

Michel Parrot

List of Publications by Year in descending order

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194
papers

6,763
citations

57758

44
h-index

85541

71
g-index

198
all docs

198
docs citations

198
times ranked

2337
citing authors

#	ARTICLE	IF	CITATIONS
1	Singular value decomposition methods for wave propagation analysis. <i>Radio Science</i> , 2003, 38, n/a-n/a.	1.6	505
2	The magnetic field experiment IMSC and its data processing onboard DEMETER: Scientific objectives, description and first results. <i>Planetary and Space Science</i> , 2006, 54, 441-455.	1.7	203
3	First results obtained by the Cluster STAFF experiment. <i>Annales Geophysicae</i> , 2003, 21, 437-456.	1.6	197
4	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.	2.9	168
5	The Cluster Spatio-Temporal Analysis of Field Fluctuations (STAFF) Experiment. <i>Space Science Reviews</i> , 1997, 79, 107-136.	8.1	148
6	Electron and ion density variations before strong earthquakes ($M > 6.0$) using DEMETER and GPS data. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 7-18.	3.6	130
7	Electrostatic discharge in Martian dust storms. <i>Journal of Geophysical Research</i> , 1998, 103, 29107-29117.	3.3	123
8	Global diagnostics of the ionospheric perturbations related to the seismic activity using the VLF radio signals collected on the DEMETER satellite. <i>Natural Hazards and Earth System Sciences</i> , 2006, 6, 745-753.	3.6	115
9	VLF emissions associated with earthquakes and observed in the ionosphere and the magnetosphere. <i>Physics of the Earth and Planetary Interiors</i> , 1989, 57, 86-99.	1.9	111
10	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
11	Radiation belt electron precipitation due to VLF transmitters: Satellite observations. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	105
12	Statistical study of ELF/VLF emissions recorded by a low-altitude satellite during seismic events. <i>Journal of Geophysical Research</i> , 1994, 99, 23339.	3.3	104
13	High-frequency seismo-electromagnetic effects. <i>Physics of the Earth and Planetary Interiors</i> , 1993, 77, 65-83.	1.9	100
14	Electromagnetic ELF radiation from earthquake regions as observed by low-altitude satellites. <i>Geophysical Research Letters</i> , 1992, 19, 91-94.	4.0	96
15	VLF electromagnetic waves observed onboard GEOS-1. <i>Space Science Reviews</i> , 1978, 22, 371.	8.1	91
16	Source location of chorus emissions observed by Cluster. <i>Annales Geophysicae</i> , 2003, 21, 473-480.	1.6	89
17	Statistical analysis of an ionospheric parameter as a base for earthquake prediction. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3731-3739.	2.4	82
18	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

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19	Contrasting the efficiency of radiation belt losses caused by ducted and nonducted whistler-mode waves from ground-based transmitters. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	79
20	Ionospheric perturbations linked to a very powerful seismic event. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 677-685.	1.6	77
21	The DEMETER Science Mission Centre. <i>Planetary and Space Science</i> , 2006, 54, 428-440.	1.7	76
22	Spacecraft observations of electromagnetic perturbations connected with seismic activity. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	73
23	Radiation belt electron precipitation by man-made VLF transmissions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	73
24	Special issue of <i>Planetary and Space Science</i> "DEMETER"™. <i>Planetary and Space Science</i> , 2006, 54, 411-412.	1.7	71
25	The micro-satellite DEMETER. <i>Journal of Geodynamics</i> , 2002, 33, 535-541.	1.6	67
26	Ionospheric variations observed by the DEMETER satellite in the mid-latitude region during strong earthquakes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1524-1540.	1.6	67
27	Propagation analysis of plasmaspheric hiss using Polar PWI measurements. <i>Geophysical Research Letters</i> , 2001, 28, 1127-1130.	4.0	66
28	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
29	Response of the ionosphere to natural and man-made acoustic sources. <i>Annales Geophysicae</i> , 1995, 13, 1197-1210.	1.6	60
30	Ground-based transmitter signals observed from space: Ducted or nonducted?. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	60
31	DEMETER satellite observations of lightning-induced electron precipitation. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	58
32	Possible seismo-ionosphere perturbations revealed by VLF signals collected on ground and on a satellite. <i>Natural Hazards and Earth System Sciences</i> , 2007, 7, 617-624.	3.6	58
33	Formation of artificial ionospheric ducts. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	58
34	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.	2.4	57
35	First in-situ observations of strong ionospheric perturbations generated by a powerful VLF ground-based transmitter. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	56
36	Geospace perturbations induced by the Earth: The state of the art and future trends. <i>Physics and Chemistry of the Earth</i> , 2015, 85-86, 17-33.	2.9	56

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37	Analysis methods for multi-component wave measurements on board the DEMETER spacecraft. <i>Planetary and Space Science</i> , 2006, 54, 512-527.	1.7	53
38	Density ducts formed by heating the Earth's ionosphere with high-power HF radio waves. <i>JETP Letters</i> , 2008, 88, 790-794.	1.4	51
39	Statistical Study on Variations of the Ionospheric Ion Density Observed by DEMETER and Related to Seismic Activities. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,421.	2.4	49
40	Characteristics of magnetospherically reflected chorus waves observed by CLUSTER. <i>Annales Geophysicae</i> , 2004, 22, 2597-2606.	1.6	48
41	Propagation of equatorial noise to low altitudes: Decoupling from the magnetosonic mode. <i>Geophysical Research Letters</i> , 2016, 43, 6694-6704.	4.0	47
42	Magnetospherically reflected chorus waves revealed by ray tracing with CLUSTER data. <i>Annales Geophysicae</i> , 2003, 21, 1111-1120.	1.6	47
43	Physical mechanisms of man-made influences on the magnetosphere. <i>Surveys in Geophysics</i> , 1996, 17, 67-100.	4.6	46
44	DEMETER observations of an intense upgoing column of ELF/VLF radiation excited by the HAARP HF heater. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	45
45	Propagation of unducted whistlers from their source lightning: A case study. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
46	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
47	Seismo-ionospheric anomalies of the GPS-TEC appear before the 12 May 2008 magnitude 8.0 Wenchuan Earthquake. <i>International Journal of Remote Sensing</i> , 2010, 31, 3579-3587.	2.9	41
48	Response of the ionospheric electron density to different types of seismic events. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 2173-2180.	3.6	41
49	Statistical analysis of the ion density measured by the satellite DEMETER in relation with the seismic activity. <i>Earthquake Science</i> , 2011, 24, 513-521.	0.9	41
50	Seismo-ionospheric coupling appearing as equatorial electron density enhancements observed via DEMETER electron density measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8524-8542.	2.4	41
51	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.	1.6	40
52	Phenomena of electrostatic perturbations before strong earthquakes (2005-2010) observed on DEMETER. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 75-83.	3.6	40
53	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.	2.4	40
54	Initial survey of the wave distribution functions for plasmaspheric hiss observed by ISEE 1. <i>Journal of Geophysical Research</i> , 1991, 96, 19469-19489.	3.3	39

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55	Suspected seismo-ionospheric coupling observed by satellite measurements and GPS TEC related to the <i>M</i>7.9 Wenchuan earthquake of 12 May 2008. Journal of Geophysical Research: Space Physics, 2014, 119, 10,305.	2.4	39
56	Power line harmonic radiation (PLHR) observed by the DEMETER spacecraft. Journal of Geophysical Research, 2006, 111, .	3.3	38
57	Ionospheric density variations recorded before the 2010<i>M</i>_{<i>w</i>}8.8 earthquake in Chile. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	38
58	Conjugate observations of quasi-periodic emissions by Cluster and DEMETER spacecraft. Journal of Geophysical Research: Space Physics, 2013, 118, 198-208.	2.4	38
59	DEMETER observations of ELF waves injected with the HAARP HF transmitter. Geophysical Research Letters, 2006, 33, .	4.0	36
60	Studies of the electromagnetic field variations in ELF frequency range registered by DEMETER over the Sichuan region prior to the 12 May 2008 earthquake. International Journal of Remote Sensing, 2010, 31, 3615-3629.	2.9	36
61	ULF/ELF ionospheric electric field and plasma perturbations related to Chile earthquakes. Advances in Space Research, 2011, 47, 991-1000.	2.6	36
62	Artificial ducts caused by HF heating of the ionosphere by HAARP. Journal of Geophysical Research, 2012, 117, .	3.3	36
63	Application of wave distribution function methods to an ELF hiss event at high latitudes. Journal of Geophysical Research, 2000, 105, 18885-18894.	3.3	35
64	Quasiperiodic emissions observed by the Cluster spacecraft and their association with ULF magnetic pulsations. Journal of Geophysical Research: Space Physics, 2013, 118, 4210-4220.	2.4	35
65	Statistical investigation of VLF quasiperiodic emissions measured by the DEMETER spacecraft. Journal of Geophysical Research: Space Physics, 2014, 119, 8063-8072.	2.4	35
66	Power line harmonic radiation observed by satellite: Properties and propagation through the ionosphere. Journal of Geophysical Research, 2008, 113, .	3.3	34
67	Whistler intensities above thunderstorms. Annales Geophysicae, 2010, 28, 37-46.	1.6	34
68	DEMETER observations of transmitter-induced precipitation of inner radiation belt electrons. Journal of Geophysical Research, 2009, 114, .	3.3	32
69	Primary Joint Statistical Seismic Influence on Ionospheric Parameters Recorded by the CSES and DEMETER Satellites. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028116.	2.4	32
70	Modeling whistler wave generation regimes in magnetospheric cyclotron maser. Annales Geophysicae, 2004, 22, 3561-3570.	1.6	32
71	A spatial analysis on seismo-ionospheric anomalies observed by DEMETER during the 2008 M8.0 Wenchuan earthquake. Journal of Asian Earth Sciences, 2015, 114, 414-419.	2.3	31
72	Conjugate observations of a remarkable quasiperiodic event by the low-altitude DEMETER spacecraft and ground-based instruments. Journal of Geophysical Research: Space Physics, 2016, 121, 8790-8803.	2.4	31

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73	Seasonal dependence of energetic electron precipitation: Evidence for a global role of lightning. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	30
74	Source of the low-altitude hiss in the ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 2060-2069.	4.0	30
75	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
76	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
77	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
78	Power line harmonic radiation: A systematic study using DEMETER spacecraft. <i>Advances in Space Research</i> , 2007, 40, 398-403.	2.6	28
79	"Real time analysis" of the ion density measured by the satellite DEMETER in relation with the seismic activity. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 2957-2963.	3.6	28
80	Lightning-induced plasma turbulence and ion heating in equatorial ionospheric depletions. <i>Nature Geoscience</i> , 2008, 1, 101-105.	12.9	27
81	DEMETER Observations of EM Emissions Related to Thunderstorms. <i>Space Science Reviews</i> , 2008, 137, 511-519.	8.1	26
82	Analysis of subprotonospheric whistlers observed by DEMETER: A case study. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	26
83	Assigning the causative lightning to the whistlers observed on satellites. <i>Annales Geophysicae</i> , 2006, 24, 2921-2929.	1.6	25
84	Penetration of lightning MF signals to the upper ionosphere over VLF ground-based transmitters. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	25
85	DEMETER observations of ionospheric heating by powerful VLF transmitters. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	25
86	Observations of power line harmonic radiation by the low-altitude AUREOL 3 satellite. <i>Journal of Geophysical Research</i> , 1994, 99, 3961.	3.3	24
87	Electromagnetic emissions detected in the topside ionosphere related to the human activity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 821-828.	1.6	24
88	Atmospheric and ionospheric coupling phenomena associated with large earthquakes. <i>European Physical Journal: Special Topics</i> , 2021, 230, 197-225.	2.6	24
89	The effect of subionospheric propagation on whistlers recorded by the DEMETER satellite " observation and modelling. <i>Annales Geophysicae</i> , 2007, 25, 1103-1112.	1.6	23
90	Propagation properties of quasiperiodic VLF emissions observed by the DEMETER spacecraft. <i>Geophysical Research Letters</i> , 2016, 43, 1007-1014.	4.0	23

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91	Daily variations of ELF data observed by a low-altitude satellite. <i>Geophysical Research Letters</i> , 1991, 18, 1039-1042.	4.0	22
92	Short-period VLF emissions as solitary envelope waves in a magnetospheric plasma maser. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 1275-1281.	1.6	22
93	Variation of the first cutoff frequency of the Earth-ionosphere waveguide observed by DEMETER. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
94	Multisatellite observations of an intensified equatorial ionization anomaly in relation to the northern Sumatra earthquake of March 2005. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4767-4785.	2.4	22
95	Statistical analysis of the ionospheric ion density recorded by DEMETER in the epicenter areas of earthquakes as well as in their magnetically conjugate point areas. <i>Advances in Space Research</i> , 2018, 61, 974-984.	2.6	22
96	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
97	Feasibility study of ionospheric perturbations triggered by monochromatic infrasonic waves emitted with a ground-based experiment. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004, 66, 1011-1017.	1.6	21
98	VLF/LF signal studies of the ionospheric response to strong seismic activity in the Far Eastern region combining the DEMETER and ground-based observations. <i>Physics and Chemistry of the Earth</i> , 2015, 85-86, 141-149.	2.9	21
99	ULF Wave Activity Observed in the Nighttime Ionosphere Above and Some Hours Before Strong Earthquakes. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028396.	2.4	21
100	Oxygen cyclotron harmonic waves in the deep plasmasphere during magnetic storms. <i>Journal of Geophysical Research</i> , 1997, 102, 77-83.	3.3	20
101	Investigation of TEC and VLF space measurements associated to L'Aquila (Italy) earthquakes. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 1019-1024.	3.6	20
102	Plasmaspheric Hiss: Coherent and Intense. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,009.	2.4	20
103	Modeling of Doppler-shifted terrestrial VLF transmitter signals observed by DEMETER. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	19
104	Variations of electron density and temperature in ionosphere based on the DEMETER ISL data. <i>Earthquake Science</i> , 2010, 23, 349-355.	0.9	19
105	DEMETER observations of the ionospheric trough over HAARP in relation to HF heating experiments. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	19
106	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.	2.4	19
107	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
108	Transionospheric attenuation of 100 kHz radio waves inferred from satellite and ground based observations. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	18

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109	Survey of magnetospheric line radiation events observed by the DEMETER spacecraft. Journal of Geophysical Research, 2009, 114, .	3.3	18
110	Statistical analysis of VLF radio emissions triggered by power line harmonic radiation and observed by the low-altitude satellite DEMETER. Journal of Geophysical Research: Space Physics, 2014, 119, 5744-5754.	2.4	18
111	DEMETER observations of manmade waves that propagate in the ionosphere. Comptes Rendus Physique, 2018, 19, 26-35.	0.9	18
112	Simultaneous observation on board a satellite and on the ground of large-scale magnetospheric line radiation. Geophysical Research Letters, 2007, 34, .	4.0	17
113	Effects of plasma density irregularities on the pitch angle scattering of radiation belt electrons by signals from ground based VLF transmitters. Geophysical Research Letters, 2008, 35, .	4.0	17
114	V-shaped VLF streaks recorded on DEMETER above powerful thunderstorms. Journal of Geophysical Research, 2008, 113, .	3.3	17
115	Lightning Contribution to Overall Whistler Mode Wave Intensities in the Plasmasphere. Geophysical Research Letters, 2019, 46, 8607-8616.	4.0	17
116	ELF magnetospheric lines observed by DEMETER. Annales Geophysicae, 2005, 23, 3301-3311.	1.6	16
117	HF signatures of powerful lightning recorded on DEMETER. Journal of Geophysical Research, 2008, 113, .	3.3	16
118	Signals recorded by DEMETER satellite over active volcanoes during the period 2004 August-2007 December. Geophysical Journal International, 2010, 183, 1332-1347.	2.4	16
119	Study of the North West Cape electron belts observed by DEMETER satellite. Journal of Geophysical Research, 2012, 117, .	3.3	16
120	On the origin of lower- and upper-frequency cutoffs on wedge-like spectrograms observed by DEMETER in the midlatitude ionosphere. Journal of Geophysical Research, 2010, 115, .	3.3	15
121	Influence of power line harmonic radiation on the VLF wave activity in the upper ionosphere: Is it capable to trigger new emissions?. Journal of Geophysical Research, 2010, 115, .	3.3	15
122	Ionospheric density perturbations recorded by DEMETER above intense thunderstorms. Journal of Geophysical Research: Space Physics, 2013, 118, 5169-5176.	2.4	15
123	Temporal and spatial analyses on seismo-electric anomalies associated with the 27 February 2010 <i>M</i> = 8.8 Chile earthquake observed by DEMETER satellite. Natural Hazards and Earth System Sciences, 2013, 13, 3281-3289.	3.6	15
124	Topside ionospheric electron temperature and density along the Weddell Sea latitude. Journal of Geophysical Research: Space Physics, 2015, 120, 609-614.	2.4	15
125	Unexpected Very Low Frequency (VLF) Radio Events Recorded by the Ionospheric Satellite DEMETER. Surveys in Geophysics, 2015, 36, 483-511.	4.6	15
126	MLR events and associated triggered emissions observed by DEMETER. Advances in Space Research, 2009, 44, 979-986.	2.6	14

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127	Seasonal trends of nighttime plasma density enhancements in the topside ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6902-6912.	2.4	13
128	Observation of ionospherically reflected quasiperiodic emissions by the DEMETER spacecraft. <i>Geophysical Research Letters</i> , 2017, 44, 8721-8729.	4.0	13
129	Longitudinal Dependence of Whistler Mode Electromagnetic Waves in the Earth's Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6562-6575.	2.4	13
130	Statistical Characteristics of Ionospheric Hiss Waves. <i>Geophysical Research Letters</i> , 2019, 46, 7147-7156.	4.0	13
131	Tropospheric and Ionospheric Anomalies Induced by Volcanic and Saharan Dust Events as Part of Geosphere Interaction Phenomena. <i>Geosciences (Switzerland)</i> , 2019, 9, 177.	2.2	13
132	NWC Transmitter Effects on the Nightside Upper Ionosphere Observed by a Low-Altitude Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028660.	2.4	13
133	Total Electron Content Variations Observed by a DORIS Station During the 2004 Sumatra-Andaman Earthquake. <i>Journal of Geodesy</i> , 2006, 80, 487-495.	3.6	12
134	Simultaneous observation of chorus and hiss near the plasmopause. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	12
135	Attenuation of electromagnetic waves at the frequency ~1.7 kHz in the upper ionosphere observed by the DEMETER satellite in the vicinity of earthquakes. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	12
136	Comment on "Comparative study on earthquake and ground based transmitter induced radiation belt electron precipitation at middle latitude", by Sideropoulos et al. (2011). <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 1-9.	3.6	12
137	Chorus and chorus-like emissions seen by the ionospheric satellite DEMETER. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3781-3792.	2.4	12
138	Electromagnetic Field in the Upper Ionosphere From ELF Ground-Based Transmitter. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8066-8080.	2.4	12
139	DEMETER and DMSP satellite observations of the disturbed H+/O+ ratio caused by Earth's seismic activity in the Sumatra area during December 2004. <i>Advances in Space Research</i> , 2010, 46, 419-430.	2.6	11
140	Experimental evidence of the simultaneous occurrence of VLF chorus on the ground in the global azimuthal scale " from pre-midnight to the late morning. <i>Annales Geophysicae</i> , 2012, 30, 725-732.	1.6	11
141	Satellite observations of banded VLF emissions in conjunction with energy-banded ions during very large geomagnetic storms. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
142	Study of the lower hybrid resonance frequency over the regions of gathering earthquakes using DEMETER data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 100-101, 1-12.	1.6	11
143	EMIC waves observed by the low-altitude satellite DEMETER during the November 2004 magnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5455-5464.	2.4	11
144	Low Frequency ($f < 200$ Hz) Polar Plasmaspheric Hiss: Coherent and Intense. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10063-10084.	2.4	11

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145	Spectral Broadening of NWC Transmitter Signals in the Ionosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088103.	4.0	11
146	Anomaly of the ionospheric electron density close to earthquakes: Case studies of Puá€™er and Wenchuan earthquakes. <i>Earthquake Science</i> , 2011, 24, 549-555.	0.9	10
147	Detailed properties of magnetospheric line radiation events observed by the DEMETER spacecraft. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	10
148	Whistler Influence on the Overall Very Low Frequency Wave Intensity in the Upper Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5648-5660.	2.4	10
149	DEMETER Satellite Observations of Plasma Irregularities in the Topside Ionosphere at Low, Middle, and Sub-Auroral Latitudes and their Dependence on Magnetic Storms. <i>Geophysical Monograph Series</i> , 0, , 297-310.	0.1	9
150	Fluctuations in the ionosphere related to Honshu Twin Large Earthquakes of September 2004 observed by the DEMETER and CHAMP satellites. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 121, 110-122.	1.6	9
151	Analysis of fine ELF wave structures observed poleward from the ionospheric trough by the lowá€“altitude satellite DEMETER. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2052-2060.	2.4	9
152	Wave and plasma measurements and GPS diagnostics of the main ionospheric trough as a hybrid method used for Space Weather purposes. <i>Annales Geophysicae</i> , 2008, 26, 295-304.	1.6	8
153	Magnetospheric line radiation event observed simultaneously on board Cluster 1, Cluster 2 and DEMETER spacecraft. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	8
154	Magnetospheric line radiation: 6.5á€“years of observations by the DEMETER spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9442-9456.	2.4	8
155	Quasiperiodic ELF/VLF Emissions Detected Onboard the DEMETER Spacecraft: Theoretical Analysis and Comparison With Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5278-5288.	2.4	8
156	Conjugate observations on board a satellite and on the ground of a remarkable MLRá€“like event. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	7
157	Midlatitude propagation of VLF to MF waves through nighttime ionosphere above powerful VLF transmitters. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1210-1219.	2.4	7
158	Equatorial noise emissions with a quasiperiodic modulation observed by DEMETER at harmonics of the O ⁺ ion gyrofrequency. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,289-10,302.	2.4	7
159	Equatorial noise emissions observed by the DEMETER spacecraft during geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9744-9757.	2.4	7
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