Timothy k Yeoman

List of Publications by Year
in descending order

244	6,006	76326	118850
papers	citations	40 h-index	62 g-index

249	249	249	2090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A decade of the Super Dual Auroral Radar Network (SuperDARN): scientific achievements, new techniques and future directions. Surveys in Geophysics, 2007, 28, 33-109.	4.6	554
2	Ionospheric electron heating, optical emissions, and striations induced by powerful HF radio waves at high latitudes: Aspect angle dependence. Journal of Geophysical Research, 2003, 108, .	3.3	161
3	Reconnection in a rotation-dominated magnetosphere and its relation to Saturn's auroral dynamics. Journal of Geophysical Research, 2005, 110, .	3.3	151
4	Initial backscatter occurrence statistics from the CUTLASS HF radars. Annales Geophysicae, 1997, 15, 703-718.	1.6	141
5	Phase and spectral power of mid-latitude Pi2 pulsations: Evidence for a plasmaspheric cavity resonance. Planetary and Space Science, 1989, 37, 1367-1383.	1.7	107
6	CUTLASS Finland radar observations of the ionospheric signatures of flux transfer events and the resulting plasma flows. Annales Geophysicae, 1998, 16, 1411-1422.	1.6	93
7	Jovian cusp processes: Implications for the polar aurora. Journal of Geophysical Research, 2004, 109, .	3.3	87
8	Interferometric evidence for the observation of ground backscatter originating behind the CUTLASS coherent HF radars. Annales Geophysicae, 1997, 15, 29-39.	1.6	76
9	First simultaneous observations of flux transfer events at the high-latitude magnetopause by the Cluster spacecraft and pulsed radar signatures in the conjugate ionosphere by the CUTLASS and EISCAT radars. Annales Geophysicae, 2001, 19, 1491-1508.	1.6	76
10	Stereo CUTLASS - A new capability for the SuperDARN HF radars. Annales Geophysicae, 2004, 22, 459-473.	1.6	74
11	Mapping ionospheric backscatter measured by the SuperDARN HF radars â€“ Part 1: A new empirical virtual height model. Annales Geophysicae, 2008, 26, 823-841.	1.6	73
12	Pi2 pulsation polarization patterns on the U.K. sub-auroral magnetometer network (SAMNET). Planetary and Space Science, 1990, 38, 589-602.	1.7	71
13	Observations of isolated polar cap patches by the European Incoherent Scatter (EISCAT) Svalbard and Super Dual Auroral Radar Network (SuperDARN) Finland radars. Journal of Geophysical Research, 2006, 111, .	3.3	62
14	A flux transfer event observed at the magnetopause by the Equator-S spacecraft and in the ionosphere by the CUTLASS HF radar. Annales Geophysicae, 1999, 17, 707-711.	1.6	61
15	Simultaneous observations of the cusp in optical, DMSP and HF radar data. Geophysical Research Letters, 1997, 24, 2251-2254.	4.0	60
16	High-latitude pump-induced optical emissions for frequencies close to the third electron gyro-harmonic. Geophysical Research Letters, 2002, 29, 27-1-27-4.	4.0	59
17	A survey of magnetopause FTEs and associated flow bursts in the polar ionosphere. Annales Geophysicae, 2000, 18, 416-435.	1.6	58
18	HF radar polar patch formation revisited: summer and winter variations in dayside plasma structuring. Annales Geophysicae, 2002, 20, 487-499.	1.6	58

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19	The spatioâ€temporal characteristics of ULF waves driven by substorm injected particles. Journal of Geophysical Research: Space Physics, 2013, 118, 1737-1749.	2.4	58
20	A superposed epoch analysis of geomagnetic storms. Annales Geophysicae, 1994, 12, 612-624.	1.6	57
21	A statistical survey of dayside pulsed ionospheric flows as seen by the CUTLASS Finland HF radar. Annales Geophysicae, 2000, 18, 445-453.	1.6	56
22	Magnetospheric response to magnetosheath pressure pulses: A lowâ€pass filter effect. Journal of Geophysical Research: Space Physics, 2013, 118, 5454-5466.	2.4	53
23	Superposed epoch analysis of the ionospheric convection evolution during substorms: onset latitude dependence. Annales Geophysicae, 2009, 27, 591-600.	1.6	52
24	Coordinated ground-based and Cluster observations of large amplitude global magnetospheric oscillations during a fast solar wind speed interval. Annales Geophysicae, 2002, 20, 405-426.	1.6	51
25	The influence of the IMFBycomponent on the location of pulsed flows in the dayside ionosphere observed by an HF radar. Geophysical Research Letters, 1999, 26, 521-524.	4.0	50
26	A quantitative analysis of the diurnal evolution of Ionospheric AlfvÃ©n resonator magnetic resonance features and calculation of changing IAR parameters. Annales Geophysicae, 2005, 23, 1711-1721.	1.6	50
27	A comparison of midlatitude Pi 2 pulsations and geostationary orbit particle injections as substorm indicators. Journal of Geophysical Research, 1994, 99, 4085.	3.3	49
28	Artificial small-scale field-aligned irregularities in the high latitude F region of the ionosphere induced by an X-mode HF heater wave. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	48
29	ULF waves with drift resonance and drift-bounce resonance energy sources as observed in artificially-induced HF radar backscatter. Annales Geophysicae, 2001, 19, 159-170.	1.6	48
30	Excitation of twin-vortex flow in the nightside high-latitude ionosphere during an isolated substorm. Annales Geophysicae, 2002, 20, 1577-1601.	1.6	47
31	The influence of IMF By on the nature of the nightside high-latitude ionospheric flow during intervals of positive IMF Bz. Annales Geophysicae, 2004, 22, 1755-1764.	1.6	47
32	Reconnection sites of spatial cusp structures. Journal of Geophysical Research, 2005, 110, .	3.3	46
33	Interhemispheric observations of the ionospheric signature of tail reconnection during IMF-northward non-substorm intervals. Annales Geophysicae, 2005, 23, 1763-1770.	1.6	45
34	Statistical observations of the MLT, latitude and size of pulsed ionospheric flows with the CUTLASS Finland radar. Annales Geophysicae, 1999, 17, 855-867.	1.6	42
35	An evaluation of range accuracy in the Super Dual Auroral Radar Network over-the-horizon HF radar systems. Radio Science, 2001, 36, 801-813.	1.6	42
36	First simultaneous measurements of waves generated at the bow shock in the solar wind, the magnetosphere and on the ground. Annales Geophysicae, 2009, 27, 357-371.	1.6	42

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37	Multi-instrument observations of the ionospheric counterpart of a bursty bulk flow in the near-Earth plasma sheet. Annales Geophysicae, 2004, 22, 1061-1075.	1.6	41
38	The dayside auroral zone as a hard target for coherent HF radars. Geophysical Research Letters, 1998, 25, 3717-3720.	4.0	40
39	High-latitude observations of ULF waves with large azimuthal wavenumbers. Journal of Geophysical Research, 2000, 105, 5453-5462.	3.3	40
40	Mapping ionospheric backscatter measured by the SuperDARN HF radars â€“ Part 2: Assessing SuperDARN virtual height models. Annales Geophysicae, 2008, 26, 843-852.	1.6	40
41	MESSENGER X-ray observations of magnetosphereâ€“surface interaction on the nightside of Mercury. Planetary and Space Science, 2016, 125, 72-79.	1.7	40
42	A comparison of velocity measurements from the CUTLASS Finland radar and the EISCAT UHF system. Annales Geophysicae, 1999, 17, 892-902.	1.6	39
43	First observations of SPEAR-induced artificial backscatter from CUTLASS and the EISCAT Svalbard radars. Annales Geophysicae, 2006, 24, 291-309.	1.6	39
44	Magnetosonic Mach number dependence of the efficiency of reconnection between planetary and interplanetary magnetic fields. Journal of Geophysical Research, 2009, 114, .	3.3	39
45	Simultaneous conjugate observations of smallâ€scale structures in Saturn's dayside ultraviolet auroras: Implications for physical origins. Journal of Geophysical Research: Space Physics, 2013, 118, 2244-2266.	2.4	39
46	Interplanetary magnetic field properties and variability near Mercury's orbit. Journal of Geophysical Research: Space Physics, 2017, 122, 7907-7924.	2.4	39
47	High spatial and temporal resolution observations of an impulse-driven field line resonance in radar backscatter artificially generated with the TromsÃ¸ heater. Annales Geophysicae, 1997, 15, 634-644.	1.6	38
48	The detection of atmospheric waves produced by the total solar eclipse of 11 August 1999. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 363-374.	1.6	38
49	Superposed epoch analysis of the ionospheric convection evolution during substorms: IMF B_Y dependence. Journal of Geophysical Research, 2010, 115, .	3.3	38
50	Multiâ€instrument observations from Svalbard of a traveling convection vortex, electromagnetic ion cyclotron wave burst, and proton precipitation associated with a bow shock instability. Journal of Geophysical Research: Space Physics, 2013, 118, 2975-2997.	2.4	38
51	Optical and ionospheric phenomena at EISCAT under continuous Xâ€mode HF pumping. Journal of Geophysical Research: Space Physics, 2014, 119, 10,483.	2.4	38
52	Ground-based and Polar spacecraft observations of a giant (Pg) pulsation and its associated source mechanism. Journal of Geophysical Research, 2001, 106, 10837-10852.	3.3	37
53	Radar observations of auroral zone flows during a multiple-onset substorm. Annales Geophysicae, 1995, 13, 1144-1163.	1.6	36
54	Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. Annales Geophysicae, 2007, 25, 1709-1720.	1.6	36

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55	The BepiColombo Mercury Imaging X-Ray Spectrometer: Science Goals, Instrument Performance and Operations. Space Science Reviews, 2020, 216, 1.	8.1	36
56	CUTLASS/IMAGE observations of high-latitude convection features during substorms. Annales Geophysicae, 1997, 15, 692-702.	1.6	35
57	FAST observations of ULF waves injected into the magnetosphere by means of modulated RF heating of the auroral electrojet. Geophysical Research Letters, 2000, 27, 3165-3168.	4.0	35
58	Temporal versus spatial interpretation of cusp ion structures observed by two spacecraft. Journal of Geophysical Research, 2002, 107, SMP 9-1.	3.3	35
59	Interplanetary magnetic field control of fast azimuthal flows in the nightside highâ€latitude ionosphere. Geophysical Research Letters, 2008, 35, .	4.0	35
60	Thermal ion upflow in the cusp ionosphere and its dependence on soft electron energy flux. Journal of Geophysical Research, 2010, 115, .	3.3	35
61	Two-dimensional electric field measurements in the ionospheric footprint of a flux transfer event. Annales Geophysicae, 2000, 18, 1584-1598.	1.6	34
62	A study of Pc5 hydromagnetic waves with equatorward phase propagation. Planetary and Space Science, 1992, 40, 797-810.	1.7	32
63	Modification of the high latitude ionosphere F region by X-mode powerful HF radio waves: Experimental results from multi-instrument diagnostics. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 135, 50-63.	1.6	32
64	Variations in the polar cap area during intervals of substorm activity on 20-21 March 1990 deduced from AMIE convection patterns. Annales Geophysicae, 1996, 14, 879-887.	1.6	31
65	On the coupling between unstable magnetospheric particle populations and resonant high <i>m</i> ULF wave signatures in the ionosphere. Annales Geophysicae, 2005, 23, 567-577.	1.6	31
66	Cassini multiâ€instrument assessment of Saturn's polar cap boundary. Journal of Geophysical Research: Space Physics, 2014, 119, 8161-8177.	2.4	31
67	Solar wind and substorm excitation of the wavy current sheet. Annales Geophysicae, 2009, 27, 2457-2474.	1.6	30
68	AXIOM: advanced X-ray imaging of the magnetosphere. Experimental Astronomy, 2012, 33, 403-443.	3.7	30
69	Multiradar observations of substormâ€driven ULF waves. Journal of Geophysical Research: Space Physics, 2016, 121, 5213-5232.	2.4	30
70	Substormâ€associated radar auroral surges. Journal of Geophysical Research, 1992, 97, 12173-12185.	3.3	29
71	The dayside ultraviolet aurora and convection responses to a southward turning of the interplanetary magnetic field. Annales Geophysicae, 2001, 19, 707-721.	1.6	29
72	Morning sector drift-bounce resonance driven ULF waves observed in artificially-induced HF radar backscatter. Annales Geophysicae, 2002, 20, 1487-1498.	1.6	29

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73	SuperDARN observations of highâ€m ULF waves with curved phase fronts and their interpretation in terms of transverse resonator theory. Journal of Geophysical Research, 2012, 117, .	3.3	29
74	Polarization, propagation and MHD wave modes of Pi2 pulsations : SABRE/SAMNET results. Planetary and Space Science, 1991, 39, 983-998.	1.7	28
75	Observations of a giant pulsation across an extended array of ground magnetometers and on auroral radar. Planetary and Space Science, 1992, 40, 953-964.	1.7	28
76	A statistical study of unstable particle populations in the global ringcurrent and their relation to the generation of high <i>m</i> ULF waves. Annales Geophysicae, 2004, 22, 4229-4241.	1.6	28
77	HF doppler sounder measurements of the ionospheric signatures of small scale ULF waves. Annales Geophysicae, 2005, 23, 1807-1820.	1.6	28
78	Ionospheric boundary conditions of hydromagnetic waves: The dependence on azimuthal wavenumber and a case study. Planetary and Space Science, 1990, 38, 1315-1325.	1.7	27
79	Combined CUTLASS, EISCAT and ESR observations of ionospheric plasma flows at the onset of an isolated substorm. Annales Geophysicae, 2000, 18, 1073-1087.	1.6	27
80	The thresholds of ionospheric plasma instabilities pumped by highâ€frequency radio waves at EISCAT. Journal of Geophysical Research: Space Physics, 2013, 118, 7472-7481.	2.4	27
81	The UV aurora and ionospheric flows during flux transfer events. Annales Geophysicae, 2001, 19, 179-188.	1.6	27
82	Ground-based observations of the auroral zone and polar cap ionospheric responses to dayside transient reconnection. Annales Geophysicae, 2002, 20, 781-794.	1.6	27
83	Multi-instrument observations of the electric and magnetic field structure of omega bands. Annales Geophysicae, 2000, 18, 99-110.	1.6	26
84	Interhemispheric asymmetries in the occurrence of magnetically conjugate sub-auroral polarisation streams. Annales Geophysicae, 2005, 23, 1371-1390.	1.6	26
85	Phenomena in the High-Latitude Ionospheric F Region Induced by a HF Heater Wave at Frequencies Near the Fourth Electron Gyroharmonic. Radiophysics and Quantum Electronics, 2014, 57, 1-19.	0.5	26
86	High-latitude HF Doppler observations of ULF waves. 1. Waves with large spatial scale sizes. Annales Geophysicae, 1997, 15, 1548-1556.	1.6	25
87	SuperDARN radar HF propagation and absorption response to the substorm expansion phase. Annales Geophysicae, 2002, 20, 1631-1645.	1.6	25
88	Intermediate-<I>m</I> ULF waves generated by substorm injection: a case study. Annales Geophysicae, 2010, 28, 1499-1509.	1.6	25
89	Plasma modifications induced by an X-mode HF heater wave in the high latitude F region of the ionosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 105-106, 231-244.	1.6	25
90	Periodic Emission Within Jupiter's Main Auroral Oval. Geophysical Research Letters, 2017, 44, 9192-9198.	4.0	24

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91	Solarâ€“windâ€“magnetosphereâ€“ionosphere interactions in the Earth's plasma environment. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 113-126.	3.4	23
92	Space Plasma Exploration by Active Radar (SPEAR): an overview of a future radar facility. Annales Geophysicae, 2000, 18, 1248-1255.	1.6	22
93	Modification of the High-Latitude Ionospheric F Region By High-Power HF Radio Waves at Frequencies Near the fifth and Sixth Electron Gyroharmonics. Radiophysics and Quantum Electronics, 2016, 58, 561-585.	0.5	22
94	Ionospheric cusp flows pulsed by solar wind AlfvÃ©n waves. Annales Geophysicae, 2002, 20, 161-174.	1.6	22
95	Post-noon two-minute period pulsating aurora and their relationship to the dayside convection pattern. Annales Geophysicae, 1999, 17, 877-891.	1.6	21
96	Revised time-of-flight calculations for high-latitude geomagnetic pulsations using a realistic magnetospheric magnetic field model. Journal of Geophysical Research, 2005, 110, .	3.3	21
97	HF radar observations of high-aspect angle backscatter from the E-region. Annales Geophysicae, 2004, 22, 829-847.	1.6	20
98	Saturation and hysteresis effects in ionospheric modification experiments observed by the CUTLASS and EISCAT radars. Annales Geophysicae, 2006, 24, 543-553.	1.6	20
99	Stimulated Brillouin scattering during electron gyro-harmonic heating at EISCAT. Annales Geophysicae, 2015, 33, 983-990.	1.6	20
100	Cusp structures: combining multi-spacecraft observations with ground-based observations. Annales Geophysicae, 2003, 21, 2031-2041.	1.6	20
101	Multi-frequency HF radar measurements of artificial F-region field-aligned irregularities. Annales Geophysicae, 2004, 22, 3503-3511.	1.6	20
102	A statistical study of magnetospheric ion composition along the geomagnetic field using the Cluster spacecraft for L values between 5.9 and 9.5. Journal of Geophysical Research: Space Physics, 2016, 121, 2194-2208.	2.4	19
103	Simultaneous observations of magnetopause flux transfer events and of their associated signatures at ionospheric altitudes. Annales Geophysicae, 2004, 22, 2181-2199.	1.6	19
104	High resolution bistatic HF radar observations of ULF waves in artificially generated backscatter. Geophysical Research Letters, 1999, 26, 2825-2828.	4.0	18
105	Phenomena induced by powerful HF pumping towards magnetic zenith with a frequency near the F-region critical frequency and the third electron gyro harmonic frequency. Annales Geophysicae, 2009, 27, 131-145.	1.6	18
106	The dependence of magnetospheric plasma mass loading on geomagnetic activity using Cluster. Journal of Geophysical Research: Space Physics, 2017, 122, 9371-9395.	2.4	18
107	Statistics of Pc 5 pulsation events observed by SABRE. Planetary and Space Science, 1991, 39, 1239-1247.	1.7	17
108	SuperDARN studies of the ionospheric convection response to a northward turning of the interplanetary magnetic field. Annales Geophysicae, 1998, 16, 549-565.	1.6	17

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109	An interhemispheric study of the ground magnetic and ionospheric electric fields during the substorm growth phase and expansion phase onset. Journal of Geophysical Research, 1999, 104, 14867-14877.	3.3	17
110	Towards a synthesis of substorm electrodynamics: HF radar and auroral observations. Annales Geophysicae, 2006, 24, 3365-3381.	1.6	17
111	Automatically determining the origin direction and propagation mode of high-frequency radar backscatter. Radio Science, 2015, 50, 1225-1245.	1.6	17
112	<i>Letter to the Editor</i>A statistical study of the location and motion of the HF radar cusp. Annales Geophysicae, 2002, 20, 275-280.	1.6	17
113	Development of substorm cross-tail current disruption as seen from the ground. Journal of Geophysical Research, 1995, 100, 9633.	3.3	16
114	The reconnection site of temporal cusp structures. Journal of Geophysical Research, 2008, 113, .	3.3	16
115	Local determination of ionospheric plasma convection from coherent scatter radar data using the SECS technique. Journal of Geophysical Research, 2010, 115, .	3.3	16
116	Field Line Resonance in the Hermean Magnetosphere: Structure and Implications for Plasma Distribution. Journal of Geophysical Research: Space Physics, 2019, 124, 211-228.	2.4	16
117	<i>Letter to the Editor</i> Simultaneous observations of the ionospheric footprint of flux transfer events and dispersed ion signatures. Annales Geophysicae, 2002, 20, 281-287.	1.6	16
118	High-latitude observations of impulse-driven ULF pulsations in the ionosphere and on the ground. Annales Geophysicae, 2003, 21, 559-576.	1.6	16
119	Characteristics of MHD waves associated with storm sudden commencements observed by SABRE and ground magnetometers. Planetary and Space Science, 1990, 38, 603-616.	1.7	15
120	<i>Letter to the editor</i>CUTLASS observations of a high-m ULF wave and its consequences for the DOPE HF Doppler sounder. Annales Geophysicae, 1999, 17, 1493-1497.	1.6	15
121	Bistatic observations of large and small scale ULF waves in SPEAR-induced HF coherent backscatter. Annales Geophysicae, 2008, 26, 2253-2263.	1.6	15
122	High-latitude HF Doppler observations of ULF waves: 2. Waves with small spatial scale sizes. Annales Geophysicae, 1999, 17, 868-876.	1.6	14
123	Dynamic subauroral ionospheric electric fields observed by the Falkland Islands radar during the course of a geomagnetic storm. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	14
124	The effects of modification of a high-latitude ionosphere by high-power HF radio waves. Part 1. Results of multi-instrument ground-based observations. Radiophysics and Quantum Electronics, 2011, 53, 512-531.	0.5	14
125	Variations of Highâ€Latitude Geomagnetic Pulsation Frequencies: A Comparison of Timeâ€ofâ€Flight Estimates and IMAGE Magnetometer Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 567-586.	2.4	14
126	A comparison of field-line resonances observed at the Goose Bay and Wick radars. Annales Geophysicae, 1997, 15, 231-235.	1.6	13

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127	A statistical study of magnetospheric electron density using the Cluster spacecraft. Journal of Geophysical Research: Space Physics, 2016, 121, 11,042.	2.4	13
128	Phase calibration of interferometer arrays at highâ€frequency radars. Radio Science, 2016, 51, 1445-1456.	1.6	13
129	Distinctive Features of Langmuir and Ionâ€Acoustic Turbulences Induced by Oâ€•and Xâ€Mode HF Pumping at EISCAT. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028203.	2.4	13
130	Simultaneous observation of a traveling vortex structure in the morning sector and a field line resonance in the postnoon sector. Journal of Geophysical Research, 1994, 99, 8891.	3.3	12
131	A comparison of EISCAT and HF Doppler observations of a ULF wave. Annales Geophysicae, 1998, 16, 1190-1199.	1.6	12
132	Evidence of transverse magnetospheric field line oscillations as observed from Cluster and ground magnetometers. Annales Geophysicae, 2005, 23, 919-929.	1.6	12
133	Modulation of radio frequency signals by ULF waves. Annales Geophysicae, 2007, 25, 1113-1124.	1.6	12
134	Aspect angle sensitivity of pump-induced optical emissions at EISCAT. Earth, Planets and Space, 2014, 66, .	2.5	12
135	Testing nowcasts of the ionospheric convection from the expanding and contracting polar cap model. Space Weather, 2017, 15, 623-636.	3.7	12
136	Crossâ€Phase Determination of Ultralow Frequency Wave Harmonic Frequencies and Their Associated Plasma Mass Density Distributions. Journal of Geophysical Research: Space Physics, 2018, 123, 6231-6250.	2.4	12
137	Nightside studies of coherent HF Radar spectral width behaviour. Annales Geophysicae, 2002, 20, 1399-1413.	1.6	11
138	A comparison of satellite scintillation measurements with HF radar backscatter characteristics. Annales Geophysicae, 2005, 23, 3451-3455.	1.6	11
139	Ionospheric signatures of ULF waves: Active radar techniques. Geophysical Monograph Series, 2006, , 273-288.	0.1	11
140	Are dayside long-period pulsations related to the cusp?. Annales Geophysicae, 2015, 33, 395-404.	1.6	11
141	A statistical survey of ultralowâ€frequency wave power and polarization in the Hermean magnetosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 8755-8772.	2.4	11
142	Excitation of Artificial Ionospheric Turbulence in the High-Latitude Ionospheric F Region as a Function of the Eiscat/Heating Effective Radiated Power. Radiophysics and Quantum Electronics, 2017, 60, 273-290.	0.5	11
143	A comparison of F-region ion velocity observations from the EISCAT Svalbard and VHF radars with irregularity drift velocity measurements from the CUTLASS Finland HF radar. Annales Geophysicae, 2000, 18, 589-594.	1.6	11
144	Spatial and Temporal Cusp Structures Observed by Multiple Spacecraft and Ground Based Observations. Surveys in Geophysics, 2005, 26, 281-305.	4.6	10

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145	A Statistical investigation of the invariant latitude dependence of unstable magnetospheric ion populations in relation to high m ULF wave generation. Annales Geophysicae, 2006, 24, 3027-3040.	1.6	10
146	A quantitative deconstruction of the morphology of highâ€latitude ionospheric convection. Journal of Geophysical Research, 2012, 117, .	3.3	10
147	Simultaneous observations of traveling convection vortices: Ionosphereâ€thermosphere coupling. Journal of Geophysical Research: Space Physics, 2017, 122, 4943-4959.	2.4	10
148	Coronal and heliospheric magnetic flux circulation and its relation to open solar flux evolution. Journal of Geophysical Research: Space Physics, 2017, 122, 5870-5894.	2.4	10
149	Comparison of the effects induced by the ordinary (O-mode) and extraordinary (X-mode) polarized powerful HF radio waves in the high-latitude ionospheric F region. Cosmic Research, 2018, 56, 11-25.	0.6	10
150	Optical, radar, and magnetic observations of magnetosheath plasma capture during a positive IMF <I>B_z</I> impulse. Annales Geophysicae, 2008, 26, 517-531.	1.6	10
151	Comprehensive survey of Pc4 and Pc5 band spectral content in Cluster magnetic field data. Annales Geophysicae, 2009, 27, 3237-3248.	1.6	10
152	The response of ionospheric convection in the polar cap to substorm activity. Annales Geophysicae, 1995, 13, 147-158.	1.6	9
153	The high latitude convection response to an interval of substorm activity. Annales Geophysicae, 1996, 14, 518-532.	1.6	9
154	An assessment of the "map-potential" and "beam-swinging" techniques for measuring the ionospheric convection pattern using data from the SuperDARN radars. Annales Geophysicae, 2002, 20, 191-202.	1.6	9
155	Effects of high-latitude atmospheric gravity wave disturbances on artificial HF radar backscatter. Annales Geophysicae, 2006, 24, 2347-2361.	1.6	9
156	SPEAR: Early results from a very high latitude ionospheric heating facility. Advances in Space Research, 2007, 40, 384-389.	2.6	9
157	Variations of Field Line Eigenfrequencies With Ring Current Intensity. Journal of Geophysical Research: Space Physics, 2018, 123, 9325-9339.	2.4	9
158	An Improved Estimation of SuperDARN Heppnerâ€Maynard Boundaries Using AMPERE Data. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027218.	2.4	9
159	The Changing Eigenfrequency Continuum During Geomagnetic Storms: Implications for Plasma Mass Dynamics and ULF Wave Coupling. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027648.	2.4	9
160	A Ray Tracing Simulation of HF Ionospheric Radar Performance at African Equatorial Latitudes. Radio Science, 2020, 55, e2019RS006936.	1.6	9
161	CRRES/Ground-based multi-instrument observations of an interval of substorm activity. Annales Geophysicae, 1994, 12, 1158-1173.	1.6	8
162	Ionospheric convection during the magnetic storm of 20-21 March 1990. Annales Geophysicae, 1994, 12, 1174-1191.	1.6	8

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163	Detection of artificially generated ULF waves by the FAST spacecraft and its application to the â€œtaggingâ€•of narrow flux tubes. Journal of Geophysical Research, 2003, 108, .	3.3	8
164	Correction to â€œIonospheric electron heating, optical emissions, and striations induced by powerful HF radio waves at high latitudes: Aspect angle dependenceâ€• Journal of Geophysical Research, 2004, 109, .	3.3	8
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