

# M J Engebretson

## List of Publications by Citations

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160  
papers

4,573  
citations

37  
h-index

60  
g-index

171  
ext. papers

5,094  
ext. citations

3.4  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
160	Wave acceleration of electrons in the Van Allen radiation belts. <i>Nature</i> , <b>2005</b> , 437, 227-30	50.4	429
159	A statistical study of Pc 3B pulsations observed by the AMPTE/CCE Magnetic Fields Experiment, 1. Occurrence distributions. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 10495		191
158	The dependence of high-latitude PcS wave power on solar wind velocity and on the phase of high-speed solar wind streams. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 26271-26283		142
157	A Physical Model of the Geomagnetic Sudden Commencement. <i>Geophysical Monograph Series</i> , <b>2013</b> , 183-200	1.1	132
156	Cluster observations of EMIC triggered emissions in association with Pc1 waves near Earth's plasmapause. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	110
155	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> , <b>2015</b> , 120, 5465-5488	2.6	105
154	Magnetometer array for cusp and cleft studies observations of the spatial extent of broadband ULF magnetic pulsations at cusp/cleft latitudes. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 19371		91
153	Wave-induced loss of ultra-relativistic electrons in the Van Allen radiation belts. <i>Nature Communications</i> , <b>2016</b> , 7, 12883	17.4	90
152	Theory and observation of electromagnetic ion cyclotron triggered emissions in the magnetosphere. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		85
151	Pc1Bc2 waves and energetic particle precipitation during and after magnetic storms: Superposed epoch analysis and case studies. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		85
150	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 1. Magnetosheath morphology. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 3441		82
149	Observations of two types of Pc 1B pulsations in the outer dayside magnetosphere. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 20-1-SMP 20-20		80
148	Observations of coincident EMIC wave activity and duskside energetic electron precipitation on 18B9 January 2013. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 5727-5735	4.9	76
147	Application and validation of the spherical elementary currents systems technique for deriving ionospheric equivalent currents with the North American and Greenland ground magnetometer arrays. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		76
146	The role of the ionosphere in coupling upstream ULF wave power into the dayside magnetosphere. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 1527-1542		74
145	Simultaneous observation of Pc 3B pulsations in the solar wind and in the Earth's magnetosphere. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 10053		71
144	Investigation of EMIC wave scattering as the cause for the BARREL 17 January 2013 relativistic electron precipitation event: A quantitative comparison of simulation with observations. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 8722-8729	4.9	70

143	In search of a new ULF wave index: Comparison of Pc5 power with dynamics of geostationary relativistic electrons. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 755-769	2	68
142	THEMIS observations of extreme magnetopause motion caused by a hot flow anomaly. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		59
141	Near-Earth initiation of a terrestrial substorm. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		57
140	Pc 1 waves and associated unstable distributions of magnetospheric protons observed during a solar wind pressure pulse. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		54
139	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1938-1952	2.6	53
138	Electron precipitation from EMIC waves: A case study from 31 May 2013. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 3618-3631	2.6	52
137	Ground-based instruments of the PWING project to investigate dynamics of the inner magnetosphere at subauroral latitudes as a part of the ERG-ground coordinated observation network. <i>Earth, Planets and Space</i> , <b>2017</b> , 69,	2.9	51
136	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. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 2902-2921	2.6	50
135	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 2. Field and plasma conditions in the magnetosheath. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 3455		50
134	Temporal and spatial characteristics of Pc1 waves observed by ST5. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		49
133	Characterizing the long-period ULF response to magnetic storms. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		45
132	Cluster observations of Pc 1 $\alpha$ waves and associated ion distributions during the October and November 2003 magnetic storms. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 829-848	2	42
131	Density enhancement in plasmasphere-ionosphere plasma during the 2003 Halloween Superstorm: Observations along the 330th magnetic meridian in North America. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	42
130	Ionospheric signatures of cusp latitude Pc 3 pulsations. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 2447		42
129	Review of hydromagnetic wave studies in the Antarctic. <i>Reviews of Geophysics</i> , <b>1988</b> , 26, 181	23.1	42
128	Nature of Pi1B pulsations as inferred from ground and satellite observations. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	39
127	Impulsive disturbances of the geomagnetic field as a cause of induced currents of electric power lines. <i>Journal of Space Weather and Space Climate</i> , <b>2019</b> , 9, A18	2.5	38
126	Latitudinal and seasonal variations of quasiperiodic and periodic VLF emissions in the outer magnetosphere. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		38

125	Location of intense electromagnetic ion cyclotron (EMIC) wave events relative to the plasmopause: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 4064-4088	2.6	37
124	Periodic and quasiperiodic ELF/VLF emissions observed by an array of Antarctic stations. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 23611-23622		37
123	Bursts of Pc 1-2 near the ionospheric footprint of the cusp and their relationship to flux transfer events. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 1007		37
122	Low-harmonic magnetosonic waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6230-6257	2.6	36
121	Statistical maps of geomagnetic perturbations as a function of the interplanetary magnetic field. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		36
120	Sounding of the plasmasphere by Mid-continent MAGnetoseismic Chain (McMAC) magnetometers. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3077-3086	2.6	35
119	Ducting characteristics of Pc 1 waves at high latitudes on the ground and in space. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		35
118	Multiple harmonic ULF waves in the plasma sheet boundary layer: Instability analysis. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		35
117	Multi-instrument observations from Svalbard of a traveling convection vortex, electromagnetic ion cyclotron wave burst, and proton precipitation associated with a bow shock instability. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 2975-2997	2.6	34
116	Confirmation of EMIC wave-driven relativistic electron precipitation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 5366-5383	2.6	33
115	Statistical study of Pc1 wave propagation characteristics in the high-latitude ionospheric waveguide. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		33
114	Source region of 0.2 to 1.0 Hz geomagnetic pulsation bursts. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 769-772		33
113	Pi1 magnetic pulsations in space and at high latitudes on the ground. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 23581-23591		32
112	Characteristics of broadband ULF magnetic pulsations at conjugate cusp latitude stations. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 311-331		32
111	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2466-2483	2.6	31
110	EMIC triggered chorus emissions in Cluster data. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1159-1169	2.6	30
109	The Morphology of ULF Waves in the Earth's Foreshock. <i>Geophysical Monograph Series</i> , <b>2013</b> , 87-98	1.1	30
108	Magnetic impulse events and associated Pc 1 bursts at dayside high latitudes. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 7793-7799		30

107	A multipoint determination of the propagation velocity of a sudden commencement across the polar ionosphere. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 22433-22451		28
106	A traveling convection vortex event study: Instantaneous ionospheric equivalent currents, estimation of field-aligned currents, and the role of induced currents. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SIA 1-1		27
105	Quiet time magnetotail dynamics and their implications for the substorm trigger. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 6-1-SMP 6-10		27
104	Probing the relationship between electromagnetic ion cyclotron waves and plasmaspheric plumes near geosynchronous orbit. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		26
103	Empirical predictive models of daily relativistic electron flux at geostationary orbit: Multiple regression analysis. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3181-3197	2.6	25
102	Electromagnetic ion cyclotron waves in the helium branch induced by multiple electromagnetic ion cyclotron triggered emissions. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	25
101	Prediction of relativistic electron flux at geostationary orbit following storms: Multiple regression analysis. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7297-7318	2.6	24
100	In situ observations of Pc1 pearl pulsations by the Van Allen Probes. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 1823-1829	4.9	24
99	Correlated irregular magnetic pulsations and optical emissions observed at Siple Station, Antarctica. <i>Journal of Geophysical Research</i> , <b>1983</b> , 88, 4841		23
98	Ground observations and possible source regions of two types of Pc 1-2 micropulsations at very high latitudes. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 27011-27027		22
97	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multiple-Instrument Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7459-7476	2.6	21
96	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 6755-6765	4.9	20
95	Investigating the IMF cone angle control of Pc3-4 pulsations observed on the ground. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 1797-1813	2.6	20
94	Generation of ULF Waves by Fluctuations in the Magnetopause Position. <i>Geophysical Monograph Series</i> , <b>2013</b> , 273-281	1.1	20
93	Structure of ULF Pc3 waves at low altitudes. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		20
92	Ultra-low-frequency waves and associated wave vectors observed in the plasma sheet boundary layer by Cluster. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		20
91	Ground Observations of Transient Cusp Phenomena: Initial Results from MACCS. <i>Geophysical Monograph Series</i> , <b>2013</b> , 427-437	1.1	19
90	Multiple harmonic ULF waves in the plasma sheet boundary layer observed by Cluster. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		19

89	Determining the key drivers of magnetospheric Pc5 wave power. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		19
88	A statistical study of traveling convection vortices using the Magnetometer Array for Cusp and Cleft Studies. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, S1A 18-1		19
87	A study of quasi-periodic ELF-VLF emissions at three Antarctic stations: evidence for off-equatorial generation?. <i>Annales Geophysicae</i> , <b>1994</b> , 12, 139-146	2	19
86	MMS, Van Allen Probes, GOES 13, and Ground-Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 8331-8357	2.6	19
85	Traveling convection vortices induced by solar wind tangential discontinuities. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 22-1-SMP 22-12		17
84	The November 9, 1993, traveling convection vortex event: A case study. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 28041-28058		17
83	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 1. Survey and Statistical Analysis. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7442-7458	2.6	16
82	EMIC Waves in the Outer Magnetosphere: Observations of an Off-Equator Source Region. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 5707-5716	4.9	16
81	Two-dimensional structure of long-period pulsations at polar latitudes in Antarctica. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		16
80	Structure of disturbances in the dayside and nightside ionosphere during periods of negative interplanetary magnetic field Bz. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 28019-28039		16
79	Toroidal standing waves excited by a storm sudden commencement: DE 1 observations. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 7857		16
78	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 6394-6423	2.6	16
77	Conjugate observations of traveling convection vortices associated with transient events at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2015-2035	2.6	15
76	Interaction of magnetospheric Alfvén waves with the ionosphere in the Pc1 frequency band. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 321-337	2.6	15
75	Pi1B pulsations as a possible driver of Alfvénic aurora at substorm onset. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		15
74	On the source of Pc1-2 waves in the plasma mantle. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		15
73	ULF Waves at Very High Latitudes. <i>Geophysical Monograph Series</i> , <b>2006</b> , 137-156	1.1	15
72	Nonlinear and Synergistic Effects of ULF Pc5, VLF Chorus, and EMIC Waves on Relativistic Electron Flux at Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 4755-4766	2.6	14

71	Propagation of perturbation energy fluxes in the subsolar magnetosheath: AMPTE IRM observations. <i>Geophysical Research Letters</i> , <b>1991</b> , 18, 1667-1670	4.9	14
70	A Distributed Lag Autoregressive Model of Geostationary Relativistic Electron Fluxes: Comparing the Influences of Waves, Seed and Source Electrons, and Solar Wind Inputs. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3646-3671	2.6	13
69	Model of electromagnetic ion cyclotron waves in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7541-7565	2.6	12
68	Alfven wave reflection in a curvilinear magnetic field and formation of Alfvenic resonators on open field lines. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		12
67	ULF waves associated with enhanced subauroral proton precipitation. <i>Geophysical Monograph Series</i> , <b>2005</b> , 71-84	1.1	12
66	Transmission of a Magnetospheric Pc1 Wave Beam Through the Ionosphere to the Ground. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3965-3982	2.6	11
65	Comparison of Relativistic Microburst Activity Seen by SAMPEX With Ground-Based Wave Measurements at Halley, Antarctica. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1279-1294	2.6	11
64	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> , <b>2019</b> , 124, 4492-4508	2.6	11
63	Analysis of the effectiveness of ground-based VLF wave observations for predicting or nowcasting relativistic electron flux at geostationary orbit. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2052-2060	2.6	11
62	Searching for ULF signatures of the cusp: Observations from search coil magnetometers and auroral imagers in Svalbard. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		11
61	Statistical characteristics of the spatial distribution of Pc3-4 geomagnetic pulsations at high latitudes in the antarctic regions. <i>Geomagnetism and Aeronomy</i> , <b>2006</b> , 46, 64-73	0.9	11
60	ULF wave power index for space weather and geophysical applications: A review. <i>Russian Journal of Earth Sciences</i> , <b>2017</b> , 17, 1-13	0.9	11
59	Optical Evidence that Modulated Electron Precipitation near the Magnetospheric Boundary Drives High Latitude Pc 3 Magnetic Pulsations <b>1994</b> , 361-373		11
58	Multipoint spacecraft observations of long-lasting poloidal Pc4 pulsations in the dayside magnetosphere on 10 May 2014. <i>Annales Geophysicae</i> , <b>2016</b> , 34, 985-998	2	10
57	ULF Waves in the Topside Ionosphere: Satellite Observations and Modeling <b>2011</b> , 257-269		10
56	Observations of Earth space by self-powered stations in Antarctica. <i>Review of Scientific Instruments</i> , <b>2009</b> , 80, 124501	1.7	10
55	Energetic Proton Spectra Measured by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,129	2.6	9
54	Pc 1 Waves Generated by a Magnetospheric Compression During the Recovery Phase of a Geomagnetic Storm. <i>Geophysical Monograph Series</i> , <b>2013</b> , 399-407	1.1	9

53	Studies of the Occurrence and Properties of Pc 3-4 Magnetic and Auroral Pulsations at South Pole, Antarctica. <i>Geophysical Monograph Series</i> , <b>2013</b> , 345-353	1.1	8
52	PENGUIn multi-instrument observations of dayside high-latitude injections during the 23 March 2007 substorm. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		8
51	Multistation studies of the simultaneous occurrence rate of Pc 3 micropulsations and magnetic impulsive events. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		8
50	Determination of vortex current structure in the high-latitude ionosphere with associated GIC bursts from ground magnetic data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2021</b> , 212, 105514		8
49	Conjugate observations of electromagnetic ion cyclotron waves associated with traveling convection vortex events. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 7336-7352	2.6	7
48	Upstream-generated Pc3 ULF wave signatures observed near the Earth's cusp. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		7
47	The coherence scale length of band-limited Pc3 pulsations in the ionosphere. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 2357-2360	4.9	7
46	Simultaneous observations of traveling convection vortices: Ionosphere-thermosphere coupling. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 4943-4959	2.6	6
45	Statistical relations between the probability of occurrence of Pc3-4 pulsations at high latitudes in the antarctic regions and the solar wind and IMF parameters. <i>Geomagnetism and Aeronomy</i> , <b>2007</b> , 47, 205-215	0.9	6
44	A conjugate study of Pc3 pulsations at cusp latitudes: Is there a clock angle effect?. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 15965-15980		6
43	Frequency variations of quasi-periodic ELF-VLF emissions: A possible new ground-based diagnostic of the outer high-latitude magnetosphere. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 83-97		6
42	Interhemispheric Comparisons of Large Nighttime Magnetic Perturbation Events Relevant to GICs. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028128	2.6	6
41	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 3. Occurrence and Amplitude as Functions of Magnetic Latitude, Local Time, and Magnetic Disturbance Indices. <i>Space Weather</i> , <b>2021</b> , 19, e2020SW002526	3.7	6
40	Generation of resonant Alfvén waves in the auroral oval. <i>Annales Geophysicae</i> , <b>2016</b> , 34, 241-248	2	6
39	Van Allen Probes observations of cross-scale coupling between electromagnetic ion cyclotron waves and higher-frequency wave modes. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,510	4.9	6
38	Fast-moving diffuse auroral patches: A new aspect of daytime Pc3 auroral pulsations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1542-1554	2.6	5
37	The Future of Ground Magnetometer Arrays in Support of Space Weather Monitoring and Research. <i>Space Weather</i> , <b>2017</b> , 15, 1433-1441	3.7	5
36	Source of seed fluctuations for electromagnetic ion cyclotron waves in Earth's magnetosphere. <i>Advances in Space Research</i> , <b>2015</b> , 55, 2573-2583	2.4	5



35	Space-time structure of ion-cyclotron waves in the topside ionosphere as observed onboard the ST-5 satellites. <i>Cosmic Research</i> , <b>2012</b> , 50, 329-339	0.6	5
34	Cluster observations of band-limited Pc 1 waves associated with streaming H <sup>+</sup> and O <sup>+</sup> ions in the high-altitude plasma mantle. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		5
33	Effects of the equatorward auroral boundary location and solar wind parameters on Pc5 activity at auroral zone stations: A multiple regression analysis. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		5
32	Correspondence between the ULF wave power spatial distribution and auroral oval boundaries. <i>Solneĉno-zemnaĉ Fizika</i> , <b>2016</b> , 2, 46-65	1	5
31	Arase Observation of the Source Region of Auroral Arcs and Diffuse Auroras in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027310	2.6	5
30	Electromagnetic Fields of Magnetospheric ULF Disturbances in the Ionosphere: Current/Voltage Dichotomy. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 109-121	2.6	5
29	Lower hybrid frequency range waves generated by ion polarization drift due to electromagnetic ion cyclotron waves: Analysis of an event observed by the Van Allen Probe B. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 449-463	2.6	4
28	Simultaneous traveling convection vortex events and Pc1 wave bursts at cusp latitudes observed in Arctic Canada and Svalbard. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 6352-6363	2.6	4
27	The Combined Influence of Lower Band Chorus and ULF Waves on Radiation Belt Electron Fluxes at Individual L-Shells. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028755	2.6	4
26	Purple Auroral Rays and Global Pc1 Pulsations Observed at the CIR-Associated Solar Wind Density Enhancement on 21 March 2017. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 10,819	4.9	4
25	Ground-Based Observations of VLF Waves as a Proxy for Satellite Observations: Development of Models Including the Influence of Solar Illumination and Geomagnetic Disturbance Levels. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2682-2696	2.6	3
24	Periodic modulation of Pc3 and Pc4 pulsations in the polar cap by interplanetary and atmospheric processes. <i>Geomagnetism and Aeronomy</i> , <b>2008</b> , 48, 307-313	0.9	3
23	Magnetic Conjugacy of Pc1 Waves and Isolated Proton Precipitation at Subauroral Latitudes: Importance of Ionosphere as Intensity Modulation Region. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091384	4.9	3
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