

E J Bunce

List of Publications by Year in descending order

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143
papers

6,653
citations

57758

44
h-index

74163

75
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145
all docs

145
docs citations

145
times ranked

2281
citing authors

#	ARTICLE	IF	CITATIONS
1	MESSENGER X-Ray Observations of Electron Precipitation on the Dayside of Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	8
2	Simultaneous Observation of an Auroral Dawn Storm With the Hubble Space Telescope and Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028717.	2.4	6
3	Saturn's Nightside Ring Current During Cassini's Grand Finale. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028605.	2.4	3
4	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> , 2021, 126, e2021JA029332.	2.4	3
5	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> , 2021, 126, e2021JE006839.	3.6	2
6	Local Time Dependence of Jupiter's Polar Auroral Emissions Observed by Juno UVS. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006954.	3.6	9
7	BepiColombo - Mission Overview and Science Goals. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	76
8	The landscape of Saturn's internal magnetic field from the Cassini Grand Finale. <i>Icarus</i> , 2020, 344, 113541.	2.5	33
9	Jupiter's X-ray Emission During the 2007 Solar Minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027219.	2.4	17
10	Investigating Mercury's Environment with the Two-Spacecraft BepiColombo Mission. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	71
11	Solar Intensity X-Ray and Particle Spectrometer SIXS: Instrument Design and First Results. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	20
12	An Enhancement of Jupiter's Main Auroral Emission and Magnetospheric Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027904.	2.4	13
13	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> , 2020, 125, e2020JA027907.	2.4	14
14	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> , 2020, 125, e2020JA028247.	2.4	1
15	The BepiColombo Mercury Imaging X-Ray Spectrometer: Science Goals, Instrument Performance and Operations. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	36
16	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> , 2020, 125, e2019JA027222.	2.4	24
17	A Machine Learning Approach to Classifying MESSENGER FIPS Proton Spectra. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027352.	2.4	2
18	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> , 2020, 193, 104960.	1.7	15

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19	Ice Giant Systems: The scientific potential of orbital missions to Uranus and Neptune. <i>Planetary and Space Science</i> , 2020, 191, 105030.	1.7	39
20	Rationale for BepiColombo Studies of Mercury's Surface and Composition. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	46
21	Determining the Nominal Thickness and Variability of the Magnetodisc Current Sheet at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027794.	2.4	8
22	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> , 2020, 125, e2019JA027683.	2.4	3
23	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> , 2019, 124, 1157-1172.	2.4	11
24	Currents Associated With Saturn's Intra-D Ring Azimuthal Field Perturbations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5675-5691.	2.4	4
25	Birkeland currents in Jupiter's magnetosphere observed by the polar-orbiting Juno spacecraft. <i>Nature Astronomy</i> , 2019, 3, 904-909.	10.1	40
26	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> , 2019, 124, 10170-10199.	2.4	19
27	The Dynamics of Saturn's Main Aurorae. <i>Geophysical Research Letters</i> , 2019, 46, 10283-10294.	4.0	12
28	Variability of Intra-D Ring Azimuthal Magnetic Field Profiles Observed on Cassini's Proximal Periapsis Passes. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 379-404.	2.4	12
29	Field Line Resonance in the Hermean Magnetosphere: Structure and Implications for Plasma Distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 211-228.	2.4	16
30	Magnetic Field Observations on Cassini's Proximal Periapsis Passes: Planetary Period Oscillations and Mean Residual Fields. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8814-8864.	2.4	6
31	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> , 2019, 124, 9094-9105.	2.4	9
32	Jupiter's Aurora Observed With HST During Juno Orbits 3 to 7. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3299-3319.	2.4	53
33	Planetary Period Modulation of Reconnection Bursts in Saturn's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9476-9507.	2.4	17
34	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
35	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> , 2018, 123, 3602-3636.	2.4	24
36	Field-Aligned Currents in Saturn's Magnetosphere: Observations From the F-Ring Orbits. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3806-3821.	2.4	20

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37	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> , 2018, 123, 3859-3899.	2.4	35
38	Saturn's Northern Aurorae at Solstice From HST Observations Coordinated With Cassini's Grand Finale. <i>Geophysical Research Letters</i> , 2018, 45, 9353-9362.	4.0	24
39	Hubble Space Telescope Observations of Variations in Ganymede's Oxygen Atmosphere and Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3777-3793.	2.4	16
40	Auroral Storm and Polar Arcs at Saturn—Final Cassini/UVIS Auroral Observations. <i>Geophysical Research Letters</i> , 2018, 45, 6832-6842.	4.0	10
41	Saturn's magnetic field revealed by the Cassini Grand Finale. <i>Science</i> , 2018, 362, .	12.6	108
42	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
43	Magnetosphere-ionosphere coupling at Jupiter: Expectations for Juno Perijove 1 from a steady state axisymmetric physical model. <i>Geophysical Research Letters</i> , 2017, 44, 4497-4505.	4.0	15
44	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
45	Periodic Emission Within Jupiter's Main Auroral Oval. <i>Geophysical Research Letters</i> , 2017, 44, 9192-9198.	4.0	24
46	Interplanetary magnetic field properties and variability near Mercury's orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7907-7924.	2.4	39
47	Coronal and heliospheric magnetic flux circulation and its relation to open solar flux evolution. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5870-5894.	2.4	10
48	An isolated, bright cusp aurora at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6121-6138.	2.4	9
49	Magnetospheric Science Objectives of the Juno Mission. <i>Space Science Reviews</i> , 2017, 213, 219-287.	8.1	163
50	Validation of a Geant4 full model for the MIXS instrument at BepiColombo. , 2017, , .		0
51	Long-Term Variability of Jupiter's Magnetodisk and Implications for the Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,090.	2.4	15
52	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> , 2016, 121, 9829-9862.	2.4	42
53	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> , 2016, 121, 7785-7804.	2.4	21
54	Cassini observations of Saturn's southern polar cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3006-3030.	2.4	17

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55	A statistical survey of ultralow-frequency wave power and polarization in the Hermean magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8755-8772.	2.4	11
56	Recurrent pulsations in Saturn's high latitude magnetosphere. <i>Icarus</i> , 2016, 263, 94-100.	2.5	32
57	Characteristics of north jovian aurora from STIS FUV spectral images. <i>Icarus</i> , 2016, 268, 215-241.	2.5	38
58	MESSENGER X-ray observations of magnetosphere-surface interaction on the nightside of Mercury. <i>Planetary and Space Science</i> , 2016, 125, 72-79.	1.7	40
59	Saturn's auroral morphology and field-aligned currents during a solar wind compression. <i>Icarus</i> , 2016, 263, 83-93.	2.5	26
60	Saturn kilometric radiation intensities during the Saturn auroral campaign of 2013. <i>Icarus</i> , 2016, 263, 2-9.	2.5	13
61	Saturn's northern auroras as observed using the Hubble Space Telescope. <i>Icarus</i> , 2016, 263, 17-31.	2.5	20
62	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> , 2015, 120, 7552-7584.	2.4	70
63	Magnetosphere-ionosphere mapping at Jupiter: Quantifying the effects of using different internal field models. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2584-2599.	2.4	35
64	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. <i>Geophysical Research Letters</i> , 2014, 41, 3323-3330.	4.0	43
65	Isolating auroral FUV emission lines using compact, broadband instrumentation. <i>Planetary and Space Science</i> , 2014, 103, 291-298.	1.7	1
66	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> , 2014, 354, 229-246.	1.4	7
67	Structure and statistical properties of plasmoids in Jupiter's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 821-843.	2.4	54
68	Simulating the effect of centrifugal forces in Jupiter's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1925-1950.	2.4	17
69	Field-aligned currents in Saturn's southern nightside magnetosphere: Subcorotation and planetary period oscillation components. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9847-9899.	2.4	87
70	Cassini multi-instrument assessment of Saturn's polar cap boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8161-8177.	2.4	31
71	Cassini nightside observations of the oscillatory motion of Saturn's northern auroral oval. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3528-3543.	2.4	17
72	Magnetospheric Science Objectives of the Juno Mission. , 2014, , 39-107.		3

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73	Auroral counterpart of magnetic field dipolarizations in Saturn's tail. <i>Planetary and Space Science</i> , 2013, 82-83, 34-42.	1.7	53
74	JUpiter ICy moons Explorer (JUICE): An ESA mission to orbit Ganymede and to characterise the Jupiter system. <i>Planetary and Space Science</i> , 2013, 78, 1-21.	1.7	455
75	Review of Exchange Processes on Ganymede in View of Its Planetary Protection Categorization. <i>Astrobiology</i> , 2013, 13, 991-1004.	3.0	16
76	Cassini observations of ion and electron beams at Saturn and their relationship to infrared auroral arcs. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	47
77	Saturn's auroral/polar H ₃ ⁺ infrared emission: The effect of solar wind compression. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
78	Correction to "Cassini observations of ion and electron beams at Saturn and their relationship to infrared auroral arcs". <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	0
79	Location of Saturn's northern infrared aurora determined from Cassini VIMS images. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	28
80	Statistical characteristics of field-aligned currents in Saturn's nightside magnetosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	35
81	Saturn's ring current: Local time dependence and temporal variability. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	39
82	Mapping Magnetospheric Equatorial Regions at Saturn from Cassini Prime Mission Observations. <i>Space Science Reviews</i> , 2011, 164, 1-83.	8.1	40
83	The BepiColombo mission: An outstanding tool for investigating the Hermean environment. <i>Planetary and Space Science</i> , 2010, 58, 40-60.	1.7	43
84	The mercury imaging X-ray spectrometer (MIXS) on bepicolombo. <i>Planetary and Space Science</i> , 2010, 58, 79-95.	1.7	127
85	IMF dependence of Saturn's auroras: modelling study of HST and Cassini data from 12 th –15 February 2008. <i>Annales Geophysicae</i> , 2010, 28, 1559-1570.	1.6	12
86	Nature of the ring current in Saturn's dayside magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
87	Extraordinary field-aligned current signatures in Saturn's high-latitude magnetosphere: Analysis of Cassini data during Revolution 89. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	31
88	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> , 2009, 604, 174-176.	1.6	15
89	Signatures of field-aligned currents in Saturn's nightside magnetosphere. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	37
90	Saturn's equinoctial auroras. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	37

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91	Response of Jupiter's and Saturn's auroral activity to the solar wind. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	161
92	Characterization of auroral current systems in Saturn's magnetosphere: High-latitude Cassini observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	44
93	Thickness of Saturn's ring current determined from north-south Cassini passes through the current layer. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	39
94	The Mercury Imaging X-ray Spectrometer: instrument overview. <i>Proceedings of SPIE</i> , 2009, , .	0.8	8
95	Auroral Processes. , 2009, , 333-374.		34
96	Jovian-like aurorae on Saturn. <i>Nature</i> , 2008, 453, 1083-1085.	27.8	43
97	Complex structure within Saturn's infrared aurora. <i>Nature</i> , 2008, 456, 214-217.	27.8	42
98	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> , 2008, 113, .	3.3	57
99	Saturn's magnetodisc current sheet. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	89
100	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> , 2008, 113, .	3.3	98
101	Origin of Saturn's aurora: Simultaneous observations by Cassini and the Hubble Space Telescope. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	127
102	A multi-instrument view of tail reconnection at Saturn. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	48
103	Auroral current systems in Saturn's magnetosphere: comparison of theoretical models with Cassini and HST observations. <i>Annales Geophysicae</i> , 2008, 26, 2613-2630.	1.6	60
104	Axi-symmetric models of auroral current systems in Jupiter's magnetosphere with predictions for the Juno mission. <i>Annales Geophysicae</i> , 2008, 26, 4051-4074.	1.6	19
105	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> , 2007, 112, n/a-n/a.	3.3	66
106	Cassini observations of the variation of Saturn's ring current parameters with system size. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	108
107	A Wide Field Auroral Imager (WFAI) for low Earth orbit missions. <i>Annales Geophysicae</i> , 2007, 25, 519-532.	1.6	10
108	Cassini observations of planetary-period magnetic field oscillations in Saturn's magnetosphere: Doppler shifts and phase motion. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	69

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109	Saturn's auroral morphology and activity during quiet magnetospheric conditions. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	35
110	A global magnetic model of Saturn's magnetosphere and a comparison with Cassini SOI data. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	44
111	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> , 2006, 38, 806-814.	2.6	25
112	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> , 2005, 36, 2120-2126.	2.6	10
113	Solar wind-magnetosphere-ionosphere coupling at Jupiter. <i>Advances in Space Research</i> , 2005, 36, 2090-2099.	2.6	1
114	Morphological differences between Saturn's ultraviolet aurorae and those of Earth and Jupiter. <i>Nature</i> , 2005, 433, 717-719.	27.8	155
115	Interplanetary magnetic field control of Saturn's polar cusp aurora. <i>Annales Geophysicae</i> , 2005, 23, 1405-1431.	1.6	51
116	Implications of rapid planetary rotation for the Dungey magnetotail of Saturn. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	24
117	Reconnection in a rotation-dominated magnetosphere and its relation to Saturn's auroral dynamics. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	151
118	Variable morphology of Saturn's southern ultraviolet aurora. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	96
119	Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	124
120	In situ observations of a solar wind compression-induced hot plasma injection in Saturn's tail. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	92
121	Interplanetary conditions and magnetospheric dynamics during the Cassini orbit insertion fly-through of Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	33
122	Signature of Saturn's auroral cusp: Simultaneous Hubble Space Telescope FUV observations and upstream solar wind monitoring. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	52
123	A simple axisymmetric model of magnetosphere-ionosphere coupling currents in Jupiter's polar ionosphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	58
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> , 2005, 110, .	3.3	92
125	Saturn's polar ionospheric flows and their relation to the main auroral oval. <i>Annales Geophysicae</i> , 2004, 22, 1379-1394.	1.6	139
126	Jovian cusp processes: Implications for the polar aurora. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	87

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127	A simple quantitative model of plasma flows and currents in Saturn's polar ionosphere. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	134
128	Interplanetary magnetic field at $\hat{a}^{1/4}$ AU during the declining phase of the solar cycle and its implications for Saturn's magnetospheric dynamics. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	114
129	Modulation of Jupiter's main auroral oval emissions by solar wind induced expansions and compressions of the magnetosphere. <i>Planetary and Space Science</i> , 2003, 51, 57-79.	1.7	51
130	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> , 2003, 51, 31-56.	1.7	37
131	Jupiter's polar ionospheric flows: Theoretical interpretation. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	138
132	Jupiter's polar ionospheric flows: Measured intensity and velocity variations poleward of the main auroral oval. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	81
133	Origins of Jupiter's main oval auroral emissions. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	44
134	Azimuthal magnetic fields in Saturn's magnetosphere: effects associated with plasma sub-corotation and the magnetopause-tail current system. <i>Annales Geophysicae</i> , 2003, 21, 1709-1722.	1.6	40
135	Corotation-driven magnetosphere-ionosphere coupling currents in Saturn's magnetosphere and their relation to the auroras. <i>Annales Geophysicae</i> , 2003, 21, 1691-1707.	1.6	99
136	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> , 2003, 21, 661-669.	1.6	28
137	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> , 2002, 50, 789-806.	1.7	5
138	Distributions of current and auroral precipitation in Jupiter's middle magnetosphere computed from steady-state Hill's-Pontius angular velocity profiles: solutions for current sheet and dipole magnetic field models. <i>Planetary and Space Science</i> , 2002, 50, 717-734.	1.7	34
139	Local time asymmetry of the equatorial current sheet in Jupiter's magnetosphere. <i>Planetary and Space Science</i> , 2001, 49, 261-274.	1.7	33
140	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> , 2001, 49, 1115-1123.	1.7	32
141	Origin of the main auroral oval in Jupiter's coupled magnetosphere-ionosphere system. <i>Planetary and Space Science</i> , 2001, 49, 1067-1088.	1.7	335
142	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> , 2001, 49, 1089-1113.	1.7	51
143	Origins of Saturn's Auroral Emissions and their Relationship to Large-Scale Magnetosphere Dynamics. <i>Geophysical Monograph Series</i> , 0, , 397-410.	0.1	8