	281
4	Comparing Jupiter interior structure models to Juno gravity measurements and the role of a dilute core. <i>Geophysical Research Letters</i> , 2017, 44, 4649-4659.	4.0	265
5	A New Model of Jupiter's Magnetic Field From Juno's First Nine Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 2590-2596.	4.0	258
6	Jupiter's interior and deep atmosphere: The initial pole-to-pole passes with the Juno spacecraft. <i>Science</i> , 2017, 356, 821-825.	12.6	229
7	The Juno Mission. <i>Space Science Reviews</i> , 2017, 213, 5-37.	8.1	222
8	Jupiter's atmospheric jet streams extend thousands of kilometres deep. <i>Nature</i> , 2018, 555, 223-226.	27.8	189
9	Plasma Observations at Io with the Galileo Spacecraft. <i>Science</i> , 1996, 274, 394-395.	12.6	184
10	Measurement of Jupiter's asymmetric gravity field. <i>Nature</i> , 2018, 555, 220-222.	27.8	177
11	Control of Jupiter's radio emission and aurorae by the solar wind. <i>Nature</i> , 2002, 415, 985-987.	27.8	171
12	Dynamics of Saturn's Magnetosphere from MIMI During Cassini's Orbital Insertion. <i>Science</i> , 2005, 307, 1270-1273.	12.6	166
13	A suppression of differential rotation in Jupiter's deep interior. <i>Nature</i> , 2018, 555, 227-230.	27.8	165
14	Magnetospheric Science Objectives of the Juno Mission. <i>Space Science Reviews</i> , 2017, 213, 219-287.	8.1	163
15	Evidence for a magnetosphere at Ganymede from plasma-wave observations by the Galileo spacecraft. <i>Nature</i> , 1996, 384, 535-537.	27.8	152
16	Galileo Plasma Wave Observations in the Io Plasma Torus and Near Io. <i>Science</i> , 1996, 274, 391-392.	12.6	131
17	Galileo evidence for rapid interchange transport in the Io torus. <i>Geophysical Research Letters</i> , 1997, 24, 2131-2134.	4.0	109
18	Ultra-relativistic electrons in Jupiter's radiation belts. <i>Nature</i> , 2002, 415, 987-991.	27.8	109

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19	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. <i>Science</i> , 2017, 356, 826-832.	12.6	109
20	The distribution of ammonia on Jupiter from a preliminary inversion of Juno microwave radiometer data. <i>Geophysical Research Letters</i> , 2017, 44, 5317-5325.	4.0	108
21	The water abundance in Jupiter's equatorial zone. <i>Nature Astronomy</i> , 2020, 4, 609-616.	10.1	96
22	Juno observations of energetic charged particles over Jupiter's polar regions: Analysis of monodirectional and bidirectional electron beams. <i>Geophysical Research Letters</i> , 2017, 44, 4410-4418.	4.0	90
23	Clusters of cyclones encircling Jupiter's poles. <i>Nature</i> , 2018, 555, 216-219.	27.8	90
24	Electron sources in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	83
25	Preliminary interpretation of Titan plasma interaction as observed by the Cassini Plasma Spectrometer: Comparisons with Voyager 1. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	82
26	Initial interpretation of Titan plasma interaction as observed by the Cassini plasma spectrometer: Comparisons with Voyager 1. <i>Planetary and Space Science</i> , 2006, 54, 1211-1224.	1.7	82
27	Discrete and broadband electron acceleration in Jupiter's powerful aurora. <i>Nature</i> , 2017, 549, 66-69.	27.8	79
28	Jupiter's Gravity Field Halfway Through the Juno Mission. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086572.	4.0	79
29	Jupiter gravity field estimated from the first two Juno orbits. <i>Geophysical Research Letters</i> , 2017, 44, 4694-4700.	4.0	74
30	Lightning and Plasma Wave Observations from the Galileo Flyby of Venus. <i>Science</i> , 1991, 253, 1522-1525.	12.6	71
31	Response of Jupiter's auroras to conditions in the interplanetary medium as measured by the Hubble Space Telescope and Juno. <i>Geophysical Research Letters</i> , 2017, 44, 7643-7652.	4.0	68
32	Enhanced whistler-mode emissions: Signatures of interchange motion in the Io torus. <i>Geophysical Research Letters</i> , 1997, 24, 2123-2126.	4.0	67
33	MWR: Microwave Radiometer for the Juno Mission to Jupiter. <i>Space Science Reviews</i> , 2017, 213, 139-185.	8.1	64
34	A complex dynamo inferred from the hemispheric dichotomy of Jupiter's magnetic field. <i>Nature</i> , 2018, 561, 76-78.	27.8	64
35	Electron beams and loss cones in the auroral regions of Jupiter. <i>Geophysical Research Letters</i> , 2017, 44, 7131-7139.	4.0	61
36	A New Model of Jupiter's Magnetic Field at the Completion of Juno's Prime Mission. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	60

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37	Correlation studies between solar wind parameters and the decimetric radio emission from Jupiter. <i>Journal of Geophysical Research</i> , 1989, 94, 121-128.	3.3	59
38	Outflow of hydrogen ions from Ganymede. <i>Geophysical Research Letters</i> , 1997, 24, 2151-2154.	4.0	57
39	Imaging Jupiter's Aurora at Visible Wavelengths. <i>Icarus</i> , 1998, 135, 251-264.	2.5	56
40	The Juno Mission. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 92-100.	0.0	56
41	Morphology of the UV aurorae Jupiter during Juno's first perijove observations. <i>Geophysical Research Letters</i> , 2017, 44, 4463-4471.	4.0	54
42	Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. <i>Science</i> , 2018, 361, 774-777.	12.6	53
43	Microwave remote sensing of Jupiter's atmosphere from an orbiting spacecraft. <i>Icarus</i> , 2005, 173, 447-453.	2.5	52
44	A revised model of Jupiter's inner electron belts: Updating the Divine radiation model. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	52
45	Prevalent lightning sferics at 600 megahertz near Jupiter's poles. <i>Nature</i> , 2018, 558, 87-90.	27.8	52
46	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. <i>Geophysical Research Letters</i> , 2018, 45, 1277-1285.	4.0	49
47	In Situ Observations Connected to the Io Footprint Tail Aurora. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 3061-3077.	3.6	48
48	Magnetospheric and Plasma Science with Cassini-Huygens. <i>Space Science Reviews</i> , 2002, 104, 253-346.	8.1	47
49	Energetic Particles and Acceleration Regions Over Jupiter's Polar Cap and Main Aurora: A Broad Overview. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027699.	2.4	47
50	Time variation of Jupiter's internal magnetic field consistent with zonal wind advection. <i>Nature Astronomy</i> , 2019, 3, 730-735.	10.1	46
51	Comparison of the Deep Atmospheric Dynamics of Jupiter and Saturn in Light of the Juno and Cassini Gravity Measurements. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	45
52	A nebula of gases from Io surrounding Jupiter. <i>Nature</i> , 2002, 415, 994-996.	27.8	44
53	Outburst of Jupiter's synchrotron radiation after the impact of comet Shoemaker-Levy 9. <i>Science</i> , 1995, 268, 1879-1883.	12.6	43
54	Discussing the processes constraining the Jovian synchrotron radio emission's features. <i>Planetary and Space Science</i> , 2008, 56, 326-345.	1.7	43

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55	Junocam: Juno's Outreach Camera. <i>Space Science Reviews</i> , 2017, 213, 475-506.	8.1	42
56	Precipitating Electron Energy Flux and Characteristic Energies in Jupiter's Main Auroral Region as Measured by Juno/JEDI. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7554-7567.	2.4	42
57	Alfvénic Fluctuations Associated With Jupiter's Auroral Emissions. <i>Geophysical Research Letters</i> , 2019, 46, 7157-7165.	4.0	42
58	Energetic particle signatures of magnetic field-aligned potentials over Jupiter's polar regions. <i>Geophysical Research Letters</i> , 2017, 44, 8703-8711.	4.0	41
59	Fine structure of Langmuir waves observed upstream of the bow shock at Venus. <i>Journal of Geophysical Research</i> , 1994, 99, 13363.	3.3	40
60	Birkeland currents in Jupiter's magnetosphere observed by the polar-orbiting Juno spacecraft. <i>Nature Astronomy</i> , 2019, 3, 904-909.	10.1	40
61	LAPLACE: A mission to Europa and the Jupiter System for ESA's Cosmic Vision Programme. <i>Experimental Astronomy</i> , 2009, 23, 849-892.	3.7	38
62	Generation of the Jovian hectometric radiation: First lessons from Juno. <i>Geophysical Research Letters</i> , 2017, 44, 4439-4446.	4.0	38
63	The global plasma environment of Titan as observed by Cassini Plasma Spectrometer during the first two close encounters with Titan. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	37
64	Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027693.	2.4	37
65	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. <i>Geophysical Research Letters</i> , 2017, 44, 4401-4409.	4.0	36
66	Survey of Ion Properties in Jupiter's Plasma Sheet: Juno JADE's Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027696.	2.4	36
67	Plasma measurements in the Jovian polar region with Juno/JADE. <i>Geophysical Research Letters</i> , 2017, 44, 7122-7130.	4.0	35
68	A new view of Jupiter's auroral radio spectrum. <i>Geophysical Research Letters</i> , 2017, 44, 7114-7121.	4.0	35
69	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1989-1999.	2.4	35
70	Spatial Distribution and Properties of 0.1-100 keV Electrons in Jupiter's Polar Auroral Region. <i>Geophysical Research Letters</i> , 2017, 44, 9199-9207.	4.0	34
71	Wave-Particle Interactions Associated With Io's Auroral Footprint: Evidence of Alfvén, Ion Cyclotron, and Whistler Modes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088432.	4.0	34
72	Low-energy electron measurements at Ganymede with the Galileo spacecraft: Probes of the magnetic topology. <i>Geophysical Research Letters</i> , 1997, 24, 2159-2162.	4.0	33

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73	Plasma densities in the vicinity of Callisto from Galileo plasma wave observations. <i>Geophysical Research Letters</i> , 2000, 27, 1867-1870.	4.0	33
74	Ganymede: A new radio source. <i>Geophysical Research Letters</i> , 1997, 24, 2167-2170.	4.0	32
75	The Juno Gravity Science Instrument. <i>Space Science Reviews</i> , 2017, 213, 205-218.	8.1	32
76	On the Relation Between Jovian Aurorae and the Loading/Unloading of the Magnetic Flux: Simultaneous Measurements From Juno, Hubble Space Telescope, and Hisaki. <i>Geophysical Research Letters</i> , 2019, 46, 11632-11641.	4.0	32
77	Implications of the ammonia distribution on Jupiter from 1 to 100 Åbars as measured by the Juno microwave radiometer. <i>Geophysical Research Letters</i> , 2017, 44, 7676-7685.	4.0	31
78	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for O ⁺ and S ²⁺ . <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2018JA026169.	2.4	31
79	Jupiter's inhomogeneous envelope. <i>Astronomy and Astrophysics</i> , 2022, 662, A18.	5.1	31
80	Galileo plasma wave observations near Europa. <i>Geophysical Research Letters</i> , 1998, 25, 237-240.	4.0	30
81	Modeling the electron and proton radiation belts of Saturn. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	30
82	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. <i>Geophysical Research Letters</i> , 2017, 44, 5308-5316.	4.0	30
83	Jovian bow shock and magnetopause encounters by the Juno spacecraft. <i>Geophysical Research Letters</i> , 2017, 44, 4506-4512.	4.0	30
84	The first close-up images of Jupiter's polar regions: Results from the Juno mission JunoCam instrument. <i>Geophysical Research Letters</i> , 2017, 44, 4599-4606.	4.0	29
85	Observations of MeV electrons in Jupiter's innermost radiation belts and polar regions by the Juno radiation monitoring investigation: Perijoves 1 and 3. <i>Geophysical Research Letters</i> , 2017, 44, 4481-4488.	4.0	29
86	The Juno Radiation Monitoring (RM) Investigation. <i>Space Science Reviews</i> , 2017, 213, 507-545.	8.1	29
87	Storms and the Depletion of Ammonia in Jupiter: I. Microphysics of "Mushballs". <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006403.	3.6	29
88	Revelations on Jupiter's formation, evolution and interior: Challenges from Juno results. <i>Icarus</i> , 2022, 378, 114937.	2.5	29
89	One year variations in the near Earth solar wind ion density and bulk flow velocity. <i>Geophysical Research Letters</i> , 1990, 17, 37-40.	4.0	28
90	A heavy ion and proton radiation belt inside of Jupiter's rings. <i>Geophysical Research Letters</i> , 2017, 44, 5259-5268.	4.0	28

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91	ROSAT Observations of X-ray Emissions from Jupiter During the Impact of Comet Shoemaker-Levy 9. <i>Science</i> , 1995, 268, 1598-1601.	12.6	27
92	Plasma waves in Jupiter's high-latitude regions: Observations from the Juno spacecraft. <i>Geophysical Research Letters</i> , 2017, 44, 4447-4454.	4.0	27
93	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. <i>Nature Astronomy</i> , 2018, 2, 544-548.	10.1	27
94	Small lightning flashes from shallow electrical storms on Jupiter. <i>Nature</i> , 2020, 584, 55-58.	27.8	27
95	Reconnection and Dipolarization-Driven Auroral Dawn Storms and Injections. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027663.	2.4	27
96	Modeling Jupiter's synchrotron radiation. <i>Geophysical Research Letters</i> , 2001, 28, 903-906.	4.0	26
97	Theory of Figures to the Seventh Order and the Interiors of Jupiter and Saturn. <i>Planetary Science Journal</i> , 2021, 2, 241.	3.6	26
98	Assessment of mechanisms for Jovian synchrotron variability associated with comet SL9. <i>Geophysical Research Letters</i> , 1995, 22, 1813-1816.	4.0	25
99	The effect of differential rotation on Jupiter's low-degree even gravity moments. <i>Geophysical Research Letters</i> , 2017, 44, 5960-5968.	4.0	25
100	Juno-UVS approach observations of Jupiter's auroras. <i>Geophysical Research Letters</i> , 2017, 44, 7668-7675.	4.0	25
101	A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089267.	4.0	25
102	Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086527.	4.0	25
103	Are Dawn Storms Jupiter's Auroral Substorms?. <i>AGU Advances</i> , 2021, 2, e2020AV000275.	5.4	25
104	Revealing the source of Jupiter's x-ray auroral flares. <i>Science Advances</i> , 2021, 7, .	10.3	25
105	Plasma environment at the dawn flank of Jupiter's magnetosphere: Juno arrives at Jupiter. <i>Geophysical Research Letters</i> , 2017, 44, 4432-4438.	4.0	24
106	First Estimate of Wind Fields in the Jupiter Polar Regions From JIRAM Juno Images. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1511-1524.	3.6	24
107	Storms and the Depletion of Ammonia in Jupiter: II. Explaining the Juno Observations. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006404.	3.6	24
108	Two-Year Observations of the Jupiter Polar Regions by JIRAM on Board Juno. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006098.	3.6	24

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109	Electron densities near Io from Galileo plasma wave observations. <i>Journal of Geophysical Research</i> , 2001, 106, 26225-26232.	3.3	23
110	Identification of Saturn's magnetospheric regions and associated plasma processes: Synopsis of Cassini observations during orbit insertion. <i>Reviews of Geophysics</i> , 2008, 46, .	23.0	23
111	Infrared observations of Io from Juno. <i>Icarus</i> , 2020, 341, 113607.	2.5	23
112	Microwave observations reveal the deep extent and structure of Jupiter's atmospheric vortices. <i>Science</i> , 2021, 374, 968-972.	12.6	23
113	Changes in Jupiter's 13.8 cm synchrotron radio emission following the impact of comet Shoemaker-Levy 9. <i>Geophysical Research Letters</i> , 1995, 22, 1797-1800.	4.0	22
114	Investigating the origins of the Jovian decimetric emission's variability. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
115	Io's Jupiter decametric arcs observed by Juno/Waves compared to ExPRES simulations. <i>Geophysical Research Letters</i> , 2017, 44, 9225-9232.	4.0	22
116	Juno's first glimpse of Jupiter's complexity. <i>Geophysical Research Letters</i> , 2017, 44, 7663-7667.	4.0	22
117	Contemporaneous Observations of Jovian Energetic Auroral Electrons and Ultraviolet Emissions by the Juno Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8298-8317.	2.4	22
118	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. <i>Geophysical Research Letters</i> , 2017, 44, 4419-4425.	4.0	21
119	The Acceleration of Electrons to High Energies Over the Jovian Polar Cap via Whistler Mode Wave-Particle Interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7523-7533.	2.4	21
120	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. <i>Geophysical Research Letters</i> , 2018, 45, 9372-9379.	4.0	21
121	Heavy Ion Charge States in Jupiter's Polar Magnetosphere Inferred From Auroral Megavolt Electric Potentials. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028052.	2.4	21
122	Magnetotail Reconnection at Jupiter: A Survey of Juno Magnetic Field Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027486.	2.4	21
123	Absence of a magnetic-field signature in plasma-wave observations at Callisto. <i>Nature</i> , 1997, 387, 261-262.	27.8	20
124	Preliminary results on the composition of Jupiter's troposphere in hot spot regions from the JIRAM/Juno instrument. <i>Geophysical Research Letters</i> , 2017, 44, 4615-4624.	4.0	20
125	Preliminary JIRAM results from Juno polar observations: 2. Analysis of the Jupiter southern H ₃ ⁺ emissions and comparison with the north aurora. <i>Geophysical Research Letters</i> , 2017, 44, 4633-4640.	4.0	20
126	Juno observations of large-scale compressions of Jupiter's dawnside magnetopause. <i>Geophysical Research Letters</i> , 2017, 44, 7559-7568.	4.0	20

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127	Observations of Jupiter's synchrotron radiation at 18 cm during the comet Shoemaker-Levy/9 impacts. <i>Geophysical Research Letters</i> , 1995, 22, 1801-1804.	4.0	19
128	Jupiter's Magnetosphere: Plasma Sources and Transport. <i>Space Science Reviews</i> , 2015, 192, 209-236.	8.1	19
129	The Rich Dynamics of Jupiter's Great Red Spot from JunoCam: Juno Images. <i>Astronomical Journal</i> , 2018, 156, 162.	4.7	19
130	Observation of Electron Conics by Juno: Implications for Radio Generation and Acceleration Processes. <i>Geophysical Research Letters</i> , 2018, 45, 9408-9416.	4.0	19
131	Juno's UVS Observation of the Io Footprint During Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5184-5199.	2.4	19
132	Preliminary JIRAM results from Juno polar observations: 1. Methodology and analysis applied to the Jovian northern polar region. <i>Geophysical Research Letters</i> , 2017, 44, 4625-4632.	4.0	18
133	In-flight Characterization and Calibration of the Juno-ultraviolet Spectrograph (Juno-UVS). <i>Astronomical Journal</i> , 2019, 157, 90.	4.7	18
134	Comparing Electron Energetics and UV Brightness in Jupiter's Northern Polar Region During Juno Perijove 5. <i>Geophysical Research Letters</i> , 2019, 46, 19-27.	4.0	18
135	Proton Acceleration by Io's Alfvénic Interaction. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027314.	2.4	18
136	Distribution of Interplanetary Dust Detected by the Juno Spacecraft and Its Contribution to the Zodiacal Light. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006509.	3.6	18
137	Evidence for Multiple Ferrel-Like Cells on Jupiter. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095651.	4.0	18
138	The depth of Jupiter's Great Red Spot constrained by Juno gravity overflights. <i>Science</i> , 2021, 374, 964-968.	12.6	18
139	A determination of the source of Jovian hectometric radiation via occultation by Ganymede. <i>Geophysical Research Letters</i> , 1997, 24, 1171-1174.	4.0	17
140	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , 2017, 44, 8107-8112.	4.0	17
141	Understanding the Origin of Jupiter's Diffuse Aurora Using Juno's First Perijove Observations. <i>Geophysical Research Letters</i> , 2017, 44, 10,162.	4.0	17
142	Pitch Angle Scattering of Upgoing Electron Beams in Jupiter's Polar Regions by Whistler Mode Waves. <i>Geophysical Research Letters</i> , 2018, 45, 1246-1252.	4.0	17
143	Jovian Injections Observed at High Latitude. <i>Geophysical Research Letters</i> , 2019, 46, 9397-9404.	4.0	17
144	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089732.	4.0	17

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145	Jupiter's Temperate Belt/Zone Contrasts Revealed at Depth by Juno Microwave Observations. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006858.	3.6	17
146	Juno/JEDI observations of 0.01 to >10 MeV energetic ions in the Jovian auroral regions: Anticipating a source for polar X-ray emission. <i>Geophysical Research Letters</i> , 2017, 44, 6476-6482.	4.0	16
147	Jovian High-Latitude Ionospheric Ions: Juno In Situ Observations. <i>Geophysical Research Letters</i> , 2019, 46, 8663-8670.	4.0	16
148	Survey of Jupiter's Dawn Magnetosheath Using Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9106-9123.	2.4	16
149	Infrared Observations of Ganymede From the Jovian InfraRed Auroral Mapper on Juno. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006508.	3.6	16
150	Energetic Proton Acceleration Associated With Io's Footprint Tail. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090839.	4.0	16
151	Water-Group Pickup Ions From Europa-Genic Neutrals Orbiting Jupiter. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	16
152	Differential Rotation in Jupiter's Interior Revealed by Simultaneous Inversion for the Magnetic Field and Zonal Flux Velocity. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	16
153	Plasma Observations During the 7 June 2021 Ganymede Flyby From the Jovian Auroral Distributions Experiment (JADE) on Juno. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	16
154	Divine-Garrett Model and Jovian synchrotron emission. <i>Geophysical Research Letters</i> , 2001, 28, 907-910.	4.0	15
155	Characterization of the white ovals on Jupiter's southern hemisphere using the first data by the Juno/JIRAM instrument. <i>Geophysical Research Letters</i> , 2017, 44, 4660-4668.	4.0	15
156	Investigation of Mass-Charge-Dependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5539-5567.	2.4	15
157	Serendipitous infrared observations of Europa by Juno/JIRAM. <i>Icarus</i> , 2019, 328, 1-13.	2.5	15
158	Survey of Juno Observations in Jupiter's Plasma Disk: Density. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029446.	2.4	15
159	Morphology of the Auroral Tail of Io, Europa, and Ganymede From JIRAM L-Band Imager. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029450.	2.4	15
160	Synchrotron emission images from three-dimensional modeling of the Jovian electron radiation belts. <i>Advances in Space Research</i> , 2001, 28, 915-918.	2.6	14
161	Multiple-wavelength sensing of Jupiter during the Juno mission's first perijove passage. <i>Geophysical Research Letters</i> , 2017, 44, 4607-4614.	4.0	14
162	Variability of Jupiter's IR H ₃ aurorae during Juno approach. <i>Geophysical Research Letters</i> , 2017, 44, 4513-4522.	4.0	14

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163	Directional finding measurements of Jovian low-frequency radio components by Juno near Perijove 1. <i>Geophysical Research Letters</i> , 2017, 44, 6508-6516.	4.0	14
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