

Richard B. Horne

List of Publications by Year in descending order

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234
papers

16,931
citations

11608

70
h-index

17055

122
g-index

249
all docs

249
docs citations

249
times ranked

3176
citing authors

#	ARTICLE	IF	CITATIONS
1	Acceleration of Electrons by Whistlerâ€Mode Hiss Waves at Saturn. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7
2	Attentionâ€Based Machine Vision Models and Techniques for Solar Wind Speed Forecasting Using Solar EUV Images. <i>Space Weather</i> , 2022, 20, .	1.3	5
3	Ducted Chorus Waves Cause Subâ€Relativistic and Relativistic Electron Microbursts. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	19
4	Electron Diffusion by Magnetosonic Waves in the Earthâ€™s Radiation Belts. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	3
5	Statistical Investigation of the Frequency Dependence of the Chorus Source Mechanism of Plasmaspheric Hiss. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092725.	1.5	17
6	Magnetic Conjugacy of Pc1 Waves and Isolated Proton Precipitation at Subauroral Latitudes: Importance of Ionosphere as Intensity Modulation Region. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091384.	1.5	10
7	Optimization of Radial Diffusion Coefficients for the Proton Radiation Belt During the CRRES Era. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028486.	0.8	2
8	Comparing Electron Precipitation Fluxes Calculated From Pitch Angle Diffusion Coefficients to LEO Satellite Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028410.	0.8	17
9	Development of Space Weather Reasonable Worstâ€Case Scenarios for the UK National Risk Assessment. <i>Space Weather</i> , 2021, 19, e2020SW002593.	1.3	41
10	ULF Wave Driven Radial Diffusion During Geomagnetic Storms: A Statistical Analysis of Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029024.	0.8	30
11	Direct Evidence Reveals Transmitter Signal Propagation in the Magnetosphere. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093987.	1.5	13
12	Interplanetary Shockâ€Induced Magnetopause Motion: Comparison Between Theory and Global Magnetohydrodynamic Simulations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092554.	1.5	10
13	Frequencyâ€Dependent Modulation of Whistlerâ€Mode Waves by Density Irregularities During the Recovery Phase of a Geomagnetic Storm. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093095.	1.5	5
14	Drift Orbit Bifurcations and Crossâ€Field Transport in the Outer Radiation Belt: Global MHD and Integrated Testâ€Particle Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029802.	0.8	9
15	Crossâ€Coherence of the Outer Radiation Belt During Storms and the Role of the Plasmopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029308.	0.8	5
16	Electron Microbursts Induced by Nonducted Chorus Waves. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	16
17	The Implications of Temporal Variability in Waveâ€Particle Interactions in Earth's Radiation Belts. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL089962.	1.5	9
18	Evaluation of SaRIF Highâ€Energy Electron Reconstructions and Forecasts. <i>Space Weather</i> , 2021, 19, e2021SW002822.	1.3	9

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19	Multi-Parameter Chorus and Plasmaspheric Hiss Wave Models. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028403.	0.8	10
20	On the Variability of EMIC Waves and the Consequences for the Relativistic Electron Radiation Belt Population. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029754.	0.8	19
21	The Satellite Risk Prediction and Radiation Forecast System (SaRIF). <i>Space Weather</i> , 2021, 19, .	1.3	8
22	Conjugate Observation of Magnetospheric Chorus Propagating to the Ionosphere by Ducting. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095933.	1.5	8
23	Forecasting GOES 15 >2% MeV Electron Fluxes From Solar Wind Data and Geomagnetic Indices. <i>Space Weather</i> , 2020, 18, e2019SW002416.	1.3	12
24	Alpha Transmitter Signal Reflection and Triggered Emissions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090165.	1.5	6
25	A New Approach to Constructing Models of Electron Diffusion by EMIC Waves in the Radiation Belts. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088976.	1.5	22
26	Using the Index Over the Last 14 Solar Cycles to Characterize Extreme Geomagnetic Activity. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086524.	1.5	34
27	Particle-in-Cell Simulation of Electron Cyclotron Harmonic Waves Driven by a Loss Cone Distribution. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087649.	1.5	11
28	The Virtual Space Weather Modelling Centre. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 14.	1.1	11
29	Alan S Rodger (1951–2020). <i>Astronomy and Geophysics</i> , 2020, 61, 2.15-2.15.	0.1	0
30	Global Model of Whistler Mode Chorus in the Near-Equatorial Region ($ m < 18^\circ$). <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087311.	1.5	47
31	EMIC Waves Converted From Equatorial Noise Due to $M/Q = 2$ Ions in the Plasmasphere: Observations From Van Allen Probes and Arase. <i>Geophysical Research Letters</i> , 2019, 46, 5662-5669.	1.5	31
32	Generation of EMIC Waves and Effects on Particle Precipitation During a Solar Wind Pressure Intensification With $B_z > 0$. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4492-4508.	0.8	17
33	Rapid Electron Acceleration in Low-Density Regions of Saturn's Radiation Belt by Whistler Mode Chorus Waves. <i>Geophysical Research Letters</i> , 2019, 46, 7191-7198.	1.5	22
34	Solar Cell Degradation Due to Proton Belt Enhancements During Electric Orbit Raising to GEO. <i>Space Weather</i> , 2019, 17, 1059-1072.	1.3	8
35	Variability of Quasilinear Diffusion Coefficients for Plasmaspheric Hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8488-8506.	0.8	27
36	Effects of VLF Transmitter Waves on the Inner Belt and Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5260-5277.	0.8	33

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37	On the Importance of Gradients in the Low-Energy Electron Phase Space Density for Relativistic Electron Acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2628-2642.	0.8	14
38	An Investigation of VLF Transmitter Wave Power in the Inner Radiation Belt and Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5246-5259.	0.8	40
39	Statistical Characteristics of Ionospheric Hiss Waves. <i>Geophysical Research Letters</i> , 2019, 46, 7147-7156.	1.5	13
40	Van Allen Probes Observations of Chorus Wave Vector Orientations: Implications for the Chorus-Hiss Mechanism. <i>Geophysical Research Letters</i> , 2019, 46, 2337-2346.	1.5	36
41	A Risk Assessment Framework for the Socioeconomic Impacts of Electricity Transmission Infrastructure Failure Due to Space Weather: An Application to the United Kingdom. <i>Risk Analysis</i> , 2019, 39, 1022-1043.	1.5	43
42	Richard Mansergh Thorne (1942-2019). <i>Eos</i> , 2019, 100, .	0.1	1
43	The dynamics of Van Allen belts revisited. <i>Nature Physics</i> , 2018, 14, 102-103.	6.5	31
44	Solar proton events and stratospheric ozone depletion over northern Finland. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 177, 218-227.	0.6	9
45	Specification of the near-Earth space environment with SHIELDS. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 177, 148-159.	0.6	31
46	Determination of the Equatorial Electron Differential Flux From Observations at Low Earth Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9574-9596.	0.8	15
47	Global Model of Plasmaspheric Hiss From Multiple Satellite Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4526-4541.	0.8	68
48	A 30-Year Simulation of the Outer Electron Radiation Belt. <i>Space Weather</i> , 2018, 16, 1498-1522.	1.3	46
49	Formation of electron radiation belts at Saturn by Z-mode wave acceleration. <i>Nature Communications</i> , 2018, 9, 5062.	5.8	29
50	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6394-6423.	0.8	20
51	Global Model of Plasmaspheric Hiss from Multiple Satellite Observations. , 2018, , .		0
52	Statistical Properties of Plasmaspheric Hiss From Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2605-2619.	0.8	50
53	Observed Propagation Route of VLF Transmitter Signals in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5528-5537.	0.8	27
54	Strong whistler mode waves observed in the vicinity of Jupiter's moons. <i>Nature Communications</i> , 2018, 9, 3131.	5.8	22

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55	Realistic Worst Case for a Severe Space Weather Event Driven by a Fast Solar Wind Stream. <i>Space Weather</i> , 2018, 16, 1202-1215.	1.3	23
56	Radiation Effects on Satellites During Extreme Space Weather Events. <i>Space Weather</i> , 2018, 16, 1216-1226.	1.3	32
57	Source of the low-altitude hiss in the ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 2060-2069.	1.5	30
58	Quantifying the daily economic impact of extreme space weather due to failure in electricity transmission infrastructure. <i>Space Weather</i> , 2017, 15, 65-83.	1.3	103
59	Interactions between energetic electrons and realistic whistler mode waves in the Jovian magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5355-5364.	0.8	5
60	The magnetic local time distribution of energetic electrons in the radiation belt region. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8108-8123.	0.8	18
61	Kinetics of sub-ion scale magnetic holes in the near-Earth plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,304.	0.8	33
62	The Contribution of Compressional Magnetic Pumping to the Energization of the Earth's Outer Electron Radiation Belt During High-Speed Stream-Driven Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,072.	0.8	7
63	Extreme relativistic electron fluxes in the Earth's outer radiation belt: Analysis of INTEGRAL IREM data. <i>Space Weather</i> , 2017, 15, 917-933.	1.3	16
64	Quasi-linear simulations of inner radiation belt electron pitch angle and energy distributions. <i>Geophysical Research Letters</i> , 2016, 43, 2381-2388.	1.5	70
65	Extreme energetic electron fluxes in low Earth orbit: Analysis of POES >30 , >100 , and >300 keV electrons. <i>Space Weather</i> , 2016, 14, 136-150.	1.3	18
66	Extreme internal charging currents in medium Earth orbit: Analysis of SURF plate currents on Giove-A. <i>Space Weather</i> , 2016, 14, 578-591.	1.3	10
67	Survey of whistler mode chorus intensity at Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9758-9770.	0.8	23
68	Propagation and linear mode conversion of magnetosonic and electromagnetic ion cyclotron waves in the radiation belts. <i>Geophysical Research Letters</i> , 2016, 43, 10,034.	1.5	23
69	A new ionospheric electron precipitation module coupled with RAM-SCB within the geospace general circulation model. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8554-8575.	0.8	40
70	Wave-Driven Diffusion in Radiation Belt Dynamics. , 2016, , 217-243.		6
71	Observations of discrete magnetosonic waves off the magnetic equator. <i>Geophysical Research Letters</i> , 2015, 42, 9694-9701.	1.5	32
72	Space Weather Concerns for All-Electric Propulsion Satellites. <i>Space Weather</i> , 2015, 13, 430-433.	1.3	33

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73	Van Allen probes, NOAA, GOES, and ground observations of an intense EMIC wave event extending over 12 h in magnetic local time. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5465-5488.	0.8	127
74	Identifying the source region of plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2015, 42, 3141-3149.	1.5	25
75	Survey of Saturn Z -mode emission. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6176-6187.	0.8	12
76	Extreme relativistic electron fluxes at geosynchronous orbit: Analysis of GOES $E > 2$ MeV electrons. <i>Space Weather</i> , 2015, 13, 170-184.	1.3	44
77	Trapping and acceleration of upflowing ionospheric electrons in the magnetosphere by electrostatic electron cyclotron harmonic waves. <i>Geophysical Research Letters</i> , 2015, 42, 975-980.	1.5	11
78	The origin of Jupiter's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3490-3502.	0.8	46
79	Effect of plasma density on diffusion rates due to wave particle interactions with chorus and plasmaspheric hiss: extreme event analysis. <i>Annales Geophysicae</i> , 2014, 32, 1059-1071.	0.6	14
80	What characterizes planetary space weather?. <i>Astronomy and Astrophysics Review</i> , 2014, 22, 1.	9.1	23
81	Generation of unusually low frequency plasmaspheric hiss. , 2014, , .		1
82	Global model of low-frequency chorus ($f < LHR$ & $f < 0.1 f_{ce}$) from multiple satellite observations. <i>Geophysical Research Letters</i> , 2014, 41, 280-286.	1.5	39
83	Global morphology and spectral properties of EMIC waves derived from CRRES observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5328-5342.	0.8	161
84	Three-dimensional stochastic modeling of radiation belts in adiabatic invariant coordinates. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7615-7635.	0.8	22
85	Simulating the Earth's radiation belts: Internal acceleration and continuous losses to the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7444-7463.	0.8	27
86	Generation of unusually low frequency plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2014, 41, 5702-5709.	1.5	56
87	Electron losses from the radiation belts caused by EMIC waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8820-8837.	0.8	132
88	Extent of ECH wave emissions in the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5561-5574.	0.8	25
89	Survey analysis of chorus intensity at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8415-8425.	0.8	19
90	Electromagnetic ion cyclotron wave modeling during the geospace environment modeling challenge event. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2963-2977.	0.8	39

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91	Three-dimensional electron radiation belt simulations using the BAS Radiation Belt Model with new diffusion models for chorus, plasmaspheric hiss, and lightning-generated whistlers. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 268-289.	0.8	176
92	Space weather impacts on satellites and forecasting the Earth's electron radiation belts with SPACECAST. <i>Space Weather</i> , 2013, 11, 169-186.	1.3	149
93	Science Goals and Overview of the Radiation Belt Storm Probes (RBSP) Energetic Particle, Composition, and Thermal Plasma (ECT) Suite on NASA's Van Allen Probes Mission. <i>Space Science Reviews</i> , 2013, 179, 311-336.	3.7	463
94	Energetic Charged Particles Above Thunderclouds. <i>Surveys in Geophysics</i> , 2013, 34, 1-41.	2.1	26
95	Global statistical evidence for chorus as the embryonic source of plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2013, 40, 2891-2896.	1.5	56
96	Electron acceleration at Jupiter: input from cyclotron-resonant interaction with whistler-mode chorus waves. <i>Annales Geophysicae</i> , 2013, 31, 1619-1630.	0.6	20
97	Quasi-steady, marginally unstable electron cyclotron harmonic wave amplitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3165-3172.	0.8	21
98	Forecasting the Earth's radiation belts and modelling solar energetic particle events: Recent results from SPACECAST. <i>Journal of Space Weather and Space Climate</i> , 2013, 3, A20.	1.1	22
99	A new diffusion matrix for whistler mode chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6302-6318.	0.8	70
100	Observations of nitric oxide in the Antarctic middle atmosphere during recurrent geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7874-7885.	0.8	9
101	Science Goals and Overview of the Radiation Belt Storm Probes (RBSP) Energetic Particle, Composition, and Thermal Plasma (ECT) Suite on NASA's Van Allen Probes Mission. , 2013, , 311-336.		8
102	Global model of lower band and upper band chorus from multiple satellite observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	229
103	Gyroresonant interactions between the radiation belt electrons and whistler mode chorus waves in the radiation environments of Earth, Jupiter, and Saturn: A comparative study. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49
104	Efficient diffuse auroral electron scattering by electrostatic electron cyclotron harmonic waves in the outer magnetosphere: A detailed case study. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
105	Chorus, ECH, and Z mode emissions observed at Jupiter and Saturn and possible electron acceleration. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49
106	Forecasting the Radiation Belts in Europe. <i>Space Weather</i> , 2012, 10, n/a-n/a.	1.3	0
107	Modeling the properties of plasmaspheric hiss: 2. Dependence on the plasma density distribution. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	38
108	Modeling the properties of plasmaspheric hiss: 1. Dependence on chorus wave emission. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	74

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109	Magnetosonic wave instability analysis for proton ring distributions observed by the LANL magnetospheric plasma analyzer. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	63
110	Importance of plasma injection events for energization of relativistic electrons in the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	9
111	Resonant scattering of plasma sheet electrons leading to diffuse auroral precipitation: 1. Evaluation for electrostatic electron cyclotron harmonic waves. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	86
112	Resonant scattering of plasma sheet electrons leading to diffuse auroral precipitation: 2. Evaluation for whistler mode chorus waves. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	128
113	Evolution of electron pitch angle distributions following injection from the plasma sheet. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	99
114	Energetic electron precipitation during high-speed solar wind stream driven storms. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	110
115	Simulation of the acceleration of relativistic electrons in the inner magnetosphere using RCM-VERB coupled codes. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	22
116	Direct observations of nitric oxide produced by energetic electron precipitation into the Antarctic middle atmosphere. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	38
117	Modeling the evolution of chorus waves into plasmaspheric hiss. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	106
118	Diffuse auroral scattering by whistler mode chorus waves: Dependence on wave normal angle distribution. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	53
119	Saturation characteristics of electromagnetic ion cyclotron waves. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	31
120	Modeling the wave power distribution and characteristics of plasmaspheric hiss. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	61
121	Profound change of the near-Earth radiation environment caused by solar superstorms. <i>Space Weather</i> , 2011, 9, .	1.3	30
122	Recent developments in the radiation belt environment model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1435-1443.	0.6	63
123	Effects of energy and pitch angle mixed diffusion on radiation belt electrons. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 785-795.	0.6	10
124	The statistics of natural ELF/VLF waves derived from a long continuous set of ground-based observations at high latitude. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 463-475.	0.6	23
125	Scattering by chorus waves as the dominant cause of diffuse auroral precipitation. <i>Nature</i> , 2010, 467, 943-946.	13.7	432
126	Origin of energetic electron precipitation >30 keV into the atmosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	171

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127	Global simulation of EMIC wave excitation during the 21 April 2001 storm from coupled RCMâ€RAMâ€HOTRAY modeling. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	120
128	Nonâ€stormtime injection of energetic particles into the slotâ€region between Earth's inner and outer electron radiation belts as observed by STSATâ€1 and NOAAâ€POES. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	8
129	Probing the relationship between electromagnetic ion cyclotron waves and plasmaspheric plumes near geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	31
130	Excitation of electron cyclotron harmonic waves in the inner Saturn magnetosphere within local plasma injections. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	18
131	Global simulation of magnetosonic wave instability in the storm time magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	152
132	Introduction to the special section on Chorus: Chorus and its role in space weather. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	12
133	Dynamics of the Earthâ€™s Particle Radiation Environment. <i>Space Science Reviews</i> , 2009, 147, 187-231.	3.7	160
134	Solar-windâ€magnetosphere coupling, including relativistic electron energization, during high-speed streams. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1059-1072.	0.6	10
135	Radiation belt electron flux variability during three CIR-driven geomagnetic storms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1145-1156.	0.6	13
136	Introduction to Special Issue on high speed solar wind streams and geospace interactions (HSSâ€GI). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1011-1013.	0.6	13
137	Energetic electron precipitation from the outer radiation belt during geomagnetic storms. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	105
138	Threeâ€dimensional ray tracing of VLF waves in a magnetospheric environment containing a plasmaspheric plume. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	76
139	Survey of upper band chorus and ECH waves: Implications for the diffuse aurora. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	134
140	Threeâ€dimensional diffusion simulation of outer radiation belt electrons during the 9 October 1990 magnetic storm. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	160
141	Simulation of EMIC wave excitation in a model magnetosphere including structured highâ€density plumes. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	109
142	Relativistic electron loss timescales in the slot region. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	137
143	Gyro-resonant electron acceleration at Jupiter. <i>Nature Physics</i> , 2008, 4, 301-304.	6.5	84
144	Pc1â€Pc2 waves and energetic particle precipitation during and after magnetic storms: Superposed epoch analysis and case studies. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	96

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145	Radiation Belt Environment model: Application to space weather nowcasting. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	140
146	Electron scattering by whistler-mode ELF hiss in plasmaspheric plumes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	175
147	Three-dimensional test simulations of the outer radiation belt electron dynamics including electron-chorus resonant interactions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	109
148	Survey of magnetosonic waves and proton ring distributions in the Earth's inner magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	174
149	High-Speed Solar Wind Streams: A Call for Key Research. <i>Eos</i> , 2008, 89, 62.	0.1	22
150	Origin of Jovian hiss in the extended Io torus. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	2
151	Evaluation of whistler mode chorus amplification during an injection event observed on CRRES. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	66
152	Survey of ELF-VLF plasma waves in outer radiation belt observed by Cluster STAFF-SA experiment. <i>Annales Geophysicae</i> , 2008, 26, 3269-3277.	0.6	27
153	A survey of Galileo plasma wave instrument observations of Jovian whistler-mode chorus. <i>Annales Geophysicae</i> , 2008, 26, 1819-1828.	0.6	26
154	Low-altitude measurements of 2-6 MeV electron trapping lifetimes at 1.5 \leq L \leq 2.5. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	68
155	Refilling of the slot region between the inner and outer electron radiation belts during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	82
156	Atmospheric temperature responses to solar irradiance and geomagnetic activity. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	16
157	Electron acceleration in the Van Allen radiation belts by fast magnetosonic waves. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	341
158	Modeling the effects of radial diffusion and plasmaspheric hiss on outer radiation belt electrons. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	39
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