George B Hospodarsky

List of Publications by Year in Descending Order

242 papers	9,070 citations	46 h-index	84 g-index
275 ext. papers	10,244 ext. citations	5.9 avg, IF	5.68 L-index

#	Paper	IF	Citations
242	Analysis of Whistler-Mode and Z-Mode Emission in the Juno Primary Mission. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029885	2.6	0
241	Testing the Organization of Lower-Band Whistler-Mode Chorus Wave Properties by Plasmapause Location. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028458	2.6	2
240	Electromagnetic power of lightning superbolts from Earth to space. *Nature Communications*, **2021**, 12, 3553	17.4	4
239	Juno Observations of Ion-Inertial Scale Flux Ropes in the Jovian Magnetotail. *Geophysical Research Letters*, **2021**, 48, e2020GL089721	4.9	2
238	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028484	2.6	2
237	Chorus and Hiss Scales in the Inner Magnetosphere: Statistics From High-Resolution Filter Bank (FBK) Van Allen Proves Multi-Point Measurements. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028998	2.6	0
236	Global Survey of Electron Precipitation due to Hiss Waves in the Earth□ Plasmasphere and Plumes. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029644	2.6	6
235	Inferring Jovian Electron Densities Using Plasma Wave Spectra Obtained by the Juno/Waves Instrument. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029263	2.6	3
234	Quantification of Diffuse Auroral Electron Precipitation Driven by Whistler Mode Waves at Jupiter. *Geophysical Research Letters*, **2021**, 48, e2021GL095457	4.9	1
233	Inter-Calibrated Measurements of Intense Whistlers by Arase and Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029700	2.6	1
232	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. *Geophysical Research Letters*, **2020**, 47, e2020GL089732	4.9	5
231	Global Distribution of Whistler Mode Waves in Jovian Inner Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088198	4.9	9
230	Lifetimes of Relativistic Electrons as Determined From Plasmaspheric Hiss Scattering Rates Statistics: Effects of □pe/□e and Wave Frequency Dependence on Geomagnetic Activity. *Geophysical Research Letters*, **2020**, 47, e2020GL088052	4.9	5
229	Fine Harmonic Structure of Equatorial Noise with a Quasiperiodic Modulation. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027509	2.6	2
228	Analysis of Electric and Magnetic Lightning-Generated Wave Amplitudes Measured by the Van Allen Probes. *Geophysical Research Letters*, **2020**, 47, e2020GL087503	4.9	7
227	Conjugate Observations of Quasiperiodic Emissions by the Van Allen Probes Spacecraft and Ground-Based Station Kannuslehto. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027793	2.6	4
226	Alfv□ic Acceleration Sustains Ganymede's Footprint Tail Aurora. *Geophysical Research Letters*, **2020**, 47, e2019GL086527	4.9	14

225	Whistler Mode Quasiperiodic Emissions: Contrasting Van Allen Probes and DEMETER Occurrence Rates. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027918	2.6	3
224	Energetic Proton Acceleration Associated With Io's Footprint Tail. *Geophysical Research Letters*, **2020**, 47, e2020GL090839	4.9	6
223	How whistler mode hiss waves and the plasmasphere drive the quiet decay of radiation belts electrons following a geomagnetic storm. *Journal of Physics: Conference Series*, **2020**, 1623, 012005	0.3	2
222	Phase Decoherence Within Intense Chorus Wave Packets Constrains the Efficiency of Nonlinear Resonant Electron Acceleration. *Geophysical Research Letters*, **2020**, 47, e2020GL089807	4.9	18
221	Global Survey of Plasma Sheet Electron Precipitation due to Whistler Mode Chorus Waves in Earth's Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088798	4.9	13
220	Wave-Particle Interactions Associated With Io's Auroral Footprint: Evidence of Alfvᅵn, Ion Cyclotron, and Whistler Modes. *Geophysical Research Letters*, **2020**, 47, e2020GL088432	4.9	15
219	Rapid Frequency Variations Within Intense Chorus Wave Packets. *Geophysical Research Letters*, **2020**, 47, e2020GL088853	4.9	15
218	High-Spatiotemporal Resolution Observations of Jupiter Lightning-Induced Radio Pulses Associated With Sferics and Thunderstorms. *Geophysical Research Letters*, **2020**, 47, e2020GL088397	4.9	2
217	A K-Means Clustering Analysis of the Jovian and Terrestrial Magnetopauses: A Technique to Classify Global Magnetospheric Behavior. *Journal of Geophysical Research E: Planets*, **2020**, 125, e2019JE006366	4.1	1
216	Properties of Lightning Generated Whistlers Based on Van Allen Probes Observations and Their Global Effects on Radiation Belt Electron Loss. *Geophysical Research Letters*, **2020**, 47, e2020GL089584	4.9	11
215	Spatial Extent of Quasiperiodic Emissions Simultaneously Observed by Arase and Van Allen Probes on 29 November 2018. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028126	2.6	4
214	Understanding Cassini RPWS Antenna Signals Triggered by Dust Impacts. *Geophysical Research Letters*, **2019**, 46, 10941-10950	4.9	17
213	Properties of Whistler Mode Waves in Earth's Plasmasphere and Plumes. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1035-1051	2.6	26
212	Unified View of Nonlinear Wave Structures Associated with Whistler-Mode Chorus. *Physical Review Letters*, **2019**, 122, 045101	7.4	18
211	Time Scales for Electron Quasi-linear Diffusion by Lower-Band Chorus Waves: The Effects of ᅵpe/ᅵce Dependence on Geomagnetic Activity. *Geophysical Research Letters*, **2019**, 46, 6178-6187	4.9	13
210	Ion Heating by Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves in the Earth's Inner Magnetosphere. *Geophysical Research Letters*, **2019**, 46, 6258-6267	4.9	24
209	Evidence for low density holes in Jupiter's ionosphere. *Nature Communications*, **2019**, 10, 2751	17.4	1
208	Uranus and Neptune missions: A study in advance of the next Planetary Science Decadal Survey. *Planetary and Space Science*, **2019**, 177, 104680	2	31

207	Are Saturn's Interchange Injections Organized by Rotational Longitude?. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1806-1822	2.6	9
206	Quantification of Energetic Electron Precipitation Driven by Plume Whistler Mode Waves, Plasmaspheric Hiss, and Exohiss. *Geophysical Research Letters*, **2019**, 46, 3615-3624	4.9	20
205	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2466-2483	2.6	31
204	A Persistent, Large-Scale, and Ordered Electrodynamic Connection Between Saturn and Its Main Rings. *Geophysical Research Letters*, **2019**, 46, 7166-7172	4.9	2
203	Nonlinear Electron Interaction With Intense Chorus Waves: Statistics of Occurrence Rates. *Geophysical Research Letters*, **2019**, 46, 7182-7190	4.9	29
202	Investigation of Mass-/Charge-Dependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5539-5567	2.6	12
201	Origin of two-band chorus in the radiation belt of Earth. *Nature Communications*, **2019**, 10, 4672	17.4	29
200	Lightning Contribution to Overall Whistler Mode Wave Intensities in the Plasmasphere. *Geophysical Research Letters*, **2019**, 46, 8607-8616	4.9	12
199	Global Survey and Empirical Model of Fast Magnetosonic Waves Over Their Full Frequency Range in Earth's Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 10270-10282	2.6	8
198	Survey of Jupiter's Dawn Magnetosheath Using Juno. *Journal of Geophysical Research: Space Physics* , **2019**, 124, 9106-9123	2.6	9
197	Parallel Acceleration of Suprathermal Electrons Caused by Whistler-Mode Hiss Waves. *Geophysical Research Letters*, **2019**, 46, 12675-12684	4.9	10
196	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1938-1952	2.6	53
195	First Observation of Lion Roar Emission in Saturn's Magnetosheath. *Geophysical Research Letters*, **2018**, 45, 486-492	4.9	2
194	Synthetic Empirical Chorus Wave Model From Combined Van Allen Probes and Cluster Statistics. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 297-314	2.6	61
193	Analysis of Intense Z-Mode Emission Observed During the Cassini Proximal Orbits. *Geophysical Research Letters*, **2018**, 45, 6766-6772	4.9	6
192	Determining the Wave Vector Direction of Equatorial Fast Magnetosonic Waves. *Geophysical Research Letters*, **2018**, 45, 7951-7959	4.9	14
191	Longitudinal Dependence of Whistler Mode Electromagnetic Waves in the Earth's Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6562-6575	2.6	11
190	Auroral Hiss Emissions During Cassini's Grand Finale: Diverse Electrodynamic Interactions Between Saturn and Its Rings. *Geophysical Research Letters*, **2018**, 45, 6782-6789	4.9	8

189	Enceladus Auroral Hiss Emissions During Cassini's Grand Finale. *Geophysical Research Letters*, **2018**, 45, 7347-7353	4.9	12
188	Jupiter Lightning-Induced Whistler and Sferic Events With Waves and MWR During Juno Perijoves. *Geophysical Research Letters*, **2018**, 45, 7268-7276	4.9	9
187	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. *Geophysical Research Letters*, **2018**, 45, 6755-6765	4.9	20
186	Cassini RPWS Dust Observation Near the Janus/Epimetheus Orbit. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4952-4960	2.6	7
185	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. *Nature Astronomy*, **2018**, 2, 544-548	12.1	17
184	Prevalent lightning sferics at 600 megahertz near Jupiter's poles. *Nature*, **2018**, 558, 87-90	50.4	35
183	Artificial Neural Networks for Determining Magnetospheric Conditions **2018**, 279-300		10
182	Properties of Intense Field-Aligned Lower-Band Chorus Waves: Implications for Nonlinear Wave-Particle Interactions. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 5379-5393	2.6	37
181	In situ measurements of Saturn's ionosphere show that it is dynamic and interacts with the rings. *Science*, **2018**, 359, 66-68	33.3	33
180	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons **2018**,		1
179	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons. *Annales Geophysicae*, **2018**, 36, 781-791	2	6
178	Plasmaspheric Hiss: Coherent and Intense. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 10,009-10,029	2.6	13
177	Dust Observations by the Radio and Plasma Wave Science Instrument During Cassini's Grand Finale. *Geophysical Research Letters*, **2018**, 45, 10,101-10,109	4.9	13
176	VLF Transmitters as Tools for Monitoring the Plasmasphere. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9312-9324	2.6	5
175	Equatorial Noise With Quasiperiodic Modulation: Multipoint Observations by the Van Allen Probes Spacecraft. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4809-4819	2.6	3
174	Interchange Injections at Saturn: Statistical Survey of Energetic H+ Sudden Flux Intensifications. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4692-4711	2.6	26
173	The low-frequency source of Saturn's kilometric radiation. *Science*, **2018**, 362,	33.3	13
172	Variation in Plasmaspheric Hiss Wave Power With Plasma Density. *Geophysical Research Letters*, **2018**, 45, 9417-9426	4.9	21

171	In Situ Observations Connected to the Io Footprint Tail Aurora. *Journal of Geophysical Research E: Planets*, **2018**, 123, 3061-3077	4.1	27
170	A hybrid fluxgate and search coil magnetometer concept using a racetrack core. *Geoscientific Instrumentation, Methods and Data Systems*, **2018**, 7, 265-276	1.5	2
169	Quasiperiodic Whistler Mode Emissions Observed by the Van Allen Probes Spacecraft. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8969-8982	2.6	13
168	Juno Constraints on the Formation of Jupiter's Magnetospheric Cushion Region. *Geophysical Research Letters*, **2018**, 45, 9427-9434	4.9	6
167	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. *Geophysical Research Letters*, **2018**, 45, 9372-9379	4.9	13
166	Coherently modulated whistler mode waves simultaneously observed over unexpectedly large spatial scales. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1871-1882	2.6	9
165	Zipper-like periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1600-1610	2.6	11
164	Bayesian spectral analysis of chorus subelements from the Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6088-6106	2.6	19
163	Electron-acoustic solitons and double layers in the inner magnetosphere. *Geophysical Research Letters*, **2017**, 44, 4575-4583	4.9	43
162	An improved sheath impedance model for the Van Allen Probes EFW instrument: Effects of the spin axis antenna. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4420-4429	2.6	16
161	Io-Jupiter decametric arcs observed by Juno/Waves compared to ExPRES simulations. *Geophysical Research Letters*, **2017**, 44, 9225-9232	4.9	14
160	Statistical study of latitudinal beaming of Jupiter's decametric radio emissions using Juno. *Geophysical Research Letters*, **2017**, 44, 4584-4590	4.9	5
159	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. *Science*, **2017**, 356, 826-832	33.3	93
158	Plasma waves in Jupiter's high-latitude regions: Observations from the Juno spacecraft. *Geophysical Research Letters*, **2017**, 44, 4447-4454	4.9	25
157	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. *Geophysical Research Letters*, **2017**, 44, 4419-4425	4.9	18
156	Latitudinal beaming of Jovian decametric radio emissions as viewed from Juno and the Nançay Decameter Array. *Geophysical Research Letters*, **2017**, 44, 4455-4462	4.9	10
155	Jovian bow shock and magnetopause encounters by the Juno spacecraft. *Geophysical Research Letters*, **2017**, 44, 4506-4512	4.9	18
154	Juno-UVS approach observations of Jupiter's auroras. *Geophysical Research Letters*, **2017**, 44, 7668-7675	4.9	19

153	A new view of Jupiter's auroral radio spectrum. *Geophysical Research Letters*, **2017**, 44, 7114-7121	4.9	27
152	Understanding the Origin of Jupiter's Diffuse Aurora Using Juno's First Perijove Observations. *Geophysical Research Letters*, **2017**, 44, 10,162-10,170	4.9	12
151	Diffusive Transport of Several Hundred keV Electrons in the Earth's Slot Region. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,235	2.6	11
150	Systematic Evaluation of Low-Frequency Hiss and Energetic Electron Injections. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,263-10,274	2.6	22
149	Statistical properties of low-frequency plasmaspheric hiss. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8340-8352	2.6	39
148	Very Oblique Whistler Mode Propagation in the Radiation Belts: Effects of Hot Plasma and Landau Damping. *Geophysical Research Letters*, **2017**, 44, 12,057	4.9	13
147	Intense Harmonic Emissions Observed in Saturn's Ionosphere. *Geophysical Research Letters*, **2017**, 44, 12,049	4.9	12
146	Chorus Wave Modulation of Langmuir Waves in the Radiation Belts. *Geophysical Research Letters*, **2017**, 44, 11,713-11,721	4.9	15
145	Direction-finding measurements of Jovian low-frequency radio components by Juno near Perijove 1. *Geophysical Research Letters*, **2017**, 44, 6508-6516	4.9	11
144	The Juno Waves Investigation. *Space Science Reviews*, **2017**, 213, 347-392	7.5	74
143	Juno observations of large-scale compressions of Jupiter's dawnside magnetopause. *Geophysical Research Letters*, **2017**, 44, 7559-7568	4.9	14
142	The Juno Waves Investigation **2017**, 425-470		1
141	Conjugate observations of quasiperiodic emissions by the Cluster, Van Allen Probes, and THEMIS spacecraft. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7647-7663	2.6	14
140	Physical mechanism causing rapid changes in ultrarelativistic electron pitch angle distributions right after a shock arrival: Evaluation of an electron dropout event. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 8300-8316	2.6	14
139	Hiss or equatorial noise? Ambiguities in analyzing suprathermal ion plasma wave resonance. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9619-9631	2.6	3
138	Survey of the frequency dependent latitudinal distribution of the fast magnetosonic wave mode from Van Allen Probes Electric and Magnetic Field Instrument and Integrated Science waveform receiver plasma wave analysis. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2902-2921	2.6	50
137	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. *Geophysical Research Letters*, **2016**, 43, 8867-8875	4.9	58
136	Electron scattering by magnetosonic waves in the inner magnetosphere. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 274-285	2.6	82

135	Hybrid simulation of Titan's interaction with the supersonic solar wind during Cassini's T96 flyby. *Geophysical Research Letters*, **2016**, 43, 35-42	4.9	13
134	Recurrent pulsations in Saturn high latitude magnetosphere. *Icarus*, **2016**, 263, 94-100	3.8	31
133	Saturn kilometric radiation intensities during the Saturn auroral campaign of 2013. *Icarus*, **2016**, 263, 2-9	3.8	10
132	Effects of radial motion on interchange injections at Saturn. *Icarus*, **2016**, 264, 342-351	3.8	29
131	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. *Geophysical Research Letters*, **2016**, 43, 3009-3016	4.9	73
130	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 5520-5536	2.6	52
129	Dust detection in space using the monopole and dipole electric field antennas. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,964-11,972	2.6	21
128	Spaced-based search coil magnetometers. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 12,068-12,079	2.6	14
127	Simulation of energy-dependent electron diffusion processes in the Earth's outer radiation belt. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4217-4231	2.6	34
126	New chorus wave properties near the equator from Van Allen Probes wave observations. *Geophysical Research Letters*, **2016**, 43, 4725-4735	4.9	70
125	Spatial distribution of Langmuir waves observed upstream of Saturn's bow shock by Cassini. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7771-7784	2.6	5
124	Using the cold plasma dispersion relation and whistler mode waves to quantify the antenna sheath impedance of the Van Allen Probes EFW instrument. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4590-4606	2.6	22
123	Characteristic energy range of electron scattering due to plasmaspheric hiss. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,737	2.6	39
122	Ultrarelativistic electron butterfly distributions created by parallel acceleration due to magnetosonic waves. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3212-3222	2.6	31
121	Saturn's quasiperiodic magnetohydrodynamic waves. *Geophysical Research Letters*, **2016**, 43, 11,102	4.9	15
120	Statistical distribution of EMIC wave spectra: Observations from Van Allen Probes. *Geophysical Research Letters*, **2016**, 43, 12,348	4.9	40
119	Direct evidence for EMIC wave scattering of relativistic electrons in space. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6620-6631	2.6	44
118	Plasma Wave Measurements from the Van Allen Probes. *Geophysical Monograph Series*, **2016**, 127-143	1.1	5

117	Plasma Wave Observations with Cassini at Saturn. *Geophysical Monograph Series*, **2016**, 277-289	1.1	
116	A statistical study of whistler waves observed by Van Allen Probes (RBSP) and lightning detected by WWLLN. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2067-2079	2.6	10
115	BARREL observations of an ICME-shock impact with the magnetosphere and the resultant radiation belt electron loss. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2557-2570	2.6	28
114	Statistics of Langmuir wave amplitudes observed inside Saturn's foreshock by the Cassini spacecraft. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2531-2542	2.6	9
113	Global-scale coherence modulation of radiation-belt electron loss from plasmaspheric hiss. *Nature*, **2015**, 523, 193-5	50.4	65
112	Sustained lobe reconnection in Saturn's magnetotail. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 10,257-10,274	2.6	18
111	Electron densities inferred from plasma wave spectra obtained by the Waves instrument on Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 904-914	2.6	303
110	Quasiperpendicular High Mach Number Shocks. *Physical Review Letters*, **2015**, 115, 125001	7.4	41
109	Statistical properties of plasmaspheric hiss derived from Van Allen Probes data and their effects on radiation belt electron dynamics. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 3393-3405	2.6	132
108	Van Allen Probes observation and modeling of chorus excitation and propagation during weak geomagnetic activities. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 6371-6385	2.6	5
107	Weak kinetic Alfvẽn waves turbulence during the 14´November´2012 geomagnetic storm: Van Allen Probes observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 5504-5523	2.6	28
106	Analysis of plasmaspheric hiss wave amplitudes inferred from low-altitude POES electron data: Technique sensitivity analysis. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 3552-3563	2.6	2
105	Analysis of plasmaspheric hiss wave amplitudes inferred from low-altitude POES electron data: Validation with conjunctive Van Allen Probes observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 8681-8691	2.6	4
104	Broadband low-frequency electromagnetic waves in the inner magnetosphere. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 8603-8615	2.6	42
103	Van Allen Probes observations linking radiation belt electrons to chorus waves during 2014 multiple storms. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 938-948	2.6	14
102	Van Allen Probes investigation of the large-scale duskward electric field and its role in ring current formation and plasmasphere erosion in the 1 June 2013 storm. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4531-4543	2.6	32
101	First evidence for chorus at a large geocentric distance as a source of plasmaspheric hiss: Coordinated THEMIS and Van Allen Probes observation. *Geophysical Research Letters*, **2015**, 42, 241-248	4.9	39
100	Titan's interaction with the supersonic solar wind. *Geophysical Research Letters*, **2015**, 42, 193-200	4.9	34

99	Disappearance of plasmaspheric hiss following interplanetary shock. *Geophysical Research Letters*, **2015**, 42, 3129-3140	4.9	29
98	Plasmapause formation at Saturn. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2571-2583	2.6	23
97	Injection, Interchange, and Reconnection. *Geophysical Monograph Series*, **2015**, 327-343	1.1	28
96	Plasmatrough exohiss waves observed by Van Allen Probes: Evidence for leakage from plasmasphere and resonant scattering of radiation belt electrons. *Geophysical Research Letters*, **2015**, 42, 1012-1019	4.9	34
95	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. *Geophysical Research Letters*, **2015**, 42, 987-995	4.9	63
94	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 3325-3332	2.6	82
93	The trapping of equatorial magnetosonic waves in the Earth's outer plasmasphere. *Geophysical Research Letters*, **2014**, 41, 6307-6313	4.9	41
92	Generation of unusually low frequency plasmaspheric hiss. *Geophysical Research Letters*, **2014**, 41, 5702-5709	4.9	44
91	Radiation belt electron acceleration by chorus waves during the 17 March 2013 storm. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 4681-4693	2.6	146
90	Van Allen Probe observations of periodic rising frequencies of the fast magnetosonic mode. *Geophysical Research Letters*, **2014**, 41, 8161-8168	4.9	48
89	Van Allen Probes observations of direct wave-particle interactions. *Geophysical Research Letters*, **2014**, 41, 1869-1875	4.9	26
88	Quantifying the relative contributions of substorm injections and chorus waves to the rapid outward extension of electron radiation belt. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 10,023	2.6	25
87	Observations of kinetic scale field line resonances. *Geophysical Research Letters*, **2014**, 41, 209-215	4.9	52
86	Quantifying hiss-driven energetic electron precipitation: A detailed conjunction event analysis. *Geophysical Research Letters*, **2014**, 41, 1085-1092	4.9	33
85	A novel technique to construct the global distribution of whistler mode chorus wave intensity using low-altitude POES electron data. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5685-5699	2.6	52
84	Ion composition in interchange injection events in Saturn's magnetosphere. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 9761-9772	2.6	22
83	Survey analysis of chorus intensity at Saturn. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8415-8425	2.6	16
82	Saturn chorus latitudinal variations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 4656-4667	2.6	4

81	Fine structure of large-amplitude chorus wave packets. *Geophysical Research Letters*, **2014**, 41, 293-299	4.9	109
80	Resonant scattering of energetic electrons by unusual low-frequency hiss. *Geophysical Research Letters*, **2014**, 41, 1854-1861	4.9	95
79	Whistler anisotropy instabilities as the source of banded chorus: Van Allen Probes observations and particle-in-cell simulations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8288-8298	2.6	77
78	Nonstorm time dynamics of electron radiation belts observed by the Van Allen Probes. *Geophysical Research Letters*, **2014**, 41, 229-235	4.9	49
77	Excitation of nightside magnetosonic waves observed by Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 9125-9133	2.6	22
76	Intense duskside lower band chorus waves observed by Van Allen Probes: Generation and potential acceleration effect on radiation belt electrons. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 4266-4273	2.6	42
75	The science case for an orbital mission to Uranus: Exploring the origins and evolution of ice giant planets. *Planetary and Space Science*, **2014**, 104, 122-140	2	41
74	Evidence of stronger pitch angle scattering loss caused by oblique whistler-mode waves as compared with quasi-parallel waves. *Geophysical Research Letters*, **2014**, 41, 6063-6070	4.9	54
73	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. *Space Science Reviews*, **2013**, 179, 127-181	7.5	760
72	An unusual enhancement of low-frequency plasmaspheric hiss in the outer plasmasphere associated with substorm-injected electrons. *Geophysical Research Letters*, **2013**, 40, 3798-3803	4.9	105
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