

# S J Bolton

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

245  
papers

6,934  
citations

41  
h-index

74  
g-index

277  
ext. papers

8,139  
ext. citations

8.4  
avg. IF

5.42  
L-index

#	Paper	IF	Citations
245	A New Model of Jupiter's Magnetic Field at the Completion of Juno's Prime Mission. <i>Journal of Geophysical Research E: Planets</i> , <b>2022</b> , 127,	4.1	6
244	Revelations on Jupiter's formation, evolution and interior: Challenges from Juno results. <i>Icarus</i> , <b>2022</b> , 378, 114937	3.8	6
243	Flow patterns of Jupiter's south polar region. <i>Icarus</i> , <b>2022</b> , 372, 114742	3.8	0
242	Simultaneous UV Images and High-Latitude Particle and Field Measurements During an Auroral Dawn Storm at Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029679	2.6	0
241	Analysis of Whistler-Mode and Z-Mode Emission in the Juno Primary Mission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029885	2.6	0
240	Quasilinear Model of Jovian Whistler Mode Emission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029930	2.6	0
239	Local Time Dependence of Jupiter's Polar Auroral Emissions Observed by Juno UVS. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2021JE006954	4.1	1
238	Jupiter's Overturning Circulation: Breaking Waves Take the Place of Solid Boundaries.. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095756	4.9	1
237	Jupiter's Temperate Belt/Zone Contrasts Revealed at Depth by Juno Microwave Observations. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2021JE006858	4.1	3
236	The depth of Jupiter's Great Red Spot constrained by Juno gravity overflights. <i>Science</i> , <b>2021</b> , 374, 964-968,	33.3	6
235	Microwave observations reveal the deep extent and structure of Jupiter's atmospheric vortices. <i>Science</i> , <b>2021</b> , 374, 968-972	33.3	4
234	Are Dawn Storms Jupiter's Auroral Substorms?. <i>AGU Advances</i> , <b>2021</b> , 2, e2020AV000275	5.4	8
233	Detection of a Bolide in Jupiter's Atmosphere With Juno UVS. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091797	4.9	3
232	On the clouds and ammonia in Jupiter's upper troposphere from Juno JIRAM reflectivity observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 4892-4907	4.3	1
231	Detection and Characterization of Circular Expanding UV-Emissions Observed in Jupiter's Polar Auroral Regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028971	2.6	0
230	Constraints on the Latitudinal Profile of Jupiter's Deep Jets. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092912	4.9	6
229	Energy Spectra Near Ganymede From Juno Data. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093021	4.9	3

228	Determination of Jupiter's Mass from Juno Radio Tracking Data. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2021</b> , 44, 1062-1067	2.1	1
227	High Latitude Zones of GeV Heavy Ions at the Inner Edge of Jupiter's Relativistic Electron Belt. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2020JE006772	4.1	2
226	Revealing the source of Jupiter's x-ray auroral flares. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	7
225	Distribution of Interplanetary Dust Detected by the Juno Spacecraft and Its Contribution to the Zodiacal Light. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2020JE006509	4.1	6
224	Proton Outflow Associated With Jupiter's Auroral Processes. <i>Geophysical Research Letters</i> , <b>2021</b> , 48,	4.9	3
223	Low-Latitude Whistler-Mode and Higher-Latitude Z-Mode Emission at Jupiter Observed by Juno. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028742	2.6	3
222	Lightning Generation in Moist Convective Clouds and Constraints on the Water Abundance in Jupiter. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2020JE006504	4.1	1
221	Jupiter's Double-Arc Aurora as a Signature of Magnetic Reconnection: Simultaneous Observations From HST and Juno. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093964	4.9	0
220	Survey of Juno Observations in Jupiter's Plasma Disk: Density. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029446	2.6	3
219	The High-Latitude Extension of Jupiter's Io Torus: Electron Densities Measured by Juno Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029195	2.6	4
218	Oscillations and Stability of the Jupiter Polar Cyclones. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094235	4.9	5
217	Meridional Variations of C <sub>2</sub> H <sub>2</sub> in Jupiter's Stratosphere From Juno UVS Observations. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2021JE006928	4.1	1
216	Observation of Kolmogorov Turbulence in the Jovian Magnetosheath From JADE Data. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095006	4.9	0
215	Quantification of Diffuse Auroral Electron Precipitation Driven by Whistler Mode Waves at Jupiter. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095457	4.9	1
214	Electron Partial Density and Temperature Over Jupiter's Main Auroral Emission Using Juno Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029426	2.6	3
213	A Preliminary Study of Magnetosphere-Ionosphere-Thermosphere Coupling at Jupiter: Juno Multi-Instrument Measurements and Modeling Tools. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029469	2.6	2
212	Morphology of the Auroral Tail of Io, Europa, and Ganymede From JIRAM L-Band Imager. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029450	2.6	1
211	Theory of Figures to the Seventh Order and the Interiors of Jupiter and Saturn. <i>Planetary Science Journal</i> , <b>2021</b> , 2, 241	2.9	5

210	Energetic Electron Distributions Near the Magnetic Equator in the Jovian Plasma Sheet and Outer Radiation Belt Using Juno Observations. <i>Geophysical Research Letters</i> , <b>2021</b> , 48,	4.9	1
209	Infrared Observations of Ganymede From the Jovian InfraRed Auroral Mapper on Juno. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2020JE006508	4.1	9
208	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089732	4.9	5
207	Juno Energetic Neutral Atom (ENA) Remote Measurements of Magnetospheric Injection Dynamics in Jupiter's Io Torus Regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027964	2.6	8
206	The Generation of Upward-Propagating Whistler Mode Waves by Electron Beams in the Jovian Polar Regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027868	2.6	8
205	A Survey of Small-Scale Waves and Wave-Like Phenomena in Jupiter's Atmosphere Detected by JunoCam. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006369	4.1	3
204	Two-Year Observations of the Jupiter Polar Regions by JIRAM on Board Juno. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006098	4.1	15
203	Energetic Particles and Acceleration Regions Over Jupiter's Polar Cap and Main Aurora: A Broad Overview. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027699	2.6	15
202	Plasma Sheet Boundary Layer in Jupiter's Magnetodisk as Observed by Juno. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027957	2.6	4
201	Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027693	2.6	25
200	Magnetotail Reconnection at Jupiter: A Survey of Juno Magnetic Field Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027486	2.6	12
199	Comparison of the Deep Atmospheric Dynamics of Jupiter and Saturn in Light of the Juno and Cassini Gravity Measurements. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	21
198	Juno Waves Detection of Dust Impacts Near Jupiter. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006367	4.1	4
197	Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086527	4.9	14
196	On the Spatial Distribution of Minor Species in Jupiter's Troposphere as Inferred From Juno JIRAM Data. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006206	4.1	4
195	The water abundance in Jupiter's equatorial zone. <i>Nature Astronomy</i> , <b>2020</b> , 4, 609-616	12.1	54
194	Survey of Ion Properties in Jupiter's Plasma Sheet: Juno JADE-I Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027696	2.6	17
193	Jupiter's Gravity Field Halfway Through the Juno Mission. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086572	4.9	7

192	Juno In Situ Observations Above the Jovian Equatorial Ionosphere. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087623	4.9	5
191	Energetic Proton Acceleration Associated With Io's Footprint Tail. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090839	4.9	6
190	Energetic Neutral Atoms From Jupiter's Polar Regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028697	2.6	1
189	Infrared observations of Io from Juno. <i>Icarus</i> , <b>2020</b> , 341, 113607	3.8	13
188	Proton Acceleration by Io's Alfvénic Interaction. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027314	2.6	8
187	A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089267	4.9	10
186	Where Is the Io Plasma Torus? A Comparison of Observations by Juno Radio Occultations to Predictions From Jovian Magnetic Field Models. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027633	2.6	3
185	Heavy Ion Charge States in Jupiter's Polar Magnetosphere Inferred From Auroral Megavolt Electric Potentials. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028052	2.6	10
184	Angular Dependence and Spatial Distribution of Jupiter's Centimeter-Wave Thermal Emission From Juno's Microwave Radiometer. <i>Earth and Space Science</i> , <b>2020</b> , 7, e2020EA001254	3.1	4
183	Residual Study: Testing Jupiter Atmosphere Models Against Juno MWR Observations. <i>Earth and Space Science</i> , <b>2020</b> , 7, e2020EA001229	3.1	3
182	Wave-Particle Interactions Associated With Io's Auroral Footprint: Evidence of Alfvén, Ion Cyclotron, and Whistler Modes. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088432	4.9	15
181	Turbulence Power Spectra in Regions Surrounding Jupiter's South Polar Cyclones From Juno/JIRAM. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006096	4.1	3
180	High-Spatiotemporal Resolution Observations of Jupiter Lightning-Induced Radio Pulses Associated With Sferics and Thunderstorms. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088397	4.9	2
179	Storms and the Depletion of Ammonia in Jupiter: I. Microphysics of "Mushballs". <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2020JE006403	4.1	15
178	Storms and the Depletion of Ammonia in Jupiter: II. Explaining the Juno Observations. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2020JE006404	4.1	11
177	Small lightning flashes from shallow electrical storms on Jupiter. <i>Nature</i> , <b>2020</b> , 584, 55-58	50.4	16
176	Reconnection- and Dipolarization-Driven Auroral Dawn Storms and Injections. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027663	2.6	11
175	Mapping Io's Surface Composition With Juno/JIRAM. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2020JE006522	4.1	5

174	Possible Transient Luminous Events Observed in Jupiter's Upper Atmosphere. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2020JE006659	4.1	7
173	Observations and Electron Density Retrievals of Jupiter's Discrete Auroral Arcs Using the Juno Microwave Radiometer. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006293	4.1	1
172	Jupiter's Equatorial Plumes and Hot Spots: Spectral Mapping from Gemini/TEXES and Juno/MWR. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2020JE006399	4.1	7
171	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for O <sup>+</sup> and S <sup>2+</sup> . <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2018JA026169	2.6	18
170	A mascon approach to estimating the depth of Jupiter's Great Red Spot with Juno gravity measurements. <i>Planetary and Space Science</i> , <b>2020</b> , 181, 104781	2	5
169	A solution of Jupiter's gravitational field from Juno data with the orbit14 software. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 766-772	4.3	8
168	Evidence for low density holes in Jupiter's ionosphere. <i>Nature Communications</i> , <b>2019</b> , 10, 2751	17.4	1
167	Time variation of Jupiter's internal magnetic field consistent with zonal wind advection. <i>Nature Astronomy</i> , <b>2019</b> , 3, 730-735	12.1	28
166	Determining the Depth of Jupiter's Great Red Spot with Juno: A Slepian Approach. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 874, L24	7.9	9
165	Serendipitous infrared observations of Europa by Juno/JIRAM. <i>Icarus</i> , <b>2019</b> , 328, 1-13	3.8	10
164	Probing Jovian Broadband Kilometric Radio Sources Tied to the Ultraviolet Main Auroral Oval With Juno. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 571-579	4.9	5
163	In-flight Characterization and Calibration of the Juno-ultraviolet Spectrograph (Juno-UVS). <i>Astronomical Journal</i> , <b>2019</b> , 157, 90	4.9	11
162	Jovian Injections Observed at High Latitude. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 9397-9404	4.9	12
161	Alfvénic Fluctuations Associated With Jupiter's Auroral Emissions. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 7157-7165	4.9	21
160	Jovian High-Latitude Ionospheric Ions: Juno In Situ Observations. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 8663-8670	4.9	13
159	Investigation of Mass-/Charge-Dependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5539-5567	2.6	12
158	Birkeland currents in Jupiter's magnetosphere observed by the polar-orbiting Juno spacecraft. <i>Nature Astronomy</i> , <b>2019</b> , 3, 904-909	12.1	23
157	Juno-UVS Observation of the Io Footprint During Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5184-5199	2.6	13

156	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> , <b>2019</b> , 46, 11632-11641	4.9	21
155	Io's Effect on Energetic Charged Particles as Seen in Juno Data. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 13615-13620	4.9	9
154	Contemporaneous Observations of Jovian Energetic Auroral Electrons and Ultraviolet Emissions by the Juno Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8298-8317	2.6	16
153	Survey of Jupiter's Dawn Magnetosheath Using Juno. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 9106-9123	2.6	9
152	Comparing Electron Energetics and UV Brightness in Jupiter's Northern Polar Region During Juno Perijove 5. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 19-27	4.9	14
151	Clusters of cyclones encircling Jupiter's poles. <i>Nature</i> , <b>2018</b> , 555, 216-219	50.4	61
150	A suppression of differential rotation in Jupiter's deep interior. <i>Nature</i> , <b>2018</b> , 555, 227-230	50.4	130
149	Measurement of Jupiter's asymmetric gravity field. <i>Nature</i> , <b>2018</b> , 555, 220-222	50.4	132
148	Jupiter's atmospheric jet streams extend thousands of kilometres deep. <i>Nature</i> , <b>2018</b> , 555, 223-226	50.4	127
147	Pitch Angle Scattering of Upgoing Electron Beams in Jupiter's Polar Regions by Whistler Mode Waves. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1246-1252	4.9	13
146	A New Model of Jupiter's Magnetic Field From Juno's First Nine Orbits. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 2590-2596	4.9	170
145	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1989	2.6	21
144	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1277-1285	4.9	35
143	Observation of Electron Conics by Juno: Implications for Radio Generation and Acceleration Processes. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 9408-9416	4.9	11
142	Jupiter Lightning-Induced Whistler and Sferic Events With Waves and MWR During Juno Perijoves. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7268-7276	4.9	9
141	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. <i>Nature Astronomy</i> , <b>2018</b> , 2, 544-548	12.1	17
140	Prevalent lightning sferics at 600 megahertz near Jupiter's poles. <i>Nature</i> , <b>2018</b> , 558, 87-90	50.4	35
139	In-flight characterization and calibration of the Juno-Ultraviolet Spectrograph (Juno-UVS) <b>2018</b> ,		2

138	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> , <b>2018</b> , 123, 7554-7567	2.6	33
137	Bar Code Events in the Juno-UVS Data: Signature ~10 MeV Electron Microbursts at Jupiter. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 12,108-12,115	4.9	9
136	The Rich Dynamics of Jupiter's Great Red Spot from JunoCam: Juno Images. <i>Astronomical Journal</i> , <b>2018</b> , 156, 162	4.9	14
135	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> , <b>2018</b> , 123, 7523-7533	2.6	15
134	In Situ Observations Connected to the Io Footprint Tail Aurora. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 3061-3077	4.1	27
133	Juno Constraints on the Formation of Jupiter's Magnetospheric Cushion Region. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 9427-9434	4.9	6
132	A complex dynamo inferred from the hemispheric dichotomy of Jupiter's magnetic field. <i>Nature</i> , <b>2018</b> , 561, 76-78	50.4	43
131	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 9372-9379	4.9	13
130	Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. <i>Science</i> , <b>2018</b> , 361, 774-777	33.3	27
129	First Estimate of Wind Fields in the Jupiter Polar Regions From JIRAM-Juno Images. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 1511-1524	4.1	14
128	Junocam: Juno's Outreach Camera. <i>Space Science Reviews</i> , <b>2017</b> , 213, 475-506	7.5	31
127	Cassini finds molecular hydrogen in the Enceladus plume: Evidence for hydrothermal processes. <i>Science</i> , <b>2017</b> , 356, 155-159	33.3	252
126	The first close-up images of Jupiter's polar regions: Results from the Juno mission JunoCam instrument. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4599-4606	4.9	19
125	Multiple-wavelength sensing of Jupiter during the Juno mission's first perijove passage. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4607-4614	4.9	13
124	Io-Jupiter decametric arcs observed by Juno/Waves compared to ExpRES simulations. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 9225-9232	4.9	14
123	Statistical study of latitudinal beaming of Jupiter's decametric radio emissions using Juno. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4584-4590	4.9	5
122	The distribution of ammonia on Jupiter from a preliminary inversion of Juno microwave radiometer data. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 5317-5325	4.9	74
121	Comparing Jupiter interior structure models to Juno gravity measurements and the role of a dilute core. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4649-4659	4.9	184

120	Juno's first glimpse of Jupiter's complexity. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7663-7667	4.9	14
119	Jupiter's interior and deep atmosphere: The initial pole-to-pole passes with the Juno spacecraft. <i>Science</i> , <b>2017</b> , 356, 821-825	33.3	180
118	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. <i>Science</i> , <b>2017</b> , 356, 826-832	33.3	93
117	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 5308-5316	4.9	20
116	Plasma waves in Jupiter's high-latitude regions: Observations from the Juno spacecraft. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4447-4454	4.9	25
115	Observations of interplanetary dust by the Juno magnetometer investigation. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4701-4708	4.9	6
114	Preliminary results on the composition of Jupiter's troposphere in hot spot regions from the JIRAM/Juno instrument. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4615-4624	4.9	18
113	Jupiter gravity field estimated from the first two Juno orbits. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4694-4700	4.9	60
112	The effect of differential rotation on Jupiter's low-degree even gravity moments. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 5960-5968	4.9	20
111	Plasma measurements in the Jovian polar region with Juno/JADE. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7122-7130	4.9	30
110	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> , <b>2017</b> , 44, 6476-6482	4.9	14
109	Plasma environment at the dawn flank of Jupiter's magnetosphere: Juno arrives at Jupiter. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4432-4438	4.9	21
108	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 8107-8112	4.9	12
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