Vassilis Angelopoulos

List of Publications by Year
in descending order

594	30,871	6233	9073
papers	citations	80 h-index	144 g-index

607	607	607	4230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The THEMIS Mission. Space Science Reviews, 2008, 141, 5-34.	3.7	1,256
2	Bursty bulk flows in the inner central plasma sheet. Journal of Geophysical Research, 1992, 97, 4027-4039.	3.3	980
3	The THEMIS ESA Plasma Instrument and In-flight Calibration. Space Science Reviews, 2008, 141, 277-302.	3.7	893
4	Neutral line model of substorms: Past results and present view. Journal of Geophysical Research, 1996, 101, 12975-13010.	3.3	861
5	Statistical characteristics of bursty bulk flow events. Journal of Geophysical Research, 1994, 99, 21257.	3.3	642
6	Tail Reconnection Triggering Substorm Onset. Science, 2008, 321, 931-935.	6.0	551
7	THEMIS observations of an earthwardâ€propagating dipolarization front. Geophysical Research Letters, 2009, 36, .	1.5	523
8	The Electric Field Instrument (EFI) for THEMIS. Space Science Reviews, 2008, 141, 303-341.	3.7	397
9	Explaining sudden losses of outer radiation belt electrons during geomagnetic storms. Nature Physics, 2012, 8, 208-212.	6.5	365
10	The Space Physics Environment Data Analysis System (SPEDAS). Space Science Reviews, 2019, 215, 9.	3.7	332
11	A THEMIS multicase study of dipolarization fronts in the magnetotail plasma sheet. Journal of Geophysical Research, 2011, 116, .	3.3	305
12	Detection of localized, plasma-depleted flux tubes or bubbles in the midtail plasma sheet. Journal of Geophysical Research, 1996, 101, 10817-10826.	3.3	284
13	Global distribution of whistlerâ€mode chorus waves observed on the THEMIS spacecraft. Geophysical Research Letters, 2009, 36, .	1.5	282
14	On the current sheets surrounding dipolarizing flux bundles in the magnetotail: The case for wedgelets. Journal of Geophysical Research: Space Physics, 2013, 118, 2000-2020.	0.8	278
15	The THEMIS Array of Ground-based Observatories forÂtheÂStudy of Auroral Substorms. Space Science Reviews, 2008, 141, 357-387.	3.7	274
16	The Upgraded CARISMA Magnetometer Array inÂtheÂTHEMIS Era. Space Science Reviews, 2008, 141, 413-451.	3.7	258
17	The ARTEMIS Mission. Space Science Reviews, 2011, 165, 3-25.	3.7	257
18	Identifying the Driver of Pulsating Aurora. Science, 2010, 330, 81-84.	6.0	249

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19	Electromagnetic Energy Conversion at Reconnection Fronts. Science, 2013, 341, 1478-1482.	6.0	234
20	Global distribution of wave amplitudes and wave normal angles of chorus waves using THEMIS wave observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	230
21	THEMIS observations of electromagnetic ion cyclotron wave occurrence: Dependence on AE, SYMH, and solar wind dynamic pressure. Journal of Geophysical Research, 2012, 117, .	3.3	223
22	Substorm triggering by new plasma intrusion: THEMIS allâ€sky imager observations. Journal of Geophysical Research, 2010, 115, .	3.3	221
23	Kinetic structure of the sharp injection/dipolarization front in the flowâ€braking region. Geophysical Research Letters, 2009, 36, .	1.5	219
24	Multipoint analysis of a bursty bulk flow event on April 11, 1985. Journal of Geophysical Research, 1996, 101, 4967-4989.	3.3	184
25	Statistical characteristics of particle injections throughout the equatorial magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 2512-2535.	0.8	180
26	Characteristics of ion flow in the quiet state of the inner plasma sheet. Geophysical Research Letters, 1993, 20, 1711-1714.	1.5	177
27	An Observation Linking the Origin of Plasmaspheric Hiss to Discrete Chorus Emissions. Science, 2009, 324, 775-778.	6.0	173
28	First Results from the THEMIS Mission. Space Science Reviews, 2008, 141, 453-476.	3.7	171
29	THEMIS Science Objectives and Mission Phases. Space Science Reviews, 2008, 141, 35-59.	3.7	168
30	Magnetotail flow bursts: Association to global magnetospheric circulation, relationship to ionospheric activity and direct evidence for localization. Geophysical Research Letters, 1997, 24, 2271-2274.	1.5	163
31	Multiple overshoot and rebound of a bursty bulk flow. Geophysical Research Letters, 2010, 37, .	1.5	153
32	Accelerated ions ahead of earthward propagating dipolarization fronts. Journal of Geophysical Research, 2010, 115, .	3.3	153
33	Evolution and slow decay of an unusual narrow ring of relativistic electrons near Lâ€‰~â€‰3.2 following the September 2012 magnetic storm. Geophysical Research Letters, 2013, 40, 3507-3511.	1.5	150
34	Substorm current wedge driven by plasma flow vortices: THEMIS observations. Journal of Geophysical Research, 2009, 114, .	3.3	149
35	Magnetic flux transport by dipolarizing flux bundles. Journal of Geophysical Research: Space Physics, 2014, 119, 909-926.	0.8	149
36	Pulsating aurora from electron scattering by chorus waves. Nature, 2018, 554, 337-340.	13.7	149

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37	THEMIS ESA First Science Results and Performance Issues. Space Science Reviews, 2008, 141, 477-508.	3.7	148
38	THEMIS analysis of observed equatorial electron distributions responsible for the chorus excitation. Journal of Geophysical Research, 2010, 115, .	3.3	148
39	Multipoint observations of magnetospheric compressionâ€related EMIC Pc1 waves by THEMIS and CARISMA. Geophysical Research Letters, 2008, 35, .	1.5	141
40	The THEMIS all-sky imaging arrayâ€”system design and initial results from the prototype imager. Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 1472-1487.	0.6	139
41	Global distribution of equatorial magnetosonic waves observed by THEMIS. Geophysical Research Letters, 2013, 40, 1895-1901.	1.5	137
42	Recent advances in understanding substorm dynamics. Geophysical Research Letters, 2012, 39, .	1.5	129
43	Intensification of preexisting auroral arc at substorm expansion phase onset: Waveâ€like disruption during the first tens of seconds. Geophysical Research Letters, 2008, 35, .	1.5	126
44	Evidence for a flux transfer event generated by multiple Xâ€line reconnection at the magnetopause. Geophysical Research Letters, 2010, 37, .	1.5	126
45	The effects of transient, localized electric fields on equatorial electron acceleration and transport toward the inner magnetosphere. Journal of Geophysical Research, 2012, 117, .	3.3	124
46	First Results of the THEMIS Search Coil Magnetometers. Space Science Reviews, 2008, 141, 509-534.	3.7	122
47	Current sheet measurements within a flapping plasma sheet. Journal of Geophysical Research, 1998, 103, 9177-9187.	3.3	119
48	Average thermodynamic and spectral properties of plasma in and around dipolarizing flux bundles. Journal of Geophysical Research: Space Physics, 2015, 120, 4369-4383.	0.8	119
49	Wave and particle characteristics of earthward electron injections associated with dipolarization fronts. Journal of Geophysical Research, 2010, 115, .	3.3	118
50	Global distributions of suprathermal electrons observed on THEMIS and potential mechanisms for access into the plasmasphere. Journal of Geophysical Research, 2010, 115, .	3.3	118
51	On the stormâ€time evolution of relativistic electron phase space density in Earth's outer radiation belt. Journal of Geophysical Research: Space Physics, 2013, 118, 2196-2212.	0.8	113
52	Whistlerâ€mode waves inside flux pileup region: Structured or unstructured?. Journal of Geophysical Research: Space Physics, 2014, 119, 9089-9100.	0.8	112
53	Energetic electron injections deep into the inner magnetosphere associated with substorm activity. Geophysical Research Letters, 2015, 42, 2079-2087.	1.5	112
54	On the cause and extent of outer radiation belt losses during the 30 September 2012 dropout event. Journal of Geophysical Research: Space Physics, 2014, 119, 1530-1540.	0.8	110

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55	The dependence of magnetic reconnection on plasma Î² and magnetic shear: Evidence from magnetopause observations. Geophysical Research Letters, 2013, 40, 11-16.	1.5	109
56	Evaluation of whistlerâ€mode chorus intensification on the nightside during an injection event observed on the THEMIS spacecraft. Journal of Geophysical Research, 2009, 114, .	3.3	108
57	Application and validation of the spherical elementary currents systems technique for deriving ionospheric equivalent currents with the North American and Greenland ground magnetometer arrays. Journal of Geophysical Research, 2011, 116, .	3.3	107
58	Spatial distributions of the ion to electron temperature ratio in the magnetosheath and plasma sheet. Journal of Geophysical Research, 2012, 117, .	3.3	103
59	Competing source and loss mechanisms due to waveâ€particle interactions in Earth's outer radiation belt during the 30 September to 3 October 2012 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2014, 119, 1960-1979.	0.8	103
60	First observations of foreshock bubbles upstream of Earth's bow shock: Characteristics and comparisons to HFAs. Journal of Geophysical Research: Space Physics, 2013, 118, 1552-1570.	0.8	102
61	Characteristics of the Poynting flux and wave normal vectors of whistlerâ€mode waves observed on THEMIS. Journal of Geophysical Research: Space Physics, 2013, 118, 1461-1471.	0.8	101
62	Electron bulk heating in magnetic reconnection at Earth's magnetopause: Dependence on the inflow AlfvÃ©n speed and magnetic shear. Geophysical Research Letters, 2013, 40, 4475-4480.	1.5	101
63	Typical properties of rising and falling tone chorus waves. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	100
64	Anti-sunward high-speed jets in the subsolar magnetosheath. Annales Geophysicae, 2013, 31, 1877-1889.	0.6	99
65	The role of localized inductive electric fields in electron injections around dipolarizing flux bundles. Journal of Geophysical Research: Space Physics, 2016, 121, 9560-9585.	0.8	95
66	The role of transient ion foreshock phenomena in driving Pc5 ULF wave activity. Journal of Geophysical Research: Space Physics, 2013, 118, 299-312.	0.8	94
67	Largeâ€amplitude electric fields associated with bursty bulk flow braking in the Earth's plasma sheet. Journal of Geophysical Research: Space Physics, 2015, 120, 1832-1844.	0.8	94
68	Can flow bursts penetrate into the inner magnetosphere?. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	93
69	A THEMIS survey of flux ropes and traveling compression regions: Location of the near-Earth reconnection site during solar minimum. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	91
70	Characteristics of plasma flows at the inner edge of the plasma sheet. Journal of Geophysical Research, 2011, 116, .	3.3	89
71	Observations of Double Layers in Earthâ€™s Plasma Sheet. Physical Review Letters, 2009, 102, 155002.	2.9	88
72	Ionospheric current signatures of transient plasma sheet flows. Journal of Geophysical Research, 2000, 105, 10677-10690.	3.3	87

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73	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. Geophysical Research Letters, 2015, 42, 987-995.	1.5	87
74	New Features of Electron Phase Space Holes Observed by the THEMIS Mission. Physical Review Letters, 2009, 102, 225004.	2.9	86
75	THEMIS observations of a hot flow anomaly: Solar wind, magnetosheath, and groundâ€based measurements. Geophysical Research Letters, 2008, 35, .	1.5	85
76	Multievent study of the correlation between pulsating aurora and whistler mode chorus emissions. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	85
77	Efficient diffuse auroral electron scattering by electrostatic electron cyclotron harmonic waves in the outer magnetosphere: A detailed case study. Journal of Geophysical Research, 2012, 117, .	3.3	85
78	Multipoint observations of dipolarization front formation by magnetotail reconnection. Journal of Geophysical Research, 2012, 117, .	3.3	84
79	Magnetosonic wave excitation by ion ring distributions in the Earth's inner magnetosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 844-852.	0.8	84
80	Relativistic electron loss due to ultralow frequency waves and enhanced outward radial diffusion. Journal of Geophysical Research, 2010, 115, .	3.3	83
81	Characteristics of hissâ€like and discrete whistlerâ€mode emissions. Geophysical Research Letters, 2012, 39, .	1.5	83
82	Quasi-parallel whistler mode waves observed by THEMIS during near-earth dipolarizations. Annales Geophysicae, 2009, 27, 2259-2275.	0.6	83
83	Anomalous magnetosheath flows and distorted subsolar magnetopause for radial interplanetary magnetic fields. Geophysical Research Letters, 2009, 36, .	1.5	81
84	Electron fluxes and pitchâ€angle distributions at dipolarization fronts: THEMIS multipoint observations. Journal of Geophysical Research: Space Physics, 2013, 118, 744-755.	0.8	80
85	Electric and magnetic field observations of Pc4 and Pc5 pulsations in the inner magnetosphere: A statistical study. Journal of Geophysical Research, 2009, 114, .	3.3	79
86	A multisatellite study of a pseudoâ€substorm onset in the nearâ€Earth magnetotail. Journal of Geophysical Research, 1993, 98, 19355-19367.	3.3	78
87	Direct Evidence for a Three-Dimensional Magnetic Flux Rope Flanked by Two Active Magnetic Reconnection<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi></mml:math>Lines at Earthâ€™s Magnetopause. Physical Review Letters, 2011, 107, 165007.	2.9	78
88	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. Journal of Geophysical Research: Space Physics, 2016, 121, 5520-5536.	0.8	77
89	Suprathermal particle energization in dipolarization fronts: Particleâ€inâ€cell simulations. Journal of Geophysical Research: Space Physics, 2016, 121, 9483-9500.	0.8	77
90	Magnetospheric location of the equatorward prebreakup arc. Journal of Geophysical Research, 2012, 117, .	3.3	76

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91	Structures of dayside whistlerâ€mode waves deduced from conjugate diffuse aurora. Journal of Geophysical Research: Space Physics, 2013, 118, 664-673.	0.8	76
92	Time History of Events and Macroscale Interactions during Substorms observations of a series of hot flow anomaly events. Journal of Geophysical Research, 2010, 115, .	3.3	75
93	Mechanism of substorm current wedge formation: THEMIS observations. Geophysical Research Letters, 2012, 39, .	1.5	75
94	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. Nature Communications, 2020, 11, 5049.	5.8	75
95	Poloidal ULF wave observed in the plasmasphere boundary layer. Journal of Geophysical Research: Space Physics, 2013, 118, 4298-4307.	0.8	74
96	On the nature of precursor flows upstream of advancing dipolarization fronts. Journal of Geophysical Research, 2011, 116, .	3.3	73
97	Dipolarization fronts in the magnetotail plasma sheet. Planetary and Space Science, 2011, 59, 517-525.	0.9	73
98	In situ observations of magnetotail reconnection prior to the onset of a small substorm. Journal of Geophysical Research, 1995, 100, 19121.	3.3	72
99	THEMIS observations of extreme magnetopause motion caused by a hot flow anomaly. Journal of Geophysical Research, 2009, 114, .	3.3	70
100	The quasiâ€electrostatic mode of chorus waves and electron nonlinear acceleration. Journal of Geophysical Research: Space Physics, 2014, 119, 1606-1626.	0.8	70
101	On the presence and properties of cold ions near Earth's equatorial magnetosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 1749-1770.	0.8	70
102	Statistical distribution of EMIC wave spectra: Observations from Van Allen Probes. Geophysical Research Letters, 2016, 43, 12,348.	1.5	69
103	Modulation of whistler mode chorus waves: 2. Role of density variations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	68
104	Radial distributions of equatorial phase space density for outer radiation belt electrons. Geophysical Research Letters, 2012, 39, .	1.5	68
105	Substorm triggering by new plasma intrusion: Incoherentâ€scatter radar observations. Journal of Geophysical Research, 2010, 115, .	3.3	67
106	Modulation of whistler mode chorus waves: 1. Role of compressional Pc4-5 pulsations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	67
107	Direct evidence for EMIC wave scattering of relativistic electrons in space. Journal of Geophysical Research: Space Physics, 2016, 121, 6620-6631.	0.8	67
108	Coupling of dipolarization front flow bursts to substorm expansion phase phenomena within the magnetosphere and ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	66

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109	On the role of pressure and flow perturbations around dipolarizing flux bundles. Journal of Geophysical Research: Space Physics, 2013, 118, 7104-7118.	0.8	66
110	First observation of risingâ€tone magnetosonic waves. Geophysical Research Letters, 2014, 41, 7419-7426.	1.5	66
111	Dipolarizing flux bundles in the cisâ€geosynchronous magnetosphere: Relationship between electric fields and energetic particle injections. Journal of Geophysical Research: Space Physics, 2016, 121, 1362-1376.	0.8	66
112	In Situ Observations of a Magnetosheath Highâ€Speed Jet Triggering Magnetopause Reconnection. Geophysical Research Letters, 2018, 45, 1732-1740.	1.5	66
113	On the force balance around dipolarization fronts within bursty bulk flows. Journal of Geophysical Research, 2011, 116, .	3.3	65
114	Statistical analysis of the plasmaspheric plume at the magnetopause. Journal of Geophysical Research: Space Physics, 2013, 118, 4844-4851.	0.8	65
115	An advanced approach to finding magnetometer zero levels in the interplanetary magnetic field. Measurement Science and Technology, 2008, 19, 055104.	1.4	64
116	Equatorward moving auroral signatures of a flow burst observed prior to auroral onset. Geophysical Research Letters, 2009, 36, .	1.5	64
117	Relations between multiple auroral streamers, pre-onset thin arc formation, and substorm auroral onset. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	64
118	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. Journal of Geophysical Research, 2011, 116, .	3.3	63
119	Direct observations of a surface eigenmode of the dayside magnetopause. Nature Communications, 2019, 10, 615.	5.8	63
120	Observations of kinetic ballooning/interchange instability signatures in the magnetotail. Geophysical Research Letters, 2012, 39, .	1.5	62
121	Nearâ€Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. Geophysical Research Letters, 2015, 42, 6170-6179.	1.5	62
122	Substorm current wedge composition by wedgelets. Geophysical Research Letters, 2015, 42, 1669-1676.	1.5	62
123	Properties of Intense Fieldâ€Aligned Lowerâ€Band Chorus Waves: Implications for Nonlinear Waveâ€Particle Interactions. Journal of Geophysical Research: Space Physics, 2018, 123, 5379-5393.	0.8	62
124	Observational evidence of the generation mechanism for rising-tone chorus. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	61
125	Possible connection of polar cap flows to pre- and post-substorm onset PBIs and streamers. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	61
126	Predominance of ECH wave contribution to diffuse aurora in Earth's outer magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 295-309.	0.8	61

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127	Thin current sheet in the substorm late growth phase: Modeling of THEMIS observations. Journal of Geophysical Research, 2009, 114, .	3.3	60
128	Nearâ€Earth initiation of a terrestrial substorm. Journal of Geophysical Research, 2009, 114, .	3.3	60
129	Plasma sheet thickness during a bursty bulk flow reversal. Journal of Geophysical Research, 2010, 115, .	3.3	60
130	Pressure and entropy changes in the flowâ€braking region during magnetic field dipolarization. Journal of Geophysical Research, 2010, 115, .	3.3	60
131	THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events. Journal of Geophysical Research: Space Physics, 2013, 118, 284-298.	0.8	59
132	Characterizing the dayside magnetosheath using energetic neutral atoms: IBEX and THEMIS observations. Journal of Geophysical Research: Space Physics, 2013, 118, 3126-3137.	0.8	59
133	THEMIS observations of tangential discontinuityâ€driven foreshock bubbles. Geophysical Research Letters, 2015, 42, 7860-7866.	1.5	59
134	Electron Nonlinear Resonant Interaction With Short and Intense Parallel Chorus Wave Packets. Journal of Geophysical Research: Space Physics, 2018, 123, 4979-4999.	0.8	59
135	Timing and localization of ionospheric signatures associated with substorm expansion phase onset. Journal of Geophysical Research, 2009, 114, .	3.3	58
136	Coordinated SuperDARN THEMIS ASI observations of mesoscale flow bursts associated with auroral streamers. Journal of Geophysical Research: Space Physics, 2014, 119, 142-150.	0.8	58
137	New evidence for generation mechanisms of discrete and hissâ€like whistler mode waves. Geophysical Research Letters, 2014, 41, 4805-4811.	1.5	58
138	Case studies of mirror-mode structures observed by THEMIS in the near-Earth tail during substorms. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
139	Chorus wave scattering responsible for the Earth's dayside diffuse auroral precipitation: A detailed case study. Journal of Geophysical Research: Space Physics, 2014, 119, 897-908.	0.8	56
140	On the origin of pressure and magnetic perturbations ahead of dipolarization fronts. Journal of Geophysical Research: Space Physics, 2014, 119, 211-220.	0.8	56
141	Extensive electron transport and energization via multiple, localized dipolarizing flux bundles. Journal of Geophysical Research: Space Physics, 2017, 122, 5059-5076.	0.8	56
142	Azimuthal plasma pressure gradient in quiet time plasma sheet. Geophysical Research Letters, 2009, 36, .	1.5	55
143	Testing a twoâ€loop pattern of the substorm current wedge (SCW2L). Journal of Geophysical Research: Space Physics, 2014, 119, 947-963.	0.8	55
144	Relativistic Electrons Produced by Foreshock Disturbances Observed Upstream of Earthâ€™s Bow Shock. Physical Review Letters, 2016, 117, 215101.	2.9	55

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145	THEMIS multiâ€spacecraft observations of magnetosheath plasma penetration deep into the dayside lowâ€latitude magnetosphere for northward and strong B_y IMF. Geophysical Research Letters, 2008, 35, .	1.5	54
146	Current carriers near dipolarization fronts in the magnetotail: A THEMIS event study. Journal of Geophysical Research, 2011, 116, .	3.3	54
147	Global distribution of electrostatic electron cyclotron harmonic waves observed on THEMIS. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	54
148	Threeâ€dimensional lunar wake reconstructed from ARTEMIS data. Journal of Geophysical Research: Space Physics, 2014, 119, 5220-5243.	0.8	54
149	Wave normal angles of whistler mode chorus rising and falling tones. Journal of Geophysical Research: Space Physics, 2014, 119, 9567-9578.	0.8	54
150	Geoeffective jets impacting the magnetopause are very common. Journal of Geophysical Research: Space Physics, 2016, 121, 3240-3253.	0.8	54
151	Characteristic energy range of electron scattering due to plasmaspheric hiss. Journal of Geophysical Research: Space Physics, 2016, 121, 11,737.	0.8	54
152	Statistical properties of substorm auroral onset beads/rays. Journal of Geophysical Research: Space Physics, 2016, 121, 8661-8676.	0.8	54
153	Optical characterization of the growth and spatial structure of a substorm onset arc. Journal of Geophysical Research, 2010, 115, .	3.3	53
154	Nonlinear Electron Interaction With Intense Chorus Waves: Statistics of Occurrence Rates. Geophysical Research Letters, 2019, 46, 7182-7190.	1.5	53
155	The THEMIS Mission. , 2009, , 5-34.		52
156	THEMIS observation of chorus elements without a gap at half the gyrofrequency. Journal of Geophysical Research, 2012, 117, .	3.3	52
157	Spatial distributions of ion pitch angle anisotropy in the nearâ€Earth magnetosphere and tail plasma sheet. Journal of Geophysical Research: Space Physics, 2013, 118, 244-255.	0.8	52
158	A unified approach to inner magnetospheric state prediction. Journal of Geophysical Research: Space Physics, 2016, 121, 2423-2430.	0.8	52
159	Spatial Extent and Temporal Correlation of Chorus and Hiss: Statistical Results From Multipoint THEMIS Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 8317-8330.	0.8	52
160	Origin of two-band chorus in the radiation belt of Earth. Nature Communications, 2019, 10, 4672.	5.8	52
161	Global properties of magnetotail current sheet flapping: THEMIS perspectives. Annales Geophysicae, 2009, 27, 319-328.	0.6	51
162	Surface waves and field line resonances: A THEMIS case study. Journal of Geophysical Research, 2009, 114, .	3.3	51

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163	Preonset time sequence of auroral substorms: Coordinated observations by allâ€sky imagers, satellites, and radars. Journal of Geophysical Research, 2010, 115, .	3.3	51
164	Energy limits of electron acceleration in the plasma sheet during substorms: A case study with the Magnetospheric Multiscale (MMS) mission. Geophysical Research Letters, 2016, 43, 7785-7794.	1.5	51
165	A neural network model of threeâ€dimensional dynamic electron density in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 9183-9197.	0.8	51
166	Substorm onset by new plasma intrusion: THEMIS spacecraft observations. Journal of Geophysical Research, 2010, 115, .	3.3	50
167	Substorm triggering by poleward boundary intensification and related equatorward propagation. Journal of Geophysical Research, 2011, 116, .	3.3	50
168	Transient electron precipitation during oscillatory BBF braking: THEMIS observations and theoretical estimates. Journal of Geophysical Research: Space Physics, 2013, 118, 3065-3076.	0.8	50
169	Simulation of energyâ€dependent electron diffusion processes in the Earth's outer radiation belt. Journal of Geophysical Research: Space Physics, 2016, 121, 4217-4231.	0.8	50
170	Magnetospheric Signatures of STEVE: Implications for the Magnetospheric Energy Source and Interhemispheric Conjugacy. Geophysical Research Letters, 2019, 46, 5637-5644.	1.5	50
171	Dipolarization fronts and associated auroral activities: 2. Acceleration of ions and their subsequent behavior. Journal of Geophysical Research, 2012, 117, .	3.3	48
172	First evidence for chorus at a large geocentric distance as a source of plasmaspheric hiss: Coordinated THEMIS and Van Allen Probes observation. Geophysical Research Letters, 2015, 42, 241-248.	1.5	48
173	Hall effect control of magnetotail dawnâ€dusk asymmetry: A threeâ€dimensional global hybrid simulation. Journal of Geophysical Research: Space Physics, 2016, 121, 11,882.	0.8	48
174	Phase Decoherence Within Intense Chorus Wave Packets Constrains the Efficiency of Nonlinear Resonant Electron Acceleration. Geophysical Research Letters, 2020, 47, e2020GL089807.	1.5	48
175	Toward adapted timeâ€dependent magnetospheric models: A simple approach based on tuning the standard model. Journal of Geophysical Research, 2009, 114, .	3.3	47
176	ARTEMIS Science Objectives. Space Science Reviews, 2011, 165, 59-91.	3.7	47
177	Modulation of plasmaspheric hiss intensity by thermal plasma density structure. Geophysical Research Letters, 2012, 39, .	1.5	47
178	Electromagnetic ion cyclotron rising tone emissions observed by THEMIS probes outside the plasmapause. Journal of Geophysical Research: Space Physics, 2014, 119, 1874-1886.	0.8	47
179	Evolution of Electron Distribution Driven by Nonlinear Resonances With Intense Fieldâ€Aligned Chorus Waves. Journal of Geophysical Research: Space Physics, 2018, 123, 8149-8169.	0.8	47
180	The ELFIN Mission. Space Science Reviews, 2020, 216, 103.	3.7	47

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181	Near-Earth magnetotail reconnection powers space storms. Nature Physics, 2020, 16, 317-321.	6.5	47
182	Characterization of ULF pulsations by THEMIS. Geophysical Research Letters, 2009, 36, .	1.5	46
183	Solar wind influence on Pc4 and Pc5 ULF wave activity in the inner magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	46
184	Outer radiation belt boundary location relative to the magnetopause: Implications for magnetopause shadowing. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	46
185	Whistler and Electron Firehose Instability Control of Electron Distributions in and Around Dipolarizing Flux Bundles. Geophysical Research Letters, 2018, 45, 9380-9389.	1.5	46
186	Characteristics of pseudobreakups and substorms observed in the ionosphere, at the geosynchronous orbit, and in the midtail. Journal of Geophysical Research, 1999, 104, 12263-12287.	3.3	45
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