

# E J Bunce

## List of Publications by Citations

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141  
papers

5,563  
citations

41  
h-index

68  
g-index

145  
ext. papers

6,004  
ext. citations

4.7  
avg, IF

5.33  
L-index

#	Paper	IF	Citations
141	Jupiter ICy moons Explorer (JUICE): An ESA mission to orbit Ganymede and to characterise the Jupiter system. <i>Planetary and Space Science</i> , <b>2013</b> , 78, 1-21	2	308
140	Origin of the main auroral oval in Jupiter's coupled magnetosphere-ionosphere system. <i>Planetary and Space Science</i> , <b>2001</b> , 49, 1067-1088	2	300
139	Morphological differences between Saturn's ultraviolet aurorae and those of Earth and Jupiter. <i>Nature</i> , <b>2005</b> , 433, 717-9	50.4	141
138	Magnetospheric Science Objectives of the Juno Mission. <i>Space Science Reviews</i> , <b>2017</b> , 213, 219-287	7.5	138
137	Response of Jupiter's and Saturn's auroral activity to the solar wind. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		138
136	Reconnection in a rotation-dominated magnetosphere and its relation to Saturn's auroral dynamics. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		138
135	Saturn's polar ionospheric flows and their relation to the main auroral oval. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 1379-1394	2	129
134	Jupiter's polar ionospheric flows: Theoretical interpretation. <i>Geophysical Research Letters</i> , <b>2003</b> , 30, n/a-n/a		120
133	Origin of Saturn's aurora: Simultaneous observations by Cassini and the Hubble Space Telescope. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		117
132	A simple quantitative model of plasma flows and currents in Saturn's polar ionosphere. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		117
131	Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	116
130	Cassini observations of the variation of Saturn's ring current parameters with system size. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		104
129	Interplanetary magnetic field at ~9 AU during the declining phase of the solar cycle and its implications for Saturn's magnetospheric dynamics. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		103
128	The mercury imaging X-ray spectrometer (MIXS) on bepicolombo. <i>Planetary and Space Science</i> , <b>2010</b> , 58, 79-95	2	94
127	Planetary period oscillations in Saturn's magnetosphere: Phase relation of equatorial magnetic field oscillations and Saturn kilometric radiation modulation. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		94
126	Variable morphology of Saturn's southern ultraviolet aurora. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		90
125	Saturn's magnetodisc current sheet. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		86

124	Open flux estimates in Saturn's magnetosphere during the January 2004 Cassini-HST campaign, and implications for reconnection rates. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		86
123	Saturn's magnetic field revealed by the Cassini Grand Finale. <i>Science</i> , <b>2018</b> , 362,	33.3	85
122	Corotation-driven magnetosphere-ionosphere coupling currents in Saturn's magnetosphere and their relation to the auroras. <i>Annales Geophysicae</i> , <b>2003</b> , 21, 1691-1707	2	83
121	In situ observations of a solar wind compression-induced hot plasma injection in Saturn's tail. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	81
120	Field-aligned currents in Saturn's southern nightside magnetosphere: Subcorotation and planetary period oscillation components. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 9847-9899	2.6	79
119	Jovian cusp processes: Implications for the polar aurora. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		78
118	Jupiter's polar ionospheric flows: Measured intensity and velocity variations poleward of the main auroral oval. <i>Geophysical Research Letters</i> , <b>2003</b> , 30, n/a-n/a	4.9	70
117	Field-aligned currents in Saturn's northern nightside magnetosphere: Evidence for interhemispheric current flow associated with planetary period oscillations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 7552-7584	2.6	65
116	Cassini observations of planetary-period magnetic field oscillations in Saturn's magnetosphere: Doppler shifts and phase motion. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	65
115	Response of Jupiter's UV auroras to interplanetary conditions as observed by the Hubble Space Telescope during the Cassini flyby campaign. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		58
114	Auroral current systems in Saturn's magnetosphere: comparison of theoretical models with Cassini and HST observations. <i>Annales Geophysicae</i> , <b>2008</b> , 26, 2613-2630	2	57
113	Magnetic field structure of Saturn's dayside magnetosphere and its mapping to the ionosphere: Results from ring current modeling. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		53
112	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> , <b>2017</b> , 44, 7643-7652	4.9	52
111	Auroral counterpart of magnetic field dipolarizations in Saturn's tail. <i>Planetary and Space Science</i> , <b>2013</b> , 82-83, 34-42	2	52
110	Signature of Saturn's auroral cusp: Simultaneous Hubble Space Telescope FUV observations and upstream solar wind monitoring. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		51
109	Modulation of Jupiter's main auroral oval emissions by solar wind induced expansions and compressions of the magnetosphere. <i>Planetary and Space Science</i> , <b>2003</b> , 51, 57-79	2	51
108	Structure and statistical properties of plasmoids in Jupiter's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 821-843	2.6	49
107	Interplanetary magnetic field control of Saturn's polar cusp aurora. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 1405-1431	4.3	48

106	A multi-instrument view of tail reconnection at Saturn. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		47
105	Divergence of the equatorial current in the dawn sector of Jupiter's magnetosphere: analysis of Pioneer and Voyager magnetic field data. <i>Planetary and Space Science</i> , <b>2001</b> , 49, 1089-1113	2	46
104	Cassini observations of ion and electron beams at Saturn and their relationship to infrared auroral arcs. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		44
103	A simple axisymmetric model of magnetosphere-ionosphere coupling currents in Jupiter's polar ionosphere. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		43
102	Characterization of auroral current systems in Saturn's magnetosphere: High-latitude Cassini observations. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		42
101	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 3323-3330	4.9	41
100	Jovian-like aurorae on Saturn. <i>Nature</i> , <b>2008</b> , 453, 1083-5	50.4	41
99	Complex structure within Saturn's infrared aurora. <i>Nature</i> , <b>2008</b> , 456, 214-7	50.4	40
98	Mapping Magnetospheric Equatorial Regions at Saturn from Cassini Prime Mission Observations. <i>Space Science Reviews</i> , <b>2011</b> , 164, 1-83	7.5	39
97	Investigating Mercury's Environment with the Two-Spacecraft BepiColombo Mission. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	39
96	Thickness of Saturn's ring current determined from north-south Cassini passes through the current layer. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		38
95	A global magnetic model of Saturn's magnetosphere and a comparison with Cassini SOI data. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	38
94	Planetary period oscillations in Saturn's magnetosphere: Coalescence and reversal of northern and southern periods in late northern spring. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 9829-9862	2.6	38
93	The BepiColombo mission: An outstanding tool for investigating the Hermean environment. <i>Planetary and Space Science</i> , <b>2010</b> , 58, 40-60	2	37
92	Saturn's ring current: Local time dependence and temporal variability. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		36
91	Signatures of field-aligned currents in Saturn's nightside magnetosphere. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	36
90	Energetic particle signatures of magnetic field-aligned potentials over Jupiter's polar regions. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 8703-8711	4.9	35
89	Saturn's equinoctial auroras. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	35

88	Characteristics of north jovian aurora from STIS FUV spectral images. <i>Icarus</i> , <b>2016</b> , 268, 215-241	3.8	34
87	Statistical characteristics of field-aligned currents in Saturn's nightside magnetosphere. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		34
86	Saturn's auroral morphology and activity during quiet magnetospheric conditions. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		34
85	Modulation of Jovian middle magnetosphere currents and auroral precipitation by solar wind-induced compressions and expansions of the magnetosphere: initial response and steady state. <i>Planetary and Space Science</i> , <b>2003</b> , 51, 31-56	2	34
84	Origins of Jupiter's main oval auroral emissions. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		34
83	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
82	Magnetosphere-ionosphere mapping at Jupiter: Quantifying the effects of using different internal field models. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2584-2599	2.6	32
81	Recurrent pulsations in Saturn's high latitude magnetosphere. <i>Icarus</i> , <b>2016</b> , 263, 94-100	3.8	31
80	Azimuthal magnetic fields in Saturn's magnetosphere: effects associated with plasma sub-corotation and the magnetopause-tail current system. <i>Annales Geophysicae</i> , <b>2003</b> , 21, 1709-1722	2	31
79	Auroral Processes <b>2009</b> , 333-374		31
78	Cassini multi-instrument assessment of Saturn's polar cap boundary. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8161-8177	2.6	30
77	Planetary Period Oscillations in Saturn's Magnetosphere: Cassini Magnetic Field Observations Over the Northern Summer Solstice Interval. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3859-3899	2.6	30
76	Jupiter's Aurora Observed With HST During Juno Orbits 3 to 7. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3299-3319	2.6	29
75	Extraordinary field-aligned current signatures in Saturn's high-latitude magnetosphere: Analysis of Cassini data during Revolution 89. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		29
74	Distributions of current and auroral precipitation in Jupiter's middle magnetosphere computed from steady-state Hill-Pontius angular velocity profiles: solutions for current sheet and dipole magnetic field models. <i>Planetary and Space Science</i> , <b>2002</b> , 50, 717-734	2	29
73	Local time asymmetry of the equatorial current sheet in Jupiter's magnetosphere. <i>Planetary and Space Science</i> , <b>2001</b> , 49, 261-274	2	29
72	MESSENGER X-ray observations of magnetosphere-surface interaction on the nightside of Mercury. <i>Planetary and Space Science</i> , <b>2016</b> , 125, 72-79	2	28
71	Interplanetary conditions and magnetospheric dynamics during the Cassini orbit insertion fly-through of Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		28

70	Location of Saturn's northern infrared aurora determined from Cassini VIMS images. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	27
69	Nature of the ring current in Saturn's dayside magnetosphere. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		27
68	Ice Giant Systems: The scientific potential of orbital missions to Uranus and Neptune. <i>Planetary and Space Science</i> , <b>2020</b> , 191, 105030	2	26
67	A note on the vector potential of Connerney et al.'s model of the equatorial current sheet in Jupiter's magnetosphere. <i>Planetary and Space Science</i> , <b>2001</b> , 49, 1115-1123	2	26
66	Rationale for BepiColombo Studies of Mercury's Surface and Composition. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	25
65	Saturn's auroral morphology and field-aligned currents during a solar wind compression. <i>Icarus</i> , <b>2016</b> , 263, 83-93	3.8	25
64	The landscape of Saturn's internal magnetic field from the Cassini Grand Finale. <i>Icarus</i> , <b>2020</b> , 344, 113543-54	3.8	24
63	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
62	Implications of rapid planetary rotation for the Dungey magnetotail of Saturn. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		22
61	A note on the ring current in Saturn's magnetosphere: Comparison of magnetic data obtained during the Pioneer-11 and Voyager-1 and -2 fly-bys. <i>Annales Geophysicae</i> , <b>2003</b> , 21, 661-669	2	22
60	Cassini observations of the Interplanetary Medium Upstream of Saturn and their relation to the Hubble Space Telescope aurora data. <i>Advances in Space Research</i> , <b>2006</b> , 38, 806-814	2.4	21
59	Interplanetary magnetic field properties and variability near Mercury's orbit. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 7907-7924	2.6	20
58	Field-aligned currents in Saturn's magnetosphere: Local time dependence of southern summer currents in the dawn sector between midnight and noon. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7785-7804	2.6	20
57	Saturn's Northern Aurorae at Solstice From HST Observations Coordinated With Cassini's Grand Finale. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 9353-9362	4.9	19
56	Saturn's northern auroras as observed using the Hubble Space Telescope. <i>Icarus</i> , <b>2016</b> , 263, 17-31	3.8	18
55	Field-Aligned Currents in Saturn's Nightside Magnetosphere: Subcorotation and Planetary Period Oscillation Components During Northern Spring. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3602-3636	2.6	18
54	Field-Aligned Currents in Saturn's Magnetosphere: Observations From the F-Ring Orbits. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3806-3821	2.6	17
53	Simulating the effect of centrifugal forces in Jupiter's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 1925-1950	2.6	16

52	Cassini nightside observations of the oscillatory motion of Saturn's northern auroral oval. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 3528-3543	2.6	16
51	Axi-symmetric models of auroral current systems in Jupiter's magnetosphere with predictions for the Juno mission. <i>Annales Geophysicae</i> , <b>2008</b> , 26, 4051-4074	2	16
50	Planetary Period Modulation of Reconnection Bursts in Saturn's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9476-9507	2.6	15
49	The BepiColombo Mercury Imaging X-Ray Spectrometer: Science Goals, Instrument Performance and Operations. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	14
48	Periodic Emission Within Jupiter's Main Auroral Oval. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 9192-9198	4.9	14
47	Silicon carbide X-ray detectors for planetary exploration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 604, 174-176	1.2	14
46	Saturn's auroral/polar H <sub>3</sub> <sup>+</sup> infrared emission: The effect of solar wind compression. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		13
45	Variability of IntraD Ring Azimuthal Magnetic Field Profiles Observed on Cassini's Proximal Periapsis Passes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 379-404	2.6	12
44	Comparisons Between Jupiter's X-ray, UV and Radio Emissions and In-Situ Solar Wind Measurements During 2007. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027222	2.6	12
43	IMF dependence of Saturn's auroras: modelling study of HST and Cassini data from 12-15 February 2008. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 1559-1570	2	12
42	Cassini observations of Saturn's southern polar cusp. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3006-3030	2.6	12
41	Magnetosphere-ionosphere coupling at Jupiter: Expectations for Juno Perijove 1 from a steady state axisymmetric physical model. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4497-4505	4.9	11
40	The Dynamics of Saturn's Main Aurorae. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 10283-10294	4.9	11
39	BepiColombo - Mission Overview and Science Goals. <i>Space Science Reviews</i> , <b>2021</b> , 217, 1	7.5	11
38	Field Line Resonance in the Hermean Magnetosphere: Structure and Implications for Plasma Distribution. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 211-228	2.6	10
37	Saturn kilometric radiation intensities during the Saturn auroral campaign of 2013. <i>Icarus</i> , <b>2016</b> , 263, 2-9	3.8	10
36	Solar Wind Interaction With Jupiter's Magnetosphere: A Statistical Study of Galileo In Situ Data and Modeled Upstream Solar Wind Conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 10170-10199	2.6	10
35	Structure of the interplanetary magnetic field during the interval spanning the first Cassini fly-through of Saturn's magnetosphere and its implications for Saturn's magnetospheric dynamics. <i>Advances in Space Research</i> , <b>2005</b> , 36, 2120-2126	2.4	10



34	Hubble Space Telescope Observations of Variations in Ganymede's Oxygen Atmosphere and Aurora. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3777-3793	2.6	10
33	Planetary Period Oscillations in Saturn's Magnetosphere: Comparison of Magnetic and SKR Modulation Periods and Phases During Northern Summer to the End of the Cassini Mission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1157-1172	2.6	9
32	An isolated, bright cusp aurora at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 6121-6138	2.6	9
31	Review of exchange processes on Ganymede in view of its planetary protection categorization. <i>Astrobiology</i> , <b>2013</b> , 13, 991-1004	3.7	9
30	Jupiter's X-ray Emission During the 2007 Solar Minimum. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027219	2.6	9
29	A statistical survey of ultralow-frequency wave power and polarization in the Hermean magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 8755-8772	2.6	9
28	Long-Term Variability of Jupiter's Magnetodisk and Implications for the Aurora. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12,090-12,110	2.6	8
27	Origins of Saturn's Auroral Emissions and their Relationship to Large-Scale Magnetosphere Dynamics. <i>Geophysical Monograph Series</i> , <b>2013</b> , 397-410	1.1	8
26	Solar Intensity X-Ray and Particle Spectrometer SIXS: Instrument Design and First Results. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	8
25	Auroral Storm and Polar Arcs at Saturn: Final Cassini/UVIS Auroral Observations. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 6832-6842	4.9	8
24	Coronal and heliospheric magnetic flux circulation and its relation to open solar flux evolution. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5870-5894	2.6	7
23	A Wide Field Auroral Imager (WFAI) for low Earth orbit missions. <i>Annales Geophysicae</i> , <b>2007</b> , 25, 519-532	2.6	7
22	Saturn's Nightside Dynamics During Cassini's F Ring and Proximal Orbits: Response to Solar Wind and Planetary Period Oscillation Modulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027907	2.6	6
21	Building galaxies, stars, planets and the ingredients for life between the stars. The science behind the European Ultraviolet-Visible Observatory. <i>Astrophysics and Space Science</i> , <b>2014</b> , 354, 229-246	1.6	6
20	An Enhancement of Jupiter's Main Auroral Emission and Magnetospheric Currents. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027904	2.6	6
19	Jupiter's Dark Polar Region as Observed by the Hubble Space Telescope During the Juno Approach Phase. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 9094-9105	2.6	6
18	Determining the Nominal Thickness and Variability of the Magnetodisk Current Sheet at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027794	2.6	6
17	Joint Europa Mission (JEM): a multi-scale study of Europa to characterize its habitability and search for extant life. <i>Planetary and Space Science</i> , <b>2020</b> , 193, 104960	2	5



16	The Ring Current of Saturn. <i>Geophysical Monograph Series</i> , <b>2018</b> , 139-154	1.1	5
15	The Mercury Imaging X-ray Spectrometer: instrument overview <b>2009</b> ,		5
14	Magnetic Field Observations on Cassini's Proximal Periapsis Passes: Planetary Period Oscillations and Mean Residual Fields. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8814-8864	2.6	5
13	Currents Associated With Saturn's Intra-D Ring Azimuthal Field Perturbations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5675-5691	2.6	4
12	A simple empirical model of the equatorial radial field in Jupiter's middle magnetosphere, based on spacecraft fly-by and Galileo orbiter data. <i>Planetary and Space Science</i> , <b>2002</b> , 50, 789-806	2	4
11	A Machine Learning Approach to Classifying MESSENGER FIPS Proton Spectra. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027352	2.6	2
10	Simultaneous Observation of an Auroral Dawn Storm With the Hubble Space Telescope and Juno. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028717	2.6	2
9	Saturn's Auroral Field-Aligned Currents: Observations From the Northern Hemisphere Dawn Sector During Cassini's Proximal Orbits. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027683	2.6	2
8	Isolating auroral FUV emission lines using compact, broadband instrumentation. <i>Planetary and Space Science</i> , <b>2014</b> , 103, 291-298	2	1
7	Solar wind-magnetosphere-ionosphere coupling at Jupiter. <i>Advances in Space Research</i> , <b>2005</b> , 36, 2090-2099	2.6	1
6	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
5	Magnetospheric Science Objectives of the Juno Mission <b>2014</b> , 39-107		1
4	Saturn's Nightside Ring Current During Cassini's Grand Finale. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028605	2.6	0
3	Planetary Period Oscillations of Saturn's Dayside Equatorial Ionospheric Electron Density Observed on Cassini's Proximal Passes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029332	2.6	0
2	The Distribution of Peak-Ring Basins on Mercury and Their Correlation With the High-Mg/Si Terrane. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2021JE006839	4.1	0
1	Seasonal Dependence of the Magnetospheric Drag Torque on Saturn's Northern and Southern Polar Thermospheres and its Relation to the Periods of Planetary Period Oscillations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028247	2.6	