Fran Bagenal

List of Publications by Year
in descending order

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219 papers	9,621 citations	31976 53 h-index	54911 84 g-index
226 all docs	226 docs citations	226 times ranked	3313 citing authors

#	Article	IF	Citations
1	The Pluto system: Initial results from its exploration by New Horizons. Science, 2015, 350, aad1815.	12.6	407
2	Empirical model of the Io plasma torus: Voyager measurements. Journal of Geophysical Research, 1994, 99, 11043.	3.3	303
3	Direct plasma measurements in the Io torus and inner magnetosphere of Jupiter. Journal of Geophysical Research, 1981, 86, 8447-8466.	3.3	267
4	Flow of mass and energy in the magnetospheres of Jupiter and Saturn. Journal of Geophysical Research, 2011, 116, .	3.3	258
5	The Juno Mission. Space Science Reviews, 2017, 213, 5-37.	8.1	222
6	Plasma Observations Near Jupiter: Initial Results from Voyager 1. Science, 1979, 204, 987-991.	12.6	220
7	The atmosphere of Pluto as observed by New Horizons. Science, 2016, 351, aad8866.	12.6	201
8	The Jovian Auroral Distributions Experiment (JADE) on the Juno Mission to Jupiter. Space Science Reviews, 2017, 213, 547-643.	8.1	187
9	Martian magnetic morphology: Contributions from the solar wind and crust. Journal of Geophysical Research, 2003, 108, .	3.3	174
10	Magnetospheric Science Objectives of the Juno Mission. Space Science Reviews, 2017, 213, 219-287.	8.1	163
11	Solar wind interaction with Jupiter's magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	128
12	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. Science, 2019, 364, .	12.6	113
13	Jupiterâ€™s magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. Science, 2017, 356, 826-832.	12.6	109
14	Giant Planet Magnetospheres. Annual Review of Earth and Planetary Sciences, 1992, 20, 289-328.	11.0	108
15	Observations of low-frequency electromagnetic plasma waves upstream from the Martian shock. Journal of Geophysical Research, 2002, 107, SMP 9-1.	3.3	107
16	Modeling variability of plasma conditions in the Io torus. Journal of Geophysical Research, 2003, 108, .	3.3	103
17	The Solar Wind Around Pluto (SWAP) Instrument Aboard New Horizons. Space Science Reviews, 2008, 140, 261-313.	8.1	102
18	Science Potential from a Europa Lander. Astrobiology, 2013, 13, 740-773.	3.0	98

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19	Departure from rigid co-rotation of plasma in Jupiter's dayside magnetosphere. Nature, 1979, 280, 803-803.	27.8	96
20	Plasma Observations Near Jupiter: Initial Results from Voyager 2. Science, 1979, 206, 972-976.	12.6	94
21	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
22	ROSAT observations of the Jupiter aurora. Journal of Geophysical Research, 1994, 99, 14799.	3.3	87
23	Jupiter: A fundamentally different magnetospheric interaction with the solar wind. Geophysical Research Letters, 2007, 34, .	4.0	86
24	Magnetic signatures of Kelvinâ€Helmholtz vortices on Saturn's magnetopause: Global survey. Journal of Geophysical Research: Space Physics, 2013, 118, 393-404.	2.4	81
25	Survey of Galileo plasma observations in Jupiter's plasma sheet. Journal of Geophysical Research E: Planets, 2016, 121, 871-894.	3.6	81
26	Cassini UVIS observations of the Io plasma torus.II. Radial variations. Icarus, 2004, 172, 91-103.	2.5	80
27	Diverse Plasma Populations and Structures in Jupiter's Magnetotail. Science, 2007, 318, 217-220.	12.6	80
28	Discrete and broadband electron acceleration in Jupiterâ€™s powerful aurora. Nature, 2017, 549, 66-69.	27.8	79
29	Revised ion temperatures for Voyager plasma measurements in the Io plasma torus. Journal of Geophysical Research, 1985, 90, 1755-1757.	3.3	75
30	Radial variations in the Io plasma torus during the Cassini era. Journal of Geophysical Research, 2005, 110, .	3.3	75
31	Plasma conditions inside Io's orbit: Voyager measurements. Journal of Geophysical Research, 1985, 90, 311-324.	3.3	74
32	New Horizons: Anticipated Scientific Investigations atÂtheÂPluto System. Space Science Reviews, 2008, 140, 93-127.	8.1	74
33	The magnetosphere of Jupiter: Coupling the equator to the poles. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 387-402.	1.6	68
34	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
35	Ion cyclotron waves in the Io torus during the Galileo encounter: Warm plasma dispersion analysis. Geophysical Research Letters, 1997, 24, 2143-2146.	4.0	67
36	Latitudinal structure of outer Io plasma torus. Journal of Geophysical Research, 2002, 107, SMP 24-1.	3.3	67

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37	Conditions at the magnetopause of Saturn and implications for the solar wind interaction. Journal of Geophysical Research: Space Physics, 2013, 118, 3087-3095.	2.4	67
38	Magnetic flux circulation in the rotationally driven giant magnetospheres. Journal of Geophysical Research: Space Physics, 2015, 120, 4229-4245.	2.4	67
39	The Space Environment of Io and Europa. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027485.	2.4	66
40	Spatial distribution of plasma in the Io torus. Geophysical Research Letters, 1980, 7, 41-44.	4.0	64
41	The ionization source near Io from Galileo wake data. Geophysical Research Letters, 1997, 24, 2111-2114.	4.0	64
42	The Student Dust Counter on the New Horizons Mission. Space Science Reviews, 2008, 140, 387-402.	8.1	62
43	Reply to comment by S. W. H. Cowley et al. on â€œJupiter: A fundamentally different magnetospheric interaction with the solar windâ€. Geophysical Research Letters, 2008, 35, .	4.0	62
44	Plasma conditions at Europaâ€™s orbit. Icarus, 2015, 261, 1-13.	2.5	62
45	Electron beams and loss cones in the auroral regions of Jupiter. Geophysical Research Letters, 2017, 44, 7131-7139.	4.0	61
46	The Uranian bow shock: Voyager 2 inbound observations of a high Mach number shock. Journal of Geophysical Research, 1987, 92, 8603-8612.	3.3	60
47	Io-related Jovian auroral arcs: Modeling parallel electric fields. Journal of Geophysical Research, 2003, 108, .	3.3	60
48	Plutoâ€™s interaction with its space environment: Solar wind, energetic particles, and dust. Science, 2016, 351, aad9045.	12.6	60
49	Cassini UVIS observations of the Io plasma torusIII. Observations of temporal and azimuthal variability. Icarus, 2006, 180, 124-140.	2.5	59
50	Cassini UVIS observations of the Io plasma torus. Icarus, 2008, 194, 153-165.	2.5	56
51	Extreme ultraviolet explorer satellite observation of Jupiter's Io plasma torus. Astrophysical Journal, 1994, 426, L51.	4.5	56
52	Magnetosphereâ€“ionosphere coupling at Jupiter: Effect of fieldâ€aligned potentials on angular momentum transport. Journal of Geophysical Research, 2010, 115, .	3.3	55
53	Coupling the plasma interaction at Io to Jupiter. Geophysical Research Letters, 1997, 24, 2135-2138.	4.0	54
54	Momentum transfer between the Io plasma wake and Jupiter's ionosphere. Journal of Geophysical Research, 2003, 108, .	3.3	54

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55	Time dependent plasma injection by Io. Geophysical Research Letters, 1980, 7, 37-40.	4.0	53
56	Modeling temporal variability of plasma conditions in the Io torus during the Cassini era. Journal of Geophysical Research, 2004, 109, .	3.3	53
57	The Pluto Energetic Particle Spectrometer Science Investigation (PEPSSI) on the New Horizons Mission. Space Science Reviews, 2008, 140, 315-385.	8.1	53
58	Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. Science, 2018, 361, 774-777.	12.6	53
59	Conditions at the expanded Jovian magnetopause and implications for the solar wind interaction. Journal of Geophysical Research, 2012, 117, .	3.3	51
60	Evidence from radial velocity measurements of a global electric field in Saturn's inner magnetosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 2122-2132.	2.4	51
61	Energetic Particles in the Jovian Magnetotail. Science, 2007, 318, 220-222.	12.6	50
62	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. Geophysical Research Letters, 2018, 45, 1277-1285.	4.0	49
63	Survey of thermal plasma ions in Saturn's magnetosphere utilizing a forward model. Journal of Geophysical Research: Space Physics, 2017, 122, 7256-7278.	2.4	48
64	In Situ Observations Connected to the Io Footprint Tail Aurora. Journal of Geophysical Research E: Planets, 2018, 123, 3061-3077.	3.6	48
65	A multispecies chemistry model of Io's local interaction with the Plasma Torus. Journal of Geophysical Research, 2008, 113, .	3.3	47
66	Slowing of the Solar Wind in the Outer Heliosphere. Astrophysical Journal, 2019, 885, 156.	4.5	47
67	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
68	AlfvÃ©n wave propagation in the Io plasma torus. Journal of Geophysical Research, 1983, 88, 3013-3025.	3.3	46
69	Galileo measurements of plasma density in the Io torus. Geophysical Research Letters, 1997, 24, 2119-2122.	4.0	45
70	Atmospheric escape from unmagnetized bodies. Journal of Geophysical Research E: Planets, 2016, 121, 2364-2385.	3.6	44
71	The formation of Charonâ€™s red poles from seasonally cold-trapped volatiles. Nature, 2016, 539, 65-68.	27.8	44
72	Survey of Voyager plasma science ions at Jupiter: 2. Heavy ions. Journal of Geophysical Research: Space Physics, 2017, 122, 8257-8276.	2.4	44

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73	Galileo plasma spectrometer measurements of composition and temperature in the Io plasma torus. Journal of Geophysical Research, 1998, 103, 29359-29370.	3.3	43
74	Currentâ€voltage relation of a centrifugally confined plasma. Journal of Geophysical Research, 2009, 114, .	3.3	43
75	Magnetotail structure of the giant magnetospheres: Implications of the viscous interaction with the solar wind. Journal of Geophysical Research: Space Physics, 2013, 118, 7045-7053.	2.4	43
76	The roles of charge exchange and dissociation in spreading Saturn's neutral clouds. Journal of Geophysical Research, 2012, 117, .	3.3	42
77	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
78	AlfvÃ©nic Fluctuations Associated With Jupiter's Auroral Emissions. Geophysical Research Letters, 2019, 46, 7157-7165.	4.0	42
79	Solar wind interactions with Comet 19P/Borrelly. Icarus, 2004, 167, 80-88.	2.5	41
80	Io's Atmospheric Response to Eclipse: UV Aurorae Observations. Science, 2007, 318, 237-240.	12.6	41
81	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. Space Science Reviews, 2014, 182, 85-154.	8.1	41
82	Properties of plasma ions in the distant Jovian magnetosheath using Solar Wind Around Pluto data on New Horizons. Journal of Geophysical Research: Space Physics, 2014, 119, 3463-3479.	2.4	41
83	Energetic particle signatures of magnetic fieldâ€aligned potentials over Jupiter's polar regions. Geophysical Research Letters, 2017, 44, 8703-8711.	4.0	41
84	On the energy crisis in the Io plasma torus. Geophysical Research Letters, 1988, 15, 545-548.	4.0	40
85	Io-Jupiter interaction: AlfvÃ©n wave propagation and ionospheric AlfvÃ©n resonator. Journal of Geophysical Research, 2006, 111, .	3.3	40
86	Sbursts and the Jupiter ionospheric AlfvÃ©n resonator. Journal of Geophysical Research, 2006, 111, .	3.3	40
87	Saturn's neutral torus versus Jupiter's plasma torus. Geophysical Research Letters, 2007, 34, .	4.0	40
88	A sensitivity study of the Enceladus torus. Journal of Geophysical Research, 2010, 115, .	3.3	39
89	The abundance of O⁺⁺ in the Jovian magnetosphere. Geophysical Research Letters, 1992, 19, 79-82.	4.0	38
90	Kelvinâ€Helmholtz instability at Saturn's magnetopause: Cassini ion data analysis. Journal of Geophysical Research, 2012, 117, .	3.3	38

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91	Generation of the Jovian hectometric radiation: First lessons from Juno. Geophysical Research Letters, 2017, 44, 4439-4446.	4.0	38
92	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
93	Solar Wind and Internally Driven Dynamics: Influences on Magnetodiscs and Auroral Responses. Space Science Reviews, 2015, 187, 51-97.	8.1	36
94	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. Geophysical Research Letters, 2017, 44, 4401-4409.	4.0	36
95	Survey of Ion Properties in Jupiter's Plasma Sheet: Juno JADEâ€‰Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027696.	2.4	36
96	Plasma measurements in the Jovian polar region with Juno/JADE. Geophysical Research Letters, 2017, 44, 7122-7130.	4.0	35
97	A new view of Jupiter's auroral radio spectrum. Geophysical Research Letters, 2017, 44, 7114-7121.	4.0	35
98	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. Journal of Geophysical Research: Space Physics, 2018, 123, 1989-1999.	2.4	35
99	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
100	Plutoâ€§s interaction with the solar wind. Geophysical Research Letters, 1989, 16, 1229-1232.	4.0	33
101	Generation of parallel electric fields in the Jupiterâ€“Io torus wake region. Journal of Geophysical Research, 2009, 114, .	3.3	33
102	Light ion concentrations in Jupiter's inner magnetosphere. Journal of Geophysical Research, 1982, 87, 2241-2245.	3.3	32
103	When Moons Create Aurora: The Satellite Footprints on Giant Planets. Geophysical Monograph Series, 0, , 133-140.	0.1	32
104	Pluto's interaction with the solar wind. Journal of Geophysical Research: Space Physics, 2016, 121, 4232-4246.	2.4	32
105	On the Relation Between Jovian Aurorae and the Loading/Unloading of the Magnetic Flux: Simultaneous Measurements From Juno, Hubble Space Telescope, and Hisaki. Geophysical Research Letters, 2019, 46, 11632-11641.	4.0	32
106	The multiple spots of the Ganymede auroral footprint. Geophysical Research Letters, 2013, 40, 4977-4981.	4.0	31
107	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for O⁺ and S²⁺. Journal of Geophysical Research: Space Physics, 2020, 125, e2018JA026169.	2.4	31
108	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

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109	In situidentification of various ionic species in Jupiter's magnetosphere. Nature, 1979, 280, 798-799.	27.8	29
110	Pluto's kinetic interaction with the solar wind. Geophysical Research Letters, 2004, 31, .	4.0	29
111	Magnetosphereâ€ionosphere coupling at Jupiter: A parameter space study. Journal of Geophysical Research, 2012, 117, .	3.3	29
112	Asymmetry of Io's outer atmosphere: Constraints from five Galileo flybys. Journal of Geophysical Research, 2012, 117, .	3.3	29
113	Europaâ€™s atmospheric neutral escape: Importance of symmetrical O2 charge exchange. Icarus, 2016, 264, 387-397.	2.5	29
114	Survey of Voyager plasma science ions at Jupiter: 1. Analysis method. Journal of Geophysical Research: Space Physics, 2017, 122, 8241-8256.	2.4	28
115	Survey of Voyager plasma science ions at Jupiter: 3. Protons and minor ions. Journal of Geophysical Research: Space Physics, 2017, 122, 8277-8294.	2.4	28
116	Modeling the Enceladus plumeâ€“plasma interaction. Geophysical Research Letters, 2010, 37, .	4.0	27
117	Longitudinal modulation of hot electrons in the Io plasma torus. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	27
118	A survey of solar wind conditions at 5 AU: a tool for interpreting solar wind-magnetosphere interactions at Jupiter. Frontiers in Astronomy and Space Sciences, 2014, 1, .	2.8	27
119	Plasma properties in the deep jovian magnetotail. Planetary and Space Science, 2015, 119, 222-232.	1.7	27
120	Anisotropy and proton density in the Io plasma torus derived from whistler wave dispersion. Journal of Geophysical Research, 1996, 101, 2699-2706.	3.3	25
121	Junoâ€UVS approach observations of Jupiter's auroras. Geophysical Research Letters, 2017, 44, 7668-7675.	4.0	25
122	A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. Geophysical Research Letters, 2020, 47, e2020GL089267.	4.0	25
123	AlfvÃ©nic Acceleration Sustains Ganymede's Footprint Tail Aurora. Geophysical Research Letters, 2020, 47, e2019GL086527.	4.0	25
124	Plasma environment at the dawn flank of Jupiter's magnetosphere: Juno arrives at Jupiter. Geophysical Research Letters, 2017, 44, 4432-4438.	4.0	24
125	AlfvÃ©n Wave Propagation in the Io Plasma Torus. Geophysical Research Letters, 2019, 46, 1242-1249.	4.0	24
126	Planetary Magnetospheres. , 2013, , 251-307.		23

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127	Comparative Auroral Physics: Earth and Other Planets. Geophysical Monograph Series, 0, , 3-26.	0.1	23
128	Local time asymmetry of Saturn's magnetosheath flows. Geophysical Research Letters, 2017, 44, 5877-5883.	4.0	23
129	Radial variation of sulfur and oxygen ions in the Io plasma torus as deduced from remote observations by Hisaki. Journal of Geophysical Research: Space Physics, 2017, 122, 2999-3012.	2.4	23
130	Jupiter's deep magnetotail boundary layer. Planetary and Space Science, 2015, 111, 116-125.	1.7	22
131	Io plasma torus ion composition: Voyager, Galileo, and Cassini. Journal of Geophysical Research: Space Physics, 2017, 122, 727-744.	2.4	22
132	Juno's first glimpse of Jupiter's complexity. Geophysical Research Letters, 2017, 44, 7663-7667.	4.0	22
133	Analytical model for the density distribution in the Io plasma torus. Journal of Geophysical Research, 1995, 100, 1823.	3.3	21
134	A comparison of the Voyager 1 ultraviolet spectrometer and plasma science measurements of the Io plasma torus. Journal of Geophysical Research, 1995, 100, 19541.	3.3	21
135	A 1â€Ð model of physical chemistry in Saturn's inner magnetosphere. Journal of Geophysical Research E: Planets, 2013, 118, 1567-1581.	3.6	21
136	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. Geophysical Research Letters, 2017, 44, 4419-4425.	4.0	21
137	Heavy Ion Charge States in Jupiter's Polar Magnetosphere Inferred From Auroral Megavolt Electric Potentials. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028052.	2.4	21
138	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
139	Juno observations of largeâ€scale compressions of Jupiter's dawnside magnetopause. Geophysical Research Letters, 2017, 44, 7559-7568.	4.0	20
140	Jupiterâ€™s Magnetosphere: Plasma Sources and Transport. Space Science Reviews, 2015, 192, 209-236.	8.1	19
141	Solar wind at 33â€‰AU: Setting bounds on the Pluto interaction for New Horizons. Journal of Geophysical Research E: Planets, 2015, 120, 1497-1511.	3.6	19
142	The puzzling detection of x-rays from Pluto by Chandra. Icarus, 2017, 287, 103-109.	2.5	19
143	Observation of Electron Conics by Juno: Implications for Radio Generation and Acceleration Processes. Geophysical Research Letters, 2018, 45, 9408-9416.	4.0	19
144	The Lymanâ€Î± Sky Background as Observed by New Horizons. Geophysical Research Letters, 2018, 45, 8022-8028.	4.0	19

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145	Junoâ€ŁUVS Observation of the Io Footprint During Solar Eclipse. Journal of Geophysical Research: Space Physics, 2019, 124, 5184-5199.	2.4	19
146	Location, structure, and motion of Jupiter's dusk magnetospheric boundary from â^¼1625 to 2550 R_J. Journal of Geophysical Research, 2010, 115, .	3.3	18
147	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
148	Spatial Distribution of Io's Neutral Oxygen Cloud Observed by Hisaki. Journal of Geophysical Research: Space Physics, 2018, 123, 3764-3776.	2.4	18
149	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
150	Proton Acceleration by Io's AlfvÃ©nic Interaction. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027314.	2.4	18
151	Bimodal size of Jupiter's magnetosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 1523-1529.	2.4	17
152	Hot flow anomaly observed at Jupiter's bow shock. Geophysical Research Letters, 2017, 44, 8107-8112.	4.0	17
153	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. Geophysical Research Letters, 2020, 47, e2020GL089732.	4.0	17
154	Centrifugal Equator in Jupiterâ€™s Plasma Sheet. Journal of Geophysical Research: Space Physics, 2021, 126, .	2.4	17
155	Longitudinal plasma density variations at Saturn caused by hot electrons. Geophysical Research Letters, 2008, 35, .	4.0	16
156	Jovian Highâ€Łatitude Ionospheric Ions: Juno In Situ Observations. Geophysical Research Letters, 2019, 46, 8663-8670.	4.0	16
157	Survey of Jupiter's Dawn Magnetosheath Using Juno. Journal of Geophysical Research: Space Physics, 2019, 124, 9106-9123.	2.4	16
158	Energetic Proton Acceleration Associated With Io's Footprint Tail. Geophysical Research Letters, 2020, 47, e2020GL090839.	4.0	16
159	Waterâ€Group Pickup Ions From Europaâ€Genic Neutrals Orbiting Jupiter. Geophysical Research Letters, 2022, 49, .	4.0	16
160	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
161	The proton concentration in the vicinity of the Io plasma torus. Journal of Geophysical Research, 1982, 87, 10395-10400.	3.3	15
162	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

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163	Solar Wind Properties During Juno's Approach to Jupiter: Data Analysis and Resulting Plasma Properties Utilizing a 1â€Ð Forward Model. Journal of Geophysical Research: Space Physics, 2018, 123, 2772-2786.	2.4	15
164	Suprathermal Ions in the Outer Heliosphere. Astrophysical Journal, 2019, 876, 46.	4.5	15
165	Investigation of Massâ€/Chargeâ€Ðependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. Journal of Geophysical Research: Space Physics, 2019, 124, 5539-5567.	2.4	15
166	Survey of Juno Observations in Jupiter's Plasma Disk: Density. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029446.	2.4	15
167	Influence of Solar Disturbances on Galactic Cosmic Rays in the Solar Wind, Heliosheath, and Local Interstellar Medium: Advanced Composition Explorer, New Horizons, and Voyager Observations. Astrophysical Journal, 2020, 905, 69.	4.5	15
168	Auroral Processes on Jupiter and Saturn. Geophysical Monograph Series, 0, , 113-122.	0.1	14
169	Ioâ€™s neutral clouds, plasma torus, magnetospheric interaction. , 2007, , 265-286.		14
170	Ion cyclotron waves, pickup ions, and Io's neutral exosphere. Journal of Geophysical Research, 2000, 105, 25379-25389.	3.3	13
171	INTERPLANETARY MAGNETIC FIELD SECTOR FROM SOLAR WIND AROUND PLUTO (SWAP) MEASUREMENTS OF HEAVY ION PICKUP NEAR PLUTO. Astrophysical Journal Letters, 2016, 823, L30.	8.3	13
172	Jovian deep magnetotail composition and structure. Journal of Geophysical Research: Space Physics, 2017, 122, 1763-1777.	2.4	13
173	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
174	Azimuthal Variation in the Io Plasma Torus Observed by the Hisaki Satellite From 2013 to 2016. Journal of Geophysical Research: Space Physics, 2019, 124, 3236-3254.	2.4	13
175	An Enhancement of Jupiter's Main Auroral Emission and Magnetospheric Currents. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027904.	2.4	13
176	Proton Outflow Associated With Jupiter's Auroral Processes. Geophysical Research Letters, 2021, 48, .	4.0	13
177	Energetic Oxygen and Sulfur Charge States in the Outer Jovian Magnetosphere: Insights From the Cassini Jupiter Flyby. Geophysical Research Letters, 2019, 46, 11709-11717.	4.0	12
178	Io's Effect on Energetic Charged Particles as Seen in Juno Data. Geophysical Research Letters, 2019, 46, 13615-13620.	4.0	12
179	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
180	Long-lived particulate or gaseous structure in Saturn's outer magnetosphere?. Nature, 1983, 302, 230-232.	27.8	11

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181	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
182	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
183	Observation of auroral secondary electrons in the Jovian magnetosphere. Geophysical Research Letters, 1990, 17, 291-294.	4.0	10
184	Hubble Space Telescope observations of sulfur ions in the Io plasma torus: New constraints on the plasma distribution. Journal of Geophysical Research, 2003, 108, .	3.3	10
185	Radiation near Jupiter detected by Juno/JEDI during PJ1 and PJ3. Geophysical Research Letters, 2017, 44, 4426-4431.	4.0	10
186	Determining the Alpha to Proton Density Ratio for the New Horizons Solar Wind Observations. Astrophysical Journal, 2018, 866, 85.	4.5	10
187	Transient Change of Io's Neutral Oxygen Cloud and Plasma Torus Observed by Hisaki. Journal of Geophysical Research: Space Physics, 2019, 124, 10318-10331.	2.4	10
188	Longitudinal modulation of the brightness of Io's auroral footprint emission: Comparison with models. Journal of Geophysical Research: Space Physics, 2013, 118, 3336-3345.	2.4	9
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