

Ondrej Santolik

List of Publications by Year in descending order

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344
papers

11,876
citations

28190

55
h-index

40881

93
g-index

389
all docs

389
docs citations

389
times ranked

3600
citing authors

#	ARTICLE	IF	CITATIONS
1	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. <i>Space Science Reviews</i> , 2013, 179, 127-181.	3.7	932
2	Singular value decomposition methods for wave propagation analysis. <i>Radio Science</i> , 2003, 38, n/a-n/a.	0.8	505
3	Spatio-temporal structure of storm-time chorus. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	363
4	Electron acceleration in the Van Allen radiation belts by fast magnetosonic waves. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	341
5	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 487-528.	3.7	313
6	First results obtained by the Cluster STAFF experiment. <i>Annales Geophysicae</i> , 2003, 21, 437-456.	0.6	197
7	Examples of unusual ionospheric observations made by the DEMETER satellite over seismic regions. <i>Physics and Chemistry of the Earth</i> , 2006, 31, 486-495.	1.2	168
8	Cluster observations of EMIC triggered emissions in association with Pc1 waves near Earth's plasmapause. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	137
9	A microscopic and nanoscopic view of storm-time chorus on 31 March 2001. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	136
10	Spatiotemporal variability and propagation of equatorial noise observed by Cluster. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 43-1-SMP 43-8.	3.3	133
11	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2754-2766.	0.8	133
12	Fine structure of large amplitude chorus wave packets. <i>Geophysical Research Letters</i> , 2014, 41, 293-299.	1.5	130
13	Oblique propagation of whistler mode waves in the chorus source region. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	129
14	Isolated electrostatic structures observed throughout the Cluster orbit: relationship to magnetic field strength. <i>Annales Geophysicae</i> , 2004, 22, 2515-2523.	0.6	117
15	WHISTLER MODE WAVES AND THE ELECTRON HEAT FLUX IN THE SOLAR WIND: CLUSTER OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 796, 5.	1.6	116
16	Transverse dimensions of chorus in the source region. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	114
17	Systematic analysis of equatorial noise below the lower hybrid frequency. <i>Annales Geophysicae</i> , 2004, 22, 2587-2595.	0.6	113
18	Whistler mode waves inside flux pileup region: Structured or unstructured?. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9089-9100.	0.8	112

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19	Theory and observation of electromagnetic ion cyclotron triggered emissions in the magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	108
20	Propagation of whistler mode chorus to low altitudes: Spacecraft observations of structured ELF hiss. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	106
21	New chorus wave properties near the equator from Van Allen Probes wave observations. <i>Geophysical Research Letters</i> , 2016, 43, 4725-4735.	1.5	100
22	Central position of the source region of storm-time chorus. <i>Planetary and Space Science</i> , 2005, 53, 299-305.	0.9	96
23	Observations Directly Linking Relativistic Electron Microbursts to Whistler Mode Chorus: Van Allen Probes and FIREBIRD II. <i>Geophysical Research Letters</i> , 2017, 44, 11,265.	1.5	96
24	Cluster observations of waves in the whistler frequency range associated with magnetic reconnection in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	95
25	Survey of Poynting flux of whistler mode chorus in the outer zone. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	94
26	Observations of discrete harmonics emerging from equatorial noise. <i>Nature Communications</i> , 2015, 6, 7703.	5.8	93
27	Source location of chorus emissions observed by Cluster. <i>Annales Geophysicae</i> , 2003, 21, 473-480.	0.6	89
28	Solitary waves observed in the auroral zone: the Cluster multi-spacecraft perspective. <i>Nonlinear Processes in Geophysics</i> , 2004, 11, 183-196.	0.6	87
29	Density modulated whistler mode emissions observed near the plasmopause. <i>Geophysical Research Letters</i> , 2002, 29, 36-1-36-4.	1.5	85
30	Multipoint investigation of the source region of storm-time chorus. <i>Annales Geophysicae</i> , 2004, 22, 2555-2563.	0.6	85
31	Interpretation of Cluster data on chorus emissions using the backward wave oscillator model. <i>Physics of Plasmas</i> , 2004, 11, 1345-1351.	0.7	85
32	A diffusive equilibrium model for the plasma density in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	85
33	Initial results of a survey of equatorial noise emissions observed by the Cluster spacecraft. <i>Planetary and Space Science</i> , 2005, 53, 291-298.	0.9	83
34	Propagation of whistler-mode chorus to low altitudes: divergent ray trajectories and ground accessibility. <i>Annales Geophysicae</i> , 2005, 23, 3727-3738.	0.6	82
35	Magnetic component of narrowband ion cyclotron waves in the auroral zone. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 17-1-SMP 17-14.	3.3	80
36	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020, 642, A12.	2.1	80

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37	Decrease of intensity of ELF/VLF waves observed in the upper ionosphere close to earthquakes: A statistical study. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	79
38	Extremely intense ELF magnetosonic waves: A survey of polar observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 964-977.	0.8	77
39	Spacecraft observations of electromagnetic perturbations connected with seismic activity. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	73
40	Propagation of lower- ω band whistler-mode waves in the outer Van Allen belt: Systematic analysis of 11 years of multi-component data from the Cluster spacecraft. <i>Geophysical Research Letters</i> , 2014, 41, 2729-2737.	1.5	73
41	Relation between fine structure of energy spectra for pulsating aurora electrons and frequency spectra of whistler mode chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7728-7736.	0.8	73
42	Reproducing the observed energy-dependent structure of Earth's electron radiation belts during storm recovery with an event-specific diffusion model. <i>Geophysical Research Letters</i> , 2016, 43, 5616-5625.	1.5	71
43	Ray tracing of penetrating chorus and its implications for the radiation belts. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	70
44	On the generation of solitary waves observed by Cluster in the near-Earth magnetosheath. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 181-193.	0.6	68
45	Wave normal angles of magnetospheric chorus emissions observed on the Polar spacecraft. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	68
46	Propagation analysis of plasmaspheric hiss using Polar PWI measurements. <i>Geophysical Research Letters</i> , 2001, 28, 1127-1130.	1.5	66
47	First observation of rising-tone magnetosonic waves. <i>Geophysical Research Letters</i> , 2014, 41, 7419-7426.	1.5	66
48	Plasmaspheric hiss properties: Observations from Polar. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 414-431.	0.8	66
49	Complete wave-vector directions of electromagnetic emissions: Application to INTERBALL-2 measurements in the nightside auroral zone. <i>Journal of Geophysical Research</i> , 2001, 106, 13191-13201.	3.3	63
50	On the numerical modelling of VLF chorus dynamical spectra. <i>Annales Geophysicae</i> , 2009, 27, 2341-2359.	0.6	63
51	Observations of chorus at Saturn using the Cassini Radio and Plasma Wave Science instrument. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	60
52	New results of investigations of whistler-mode chorus emissions. <i>Nonlinear Processes in Geophysics</i> , 2008, 15, 621-630.	0.6	60
53	Multispacecraft observations of the electron current sheet, neighboring magnetic islands, and electron acceleration during magnetotail reconnection. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	57
54	Additional attenuation of natural VLF electromagnetic waves observed by the DEMETER spacecraft resulting from preseismic activity. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5286-5295.	0.8	57

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55	Density structures inside the plasmasphere: Cluster observations. <i>Annales Geophysicae</i> , 2004, 22, 2577-2585.	0.6	56
56	The science case for an orbital mission to Uranus: Exploring the origins and evolution of ice giant planets. <i>Planetary and Space Science</i> , 2014, 104, 122-140.	0.9	56
57	RELATIVISTIC (<i>E</i>> 0.6, > 2.0, AND > 4.0 MeV) ELECTRON ACCELERATION AT GEOSYNCHRONOUS ORBIT DURING HIGH-INTENSITY, LONG-DURATION, CONTINUOUS AE ACTIVITY (HILDCAA) EVENTS. <i>Astrophysical Journal</i> , 2015, 799, 39.	1.6	56
58	Wave normal angles of whistler mode chorus rising and falling tones. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9567-9578.	0.8	54
59	Analysis methods for multi-component wave measurements on board the DEMETER spacecraft. <i>Planetary and Space Science</i> , 2006, 54, 512-527.	0.9	53
60	Furthering our understanding of electrostatic solitary waves through Cluster multispacecraft observations and theory. <i>Advances in Space Research</i> , 2008, 41, 1666-1676.	1.2	53
61	Systematic analysis of occurrence of equatorial noise emissions using 10 years of data from the Cluster mission. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1007-1021.	0.8	53
62	Prevalent lightning sferics at 600 megahertz near Jupiter's poles. <i>Nature</i> , 2018, 558, 87-90.	13.7	52
63	Radial variation of whistler-mode chorus: first results from the STAFF/DWP instrument on board the Double Star TC-1 spacecraft. <i>Annales Geophysicae</i> , 2005, 23, 2937-2942.	0.6	51
64	Analysis of plasma waves observed within local plasma injections seen in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	51
65	Wave-particle interactions in the equatorial source region of whistler-mode emissions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	51
66	Identification of the source of quasiperiodic VLF emissions using ground-based and Van Allen Probes satellite observations. <i>Geophysical Research Letters</i> , 2015, 42, 6137-6145.	1.5	50
67	Effects of whistler mode hiss waves in March 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7433-7462.	0.8	50
68	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
69	Observations of the relationship between frequency sweep rates of chorus wave packets and plasma density. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	48
70	Characteristics of magnetospherically reflected chorus waves observed by CLUSTER. <i>Annales Geophysicae</i> , 2004, 22, 2597-2606.	0.6	48
71	Propagation of equatorial noise to low altitudes: Decoupling from the magnetosonic mode. <i>Geophysical Research Letters</i> , 2016, 43, 6694-6704.	1.5	47
72	Magnetospherically reflected chorus waves revealed by ray tracing with CLUSTER data. <i>Annales Geophysicae</i> , 2003, 21, 1111-1120.	0.6	47

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73	Statistics of multispacecraft observations of chorus dispersion and source location. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
74	Propagation of unducted whistlers from their source lightning: A case study. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
75	Case studies on the wave propagation and polarization of ELF emissions observed by Freja around the local proton gyrofrequency. <i>Journal of Geophysical Research</i> , 1999, 104, 2459-2475.	3.3	44
76	First results of low frequency electromagnetic wave detector of TC-2/Double Star program. <i>Annales Geophysicae</i> , 2005, 23, 2803-2811.	0.6	44
77	Source of whistler emissions at the dayside magnetopause. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	44
78	Quasi-coherent chorus properties: 1. Implications for wave-particle interactions. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	42
79	Quasi-periodic ELF/VLF wave emissions in the Earth's magnetosphere: comparison of satellite observations and modeling. <i>Annales Geophysicae</i> , 2004, 22, 4351-4361.	0.6	40
80	Simultaneous observations of quasi-periodic ELF/VLF wave emissions and electron precipitation by DEMETER satellite: A case study. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4523-4533.	0.8	40
81	Propagation of auroral hiss at high altitudes. <i>Geophysical Research Letters</i> , 2002, 29, 119-1-119-4.	1.5	39
82	Generation of whistler mode emissions in the inner magnetosphere: An event study. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	39
83	Simulation of VLF chorus emissions in the magnetosphere and comparison with THEMIS spacecraft data. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 166-184.	0.8	39
84	Power line harmonic radiation (PLHR) observed by the DEMETER spacecraft. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	38
85	Ionospheric density variations recorded before the 2010 <i>M_w</i> 8.8 earthquake in Chile. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	38
86	Conjugate observations of quasi-periodic emissions by Cluster and DEMETER spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 198-208.	0.8	38
87	Interplanetary Type III Bursts and Electron Density Fluctuations in the Solar Wind. <i>Astrophysical Journal</i> , 2018, 857, 82.	1.6	38
88	Dynamics and waves near multiple magnetic null points in reconnection diffusion region. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	37
89	Observations and Fokker-Planck Simulations of the <i>L</i> -Shell, Energy, and Pitch Angle Structure of Earth's Electron Radiation Belts During Quiet Times. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1125-1142.	0.8	37
90	Two point observation of high-latitude reconnection. <i>Geophysical Research Letters</i> , 1998, 25, 4301-4304.	1.5	36

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91	EMIC triggered chorus emissions in Cluster data. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1159-1169.	0.8	36
92	Azimuthal directions of equatorial noise propagation determined using 10 years of data from the Cluster spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7160-7169.	0.8	36
93	ELF/VLF wave propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5384-5393.	0.8	36
94	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
95	Application of wave distribution function methods to an ELF hiss event at high latitudes. <i>Journal of Geophysical Research</i> , 2000, 105, 18885-18894.	3.3	35
96	Equatorial noise: Statistical study of its localization and the derived number density. <i>Advances in Space Research</i> , 2006, 37, 610-616.	1.2	35
97	Chorus source properties that produce time shifts and frequency range differences observed on different Cluster spacecraft. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	35
98	Quasiperiodic emissions observed by the Cluster spacecraft and their association with ULF magnetic pulsations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4210-4220.	0.8	35
99	Statistical investigation of VLF quasiperiodic emissions measured by the DEMETER spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8063-8072.	0.8	35
100	Power line harmonic radiation observed by satellite: Properties and propagation through the ionosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34
101	Whistler intensities above thunderstorms. <i>Annales Geophysicae</i> , 2010, 28, 37-46.	0.6	34
102	Multispacecraft observations of chorus emissions as a tool for the plasma density fluctuations' remote sensing. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	34
103	Wave-Particle Interactions Associated With Io's Auroral Footprint: Evidence of Alfvén, Ion Cyclotron, and Whistler Modes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088432.	1.5	34
104	Using the cold plasma dispersion relation and whistler mode waves to quantify the antenna sheath impedance of the Van Allen Probes EFW instrument. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4590-4606.	0.8	33
105	Polarisation and propagation of lion roars in the dusk side magnetosheath. <i>Annales Geophysicae</i> , 2001, 19, 1429-1438.	0.6	32
106	First whistler observed in the magnetosphere of Saturn. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	32
107	Intense plasma wave emissions associated with Saturn's moon Rhea. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	32
108	Effects of Ducting on Whistler Mode Chorus or Exohiss in the Outer Radiation Belt. <i>Geophysical Research Letters</i> , 2019, 46, 5735-5745.	1.5	32

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109	SAID: A turbulent plasmaspheric boundary layer. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	31
110	Conjugate observations of a remarkable quasiperiodic event by the low-altitude DEMETER spacecraft and ground-based instruments. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8790-8803.	0.8	31
111	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
112	Source of the low-altitude hiss in the ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 2060-2069.	1.5	30
113	Multi-instrument Observation of Nonlinear EMIC-Driven Electron Precipitation at sub-MeV Energies. <i>Geophysical Research Letters</i> , 2019, 46, 7248-7257.	1.5	30
114	Formation of VLF chorus frequency spectrum: Cluster data and comparison with the backward wave oscillator model. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	29
115	Relationship between median intensities of electromagnetic emissions in the VLF range and lightning activity. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
116	Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar Terrestrial Relations Observatory (STEREO)/Waves Instruments: Radio Flux Density Variations with Frequency. <i>Solar Physics</i> , 2014, 289, 3121-3135.	1.0	29
117	Equatorial noise emissions with quasiperiodic modulation of wave intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2649-2661.	0.8	29
118	New observations of electromagnetic harmonic ELF emissions in the ionosphere by the DEMETER satellite during large magnetic storms. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	28
119	Comparison of magnetospheric line radiation and power line harmonic radiation: A systematic survey using the DEMETER spacecraft. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	28
120	Power line harmonic radiation: A systematic study using DEMETER spacecraft. <i>Advances in Space Research</i> , 2007, 40, 398-403.	1.2	28
121	Dayside ELF electromagnetic wave survey: A Polar statistical study of chorus and hiss. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
122	VESPA: A community-driven Virtual Observatory in Planetary Science. <i>Planetary and Space Science</i> , 2018, 150, 65-85.	0.9	28
123	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. , 2013, , 127-181.		28
124	Frequencies of wave packets of whistler-mode chorus inside its source region: a case study. <i>Annales Geophysicae</i> , 2008, 26, 1665-1670.	0.6	27
125	Multispacecraft Cluster observations of quasiperiodic emissions close to the geomagnetic equator. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9101-9112.	0.8	27
126	Intensities and spatiotemporal variability of equatorial noise emissions observed by the Cluster spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1620-1632.	0.8	27

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127	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. <i>Nature Astronomy</i> , 2018, 2, 544-548.	4.2	27
128	Electron densities in Jupiter's outer magnetosphere determined from Voyager 1 and 2 plasma wave spectra. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	26
129	Analysis of subprotonospheric whistlers observed by DEMETER: A case study. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	26
130	Relativistic electron acceleration during HILDCAA events: are precursor CIR magnetic storms important?. <i>Earth, Planets and Space</i> , 2015, 67, .	0.9	26
131	Assigning the causative lightning to the whistlers observed on satellites. <i>Annales Geophysicae</i> , 2006, 24, 2921-2929.	0.6	25
132	Goniopolarimetric inversion using SVD: An application to type III radio bursts observed by STEREO. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	25
133	Identifying the source region of plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2015, 42, 3141-3149.	1.5	25
134	Analysis of narrowband emission observed in the Saturn magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	24
135	An improved sheath impedance model for the Van Allen Probes EFW instrument: Effects of the spin axis antenna. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4420-4429.	0.8	24
136	Propagation properties of quasiperiodic VLF emissions observed by the DEMETER spacecraft. <i>Geophysical Research Letters</i> , 2016, 43, 1007-1014.	1.5	23
137	The Sun and heliosphere explorer "the Interhelioprobe mission. <i>Geomagnetism and Aeronomy</i> , 2016, 56, 781-841.	0.2	23
138	Wave Polarization Analyzed by Singular Value Decomposition of the Spectral Matrix in the Presence of Noise. <i>Surveys in Geophysics</i> , 2019, 40, 39-69.	2.1	23
139	Electron acceleration above thunderclouds. <i>Environmental Research Letters</i> , 2013, 8, 035027.	2.2	22
140	On the speed and acceleration of electron beams triggering interplanetary type III radio bursts. <i>Astronomy and Astrophysics</i> , 2015, 580, A137.	2.1	22
141	Propagation analysis of electromagnetic waves between the helium and proton gyrofrequencies in the low-altitude auroral zone. <i>Journal of Geophysical Research</i> , 1998, 103, 20469-20480.	3.3	21
142	Locations of chorus emissions observed by the Polar Plasma Wave Instrument. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
143	Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar TErrestrial RElations Observatory (STEREO)/Waves Instruments: Goniopolarimetric Properties and Radio Source Locations. <i>Solar Physics</i> , 2014, 289, 4633-4652.	1.0	21
144	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. <i>Geophysical Research Letters</i> , 2018, 45, 9372-9379.	1.5	21

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145	Observations and Simulations of Dropout Events and Flux Decays in October 2013: Comparing MEO Equatorial With LEO Polar Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028850.	0.8	21
146	Electrostatic electron cyclotron waves generated by low-energy electron beams. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 8-1.	3.3	20
147	The STAFF-DWP wave instrument on the DSP equatorial spacecraft: description and first results. <i>Annales Geophysicae</i> , 2005, 23, 2785-2801.	0.6	20
148	Electrostatic solitary waves in current layers: from Cluster observations during a super-substorm to beam experiments at the LAPD. <i>Nonlinear Processes in Geophysics</i> , 2009, 16, 431-442.	0.6	20
149	The Origin of Plasmaspheric Hiss. <i>Science</i> , 2009, 324, 729-730.	6.0	20
150	Subionospheric propagation and peak currents of preliminary breakdown pulses before negative cloud-to-ground lightning discharges. <i>Geophysical Research Letters</i> , 2016, 43, 1382-1391.	1.5	20
151	AN ANALYSIS OF INTERPLANETARY SOLAR RADIO EMISSIONS ASSOCIATED WITH A CORONAL MASS EJECTION. <i>Astrophysical Journal Letters</i> , 2016, 823, L5.	3.0	20
152	Conjugate Ground-to-Spacecraft Observations of VLF Chorus Elements. <i>Geophysical Research Letters</i> , 2017, 44, 11,735.	1.5	20
153	Lightning initiation: Strong pulses of VHF radiation accompany preliminary breakdown. <i>Scientific Reports</i> , 2018, 8, 3650.	1.6	20
154	Plasmaspheric Hiss: Coherent and Intense. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,009.	0.8	20
155	The Initial Stage of Cloud Lightning Imaged in High-Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033126.	1.2	20
156	Power line harmonic radiation observed by the DEMETER spacecraft at 50/60 Hz and low harmonics. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8954-8967.	0.8	19
157	Conjugate observations of quasiperiodic emissions by the Cluster, Van Allen Probes, and THEMIS spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7647-7663.	0.8	19
158	Whistler waves observed by Solar Orbiter/RPW between 0.5 AU and 1 AU. <i>Astronomy and Astrophysics</i> , 2021, 656, A24.	2.1	19
159	The wave distribution function in a hot magnetospheric plasma: The direct problem. <i>Journal of Geophysical Research</i> , 1996, 101, 10639-10651.	3.3	18
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