

Vassilis Angelopoulos

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

579
papers

24,969
citations

73
h-index

131
g-index

607
ext. papers

27,836
ext. citations

4
avg, IF

7.1
L-index

#	Paper	IF	Citations
579	The THEMIS Mission. <i>Space Science Reviews</i> , 2008 , 141, 5-34	7.5	1073
578	Bursty bulk flows in the inner central plasma sheet. <i>Journal of Geophysical Research</i> , 1992 , 97, 4027		827
577	The THEMIS ESA Plasma Instrument and In-flight Calibration. <i>Space Science Reviews</i> , 2008 , 141, 277-302	7.5	765
576	Neutral line model of substorms: Past results and present view. <i>Journal of Geophysical Research</i> , 1996 , 101, 12975-13010		737
575	Statistical characteristics of bursty bulk flow events. <i>Journal of Geophysical Research</i> , 1994 , 99, 21257		547
574	THEMIS observations of an earthward-propagating dipolarization front. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	469
573	Tail reconnection triggering substorm onset. <i>Science</i> , 2008 , 321, 931-5	33.3	464
572	The Electric Field Instrument (EFI) for THEMIS. <i>Space Science Reviews</i> , 2008 , 141, 303-341	7.5	344
571	Explaining sudden losses of outer radiation belt electrons during geomagnetic storms. <i>Nature Physics</i> , 2012 , 8, 208-212	16.2	299
570	A THEMIS multicasestudy of dipolarization fronts in the magnetotail plasma sheet. <i>Journal of Geophysical Research</i> , 2011 , 116,		263
569	The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms. <i>Space Science Reviews</i> , 2008 , 141, 357-387	7.5	251
568	Detection of localized, plasma-depleted flux tubes or bubbles in the midtail plasma sheet. <i>Journal of Geophysical Research</i> , 1996 , 101, 10817-10826		251
567	Global distribution of whistler-mode chorus waves observed on the THEMIS spacecraft. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	245
566	On the current sheets surrounding dipolarizing flux bundles in the magnetotail: The case for wedgelets. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2000-2020	2.6	231
565	The Upgraded CARISMA Magnetometer Array in the THEMIS Era. <i>Space Science Reviews</i> , 2008 , 141, 413-454		213
564	Identifying the driver of pulsating aurora. <i>Science</i> , 2010 , 330, 81-4	33.3	208
563	The ARTEMIS Mission. <i>Space Science Reviews</i> , 2011 , 165, 3-25	7.5	207

562	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.5	205
561	Kinetic structure of the sharp injection/dipolarization front in the flow-braking region. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	202
560	Substorm triggering by new plasma intrusion: THEMIS all-sky imager observations. <i>Journal of Geophysical Research</i> , 2010 , 115,		199
559	Electromagnetic energy conversion at reconnection fronts. <i>Science</i> , 2013 , 341, 1478-82	33.3	198
558	Global distribution of wave amplitudes and wave normal angles of chorus waves using THEMIS wave observations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		196
557	THEMIS observations of electromagnetic ion cyclotron wave occurrence: Dependence on AE, SYMH, and solar wind dynamic pressure. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		191
556	Multipoint analysis of a bursty bulk flow event on April 11, 1985. <i>Journal of Geophysical Research</i> , 1996 , 101, 4967-4989		170
555	An observation linking the origin of plasmaspheric hiss to discrete chorus emissions. <i>Science</i> , 2009 , 324, 775-8	33.3	156
554	Characteristics of ion flow in the quiet state of the inner plasma sheet. <i>Geophysical Research Letters</i> , 1993 , 20, 1711-1714	4.9	153
553	First Results from the THEMIS Mission. <i>Space Science Reviews</i> , 2008 , 141, 453-476	7.5	143
552	THEMIS Science Objectives and Mission Phases. <i>Space Science Reviews</i> , 2008 , 141, 35-59	7.5	143
551	Magnetotail flow bursts: Association to global magnetospheric circulation, relationship to ionospheric activity and direct evidence for localization. <i>Geophysical Research Letters</i> , 1997 , 24, 2271-2274	4.9	141
550	Statistical characteristics of particle injections throughout the equatorial magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2512-2535	2.6	139
549	Multiple overshoot and rebound of a bursty bulk flow. <i>Geophysical Research Letters</i> , 2010 , 37,	4.9	139
548	Accelerated ions ahead of earthward propagating dipolarization fronts. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		138
547	Evolution and slow decay of an unusual narrow ring of relativistic electrons near L ~ 3.2 following the September 2012 magnetic storm. <i>Geophysical Research Letters</i> , 2013 , 40, 3507-3511	4.9	137
546	Substorm current wedge driven by plasma flow vortices: THEMIS observations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		134
545	THEMIS ESA First Science Results and Performance Issues. <i>Space Science Reviews</i> , 2008 , 141, 477-508	7.5	126

544	Magnetic flux transport by dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 909-926	2.6	124
543	Multipoint observations of magnetospheric compression-related EMIC Pc1 waves by THEMIS and CARISMA. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	122
542	THEMIS analysis of observed equatorial electron distributions responsible for the chorus excitation. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		121
541	Global distribution of equatorial magnetosonic waves observed by THEMIS. <i>Geophysical Research Letters</i> , 2013 , 40, 1895-1901	4.9	115
540	Intensification of preexisting auroral arc at substorm expansion phase onset: Wave-like disruption during the first tens of seconds. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	115
539	Recent advances in understanding substorm dynamics. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	112
538	Evidence for a flux transfer event generated by multiple X-line reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	109
537	First Results of the THEMIS Search Coil Magnetometers. <i>Space Science Reviews</i> , 2008 , 141, 509-534	7.5	108
536	The THEMIS all-sky imaging array system design and initial results from the prototype imager. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006 , 68, 1472-1487	2	108
535	The effects of transient, localized electric fields on equatorial electron acceleration and transport toward the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		105
534	Global distributions of suprathermal electrons observed on THEMIS and potential mechanisms for access into the plasmasphere. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		104
533	Current sheet measurements within a flapping plasma sheet. <i>Journal of Geophysical Research</i> , 1998 , 103, 9177-9187		100
532	Pulsating aurora from electron scattering by chorus waves. <i>Nature</i> , 2018 , 554, 337-340	50.4	99
531	Whistler-mode waves inside flux pileup region: Structured or unstructured?. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9089-9100	2.6	95
530	On the storm-time evolution of relativistic electron phase space density in Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2196-2212	2.6	94
529	Evaluation of whistler-mode chorus intensification on the nightside during an injection event observed on the THEMIS spacecraft. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		93
528	On the cause and extent of outer radiation belt losses during the 30 September 2012 dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1530-1540	2.6	92
527	Wave and particle characteristics of earthward electron injections associated with dipolarization fronts. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		91

526	Average thermodynamic and spectral properties of plasma in and around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4369-4383	2.6	90
525	Characteristics of the Poynting flux and wave normal vectors of whistler-mode waves observed on THEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1461-1471	2.6	89
524	The dependence of magnetic reconnection on plasma β and magnetic shear: Evidence from magnetopause observations. <i>Geophysical Research Letters</i> , 2013 , 40, 11-16	4.9	86
523	Electron bulk heating in magnetic reconnection at Earth's magnetopause: Dependence on the inflow Alfvén speed and magnetic shear. <i>Geophysical Research Letters</i> , 2013 , 40, 4475-4480	4.9	86
522	Energetic electron injections deep into the inner magnetosphere associated with substorm activity. <i>Geophysical Research Letters</i> , 2015 , 42, 2079-2087	4.9	85
521	Typical properties of rising and falling tone chorus waves. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	84
520	Competing source and loss mechanisms due to wave-particle interactions in Earth's outer radiation belt during the 30 September to 3 October 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1960-1979	2.6	83
519	A THEMIS survey of flux ropes and traveling compression regions: Location of the near-Earth reconnection site during solar minimum. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		81
518	Spatial distributions of the ion to electron temperature ratio in the magnetosheath and plasma sheet. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		81
517	Can flow bursts penetrate into the inner magnetosphere?. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	80
516	New features of electron phase space holes observed by the THEMIS mission. <i>Physical Review Letters</i> , 2009 , 102, 225004	7.4	79
515	First observations of foreshock bubbles upstream of Earth's bow shock: Characteristics and comparisons to HFAs. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1552-1570	2.6	78
514	Anti-sunward high-speed jets in the subsolar magnetosheath. <i>Annales Geophysicae</i> , 2013 , 31, 1877-1889	2	77
513	Observations of double layers in earth's plasma sheet. <i>Physical Review Letters</i> , 2009 , 102, 155002	7.4	77
512	Multipoint observations of dipolarization front formation by magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		76
511	Application and validation of the spherical elementary currents systems technique for deriving ionospheric equivalent currents with the North American and Greenland ground magnetometer arrays. <i>Journal of Geophysical Research</i> , 2011 , 116,		76
510	Characteristics of plasma flows at the inner edge of the plasma sheet. <i>Journal of Geophysical Research</i> , 2011 , 116,		76
509	The role of transient ion foreshock phenomena in driving Pc5 ULF wave activity. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 299-312	2.6	75

508	The role of localized inductive electric fields in electron injections around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9560-9585	2.6	75
507	Magnetosonic wave excitation by ion ring distributions in the Earth's inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 844-852	2.6	74
506	Large-amplitude electric fields associated with bursty bulk flow braking in the Earth's plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1832-1844	2.6	73
505	THEMIS observations of a hot flow anomaly: Solar wind, magnetosheath, and ground-based measurements. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	73
504	Efficient diffuse auroral electron scattering by electrostatic electron cyclotron harmonic waves in the outer magnetosphere: A detailed case study. <i>Journal of Geophysical Research</i> , 2012 , 117,		72
503	Quasi-parallel whistler mode waves observed by THEMIS during near-earth dipolarizations. <i>Annales Geophysicae</i> , 2009 , 27, 2259-2275	2	71
502	Multievent study of the correlation between pulsating aurora and whistler mode chorus emissions. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		70
501	Direct evidence for a three-dimensional magnetic flux rope flanked by two active magnetic reconnection X lines at Earth's magnetopause. <i>Physical Review Letters</i> , 2011 , 107, 165007	7.4	70
500	A multisatellite study of a pseudo-substorm onset in the near-Earth magnetotail. <i>Journal of Geophysical Research</i> , 1993 , 98, 19355-19367		69
499	Ionospheric current signatures of transient plasma sheet flows. <i>Journal of Geophysical Research</i> , 2000 , 105, 10677-10690		68
498	Characteristics of hiss-like and discrete whistler-mode emissions. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	67
497	Anomalous magnetosheath flows and distorted subsolar magnetopause for radial interplanetary magnetic fields. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	67
496	Relativistic electron loss due to ultralow frequency waves and enhanced outward radial diffusion. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		66
495	Mechanism of substorm current wedge formation: THEMIS observations. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	65
494	Electron fluxes and pitch-angle distributions at dipolarization fronts: THEMIS multipoint observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 744-755	2.6	65
493	Time History of Events and Macroscale Interactions during Substorms observations of a series of hot flow anomaly events. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		65
492	On the nature of precursor flows upstream of advancing dipolarization fronts. <i>Journal of Geophysical Research</i> , 2011 , 116,		64
491	Electric and magnetic field observations of Pc4 and Pc5 pulsations in the inner magnetosphere: A statistical study. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		64

490	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. <i>Geophysical Research Letters</i> , 2015 , 42, 987-995	4.9	63
489	Dipolarization fronts in the magnetotail plasma sheet. <i>Planetary and Space Science</i> , 2011 , 59, 517-525	2	63
488	Structures of dayside whistler-mode waves deduced from conjugate diffuse aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 664-673	2.6	61
487	In situ observations of magnetotail reconnection prior to the onset of a small substorm. <i>Journal of Geophysical Research</i> , 1995 , 100, 19121		61
486	On the role of pressure and flow perturbations around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7104-7118	2.6	60
485	Radial distributions of equatorial phase space density for outer radiation belt electrons. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	60
484	Substorm triggering by new plasma intrusion: Incoherent-scatter radar observations. <i>Journal of Geophysical Research</i> , 2010 , 115,		60
483	Suprathermal particle energization in dipolarization fronts: Particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9483-9500	2.6	60
482	Magnetospheric location of the equatorward prebreakup arc. <i>Journal of Geophysical Research</i> , 2012 , 117,		59
481	THEMIS observations of extreme magnetopause motion caused by a hot flow anomaly. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		59
480	On the presence and properties of cold ions near Earth's equatorial magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1749-1770	2.6	58
479	Statistical analysis of the plasmaspheric plume at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4844-4851	2.6	57
478	Observations of kinetic ballooning/interchange instability signatures in the magnetotail. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	57
477	Equatorward moving auroral signatures of a flow burst observed prior to auroral onset. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	57
476	Near-Earth initiation of a terrestrial substorm. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		57
475	Coupling of dipolarization front flow bursts to substorm expansion phase phenomena within the magnetosphere and ionosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		56
474	Poloidal ULF wave observed in the plasmasphere boundary layer. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4298-4307	2.6	56
473	First observation of rising-tone magnetosonic waves. <i>Geophysical Research Letters</i> , 2014 , 41, 7419-7426	4.9	55

472	Observational evidence of the generation mechanism for rising-tone chorus. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	55
471	On the force balance around dipolarization fronts within bursty bulk flows. <i>Journal of Geophysical Research</i> , 2011 , 116,		55
470	The quasi-electrostatic mode of chorus waves and electron nonlinear acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1606-1626	2.6	54
469	Relations between multiple auroral streamers, pre-onset thin arc formation, and substorm auroral onset. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		54
468	Plasma sheet thickness during a bursty bulk flow reversal. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		54
467	Pressure and entropy changes in the flow-braking region during magnetic field dipolarization. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		53
466	Thin current sheet in the substorm late growth phase: Modeling of THEMIS observations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		53
465	Modulation of whistler mode chorus waves: 1. Role of compressional Pc4B pulsations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		52
464	Possible connection of polar cap flows to pre- and post-substorm onset PBIs and streamers. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		52
463	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5520-5536	2.6	52
462	On the origin of pressure and magnetic perturbations ahead of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 211-220	2.6	51
461	Timing and localization of ionospheric signatures associated with substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		51
460	Current carriers near dipolarization fronts in the magnetotail: A THEMIS event study. <i>Journal of Geophysical Research</i> , 2011 , 116,		50
459	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. <i>Journal of Geophysical Research</i> , 2011 , 116,		50
458	THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 284-298	2.6	49
457	Characterizing the dayside magnetosheath using energetic neutral atoms: IBEX and THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3126-3137	2.6	49
456	An advanced approach to finding magnetometer zero levels in the interplanetary magnetic field. <i>Measurement Science and Technology</i> , 2008 , 19, 055104	2	49
455	In Situ Observations of a Magnetosheath High-Speed Jet Triggering Magnetopause Reconnection. <i>Geophysical Research Letters</i> , 2018 , 45, 1732-1740	4.9	48

454	Testing a two-loop pattern of the substorm current wedge (SCW2L). <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 947-963	2.6	48
453	Chorus wave scattering responsible for the Earth's dayside diffuse auroral precipitation: A detailed case study. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 897-908	2.6	48
452	Substorm onset by new plasma intrusion: THEMIS spacecraft observations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		48
451	Preonset time sequence of auroral substorms: Coordinated observations by all-sky imagers, satellites, and radars. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		48
450	Substorm current wedge composition by wedgelets. <i>Geophysical Research Letters</i> , 2015 , 42, 1669-1676	4.9	47
449	Spatial distributions of ion pitch angle anisotropy in the near-Earth magnetosphere and tail plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 244-255	2.6	47
448	Modulation of whistler mode chorus waves: 2. Role of density variations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		47
447	Optical characterization of the growth and spatial structure of a substorm onset arc. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		47
446	THEMIS multi-spacecraft observations of magnetosheath plasma penetration deep into the dayside low-latitude magnetosphere for northward and strong By IMF. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	47
445	Dipolarizing flux bundles in the cis-geosynchronous magnetosphere: Relationship between electric fields and energetic particle injections. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1362-1376	2.6	47
444	Coordinated SuperDARN THEMIS ASI observations of mesoscale flow bursts associated with auroral streamers. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 142-150	2.6	46
443	New evidence for generation mechanisms of discrete and hiss-like whistler mode waves. <i>Geophysical Research Letters</i> , 2014 , 41, 4805-4811	4.9	46
442	Statistical properties of substorm auroral onset beads/rays. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8661-8676	2.6	45
441	Three-dimensional lunar wake reconstructed from ARTEMIS data. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5220-5243	2.6	45
440	Case studies of mirror-mode structures observed by THEMIS in the near-Earth tail during substorms. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		45
439	Substorm triggering by poleward boundary intensification and related equatorward propagation. <i>Journal of Geophysical Research</i> , 2011 , 116,		45
438	Comment on "Tail reconnection triggering substorm onset". <i>Science</i> , 2009 , 324, 1391	33.3	45
437	Wave normal angles of whistler mode chorus rising and falling tones. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9567-9578	2.6	44

436	Predominance of ECH wave contribution to diffuse aurora in Earth's outer magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 295-309	2.6	44
435	Transient electron precipitation during oscillatory BBF braking: THEMIS observations and theoretical estimates. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3065-3076	2.6	44
434	Azimuthal plasma pressure gradient in quiet time plasma sheet. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	44
433	Toward adapted time-dependent magnetospheric models: A simple approach based on tuning the standard model. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		44
432	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6620-6631	2.6	44
431	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2015 , 42, 6170-6179	4.9	43
430	THEMIS observation of chorus elements without a gap at half the gyrofrequency. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		43
429	THEMIS observations of tangential discontinuity-driven foreshock bubbles. <i>Geophysical Research Letters</i> , 2015 , 42, 7860-7866	4.9	42
428	Global distribution of electrostatic electron cyclotron harmonic waves observed on THEMIS. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	42
427	Outer radiation belt boundary location relative to the magnetopause: Implications for magnetopause shadowing. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		42
426	THEMIS observations of substorms on 26 February 2008 initiated by magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		42
425	On the relationship between bursty flows, current disruption and substorms. <i>Geophysical Research Letters</i> , 1999 , 26, 2841-2844	4.9	42
424	Geoeffective jets impacting the magnetopause are very common. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3240-3253	2.6	42
423	Emergence of the active magnetotail plasma sheet boundary from transient, localized ion acceleration. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		41
422	First Results from ARTEMIS, a New Two-Spacecraft Lunar Mission: Counter-Streaming Plasma Populations in the Lunar Wake. <i>Space Science Reviews</i> , 2011 , 165, 93-107	7.5	41
421	First lunar wake passage of ARTEMIS: Discrimination of wake effects and solar wind fluctuations by 3D hybrid simulations. <i>Planetary and Space Science</i> , 2011 , 59, 661-671	2	41
420	Surface waves and field line resonances: A THEMIS case study. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		41
419	Characteristics of pseudobreakups and substorms observed in the ionosphere, at the geosynchronous orbit, and in the midtail. <i>Journal of Geophysical Research</i> , 1999 , 104, 12263-12287		41

418	Extensive electron transport and energization via multiple, localized dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5059-5076	2.6	40
417	ARTEMIS Science Objectives. <i>Space Science Reviews</i> , 2011 , 165, 59-91	7.5	40
416	The THEMIS Mission 2009 , 5-34		40
415	Ionospheric localisation and expansion of long-period Pi1 pulsations at substorm onset. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	40
414	Statistical distribution of EMIC wave spectra: Observations from Van Allen Probes. <i>Geophysical Research Letters</i> , 2016 , 43, 12,348	4.9	40
413	First evidence for chorus at a large geocentric distance as a source of plasmaspheric hiss: Coordinated THEMIS and Van Allen Probes observation. <i>Geophysical Research Letters</i> , 2015 , 42, 241-248	4.9	39
412	Global properties of magnetotail current sheet flapping: THEMIS perspectives. <i>Annales Geophysicae</i> , 2009 , 27, 319-328	2	39
411	Characterization of ULF pulsations by THEMIS. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	39
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