

Bruce T Tsurutani

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495
papers

24,388
citations

80
h-index

135
g-index

511
ext. papers

26,334
ext. citations

4.2
avg, IF

6.57
L-index

#	Paper	IF	Citations
495	What is a geomagnetic storm?. <i>Journal of Geophysical Research</i> , 1994 , 99, 5771		1361
494	Postmidnight chorus: A substorm phenomenon. <i>Journal of Geophysical Research</i> , 1974 , 79, 118-127		491
493	Origin of interplanetary southward magnetic fields responsible for major magnetic storms near solar maximum (1978-1979). <i>Journal of Geophysical Research</i> , 1988 , 93, 8519		441
492	The Cassini Magnetic Field Investigation. <i>Space Science Reviews</i> , 2004 , 114, 331-383	7.5	391
491	Interplanetary origin of geomagnetic storms. <i>Space Science Reviews</i> , 1999 , 88, 529-562	7.5	386
490	Criteria of interplanetary parameters causing intense magnetic storms (Dst Planetary and Space Science, 1987 , 35, 1101-1109	2	384
489	Two types of magnetospheric ELF chorus and their substorm dependences. <i>Journal of Geophysical Research</i> , 1977 , 82, 5112-5128		352
488	The extreme magnetic storm of 10 September 1859. <i>Journal of Geophysical Research</i> , 2003 , 108,		339
487	Interplanetary origin of geomagnetic activity in the declining phase of the solar cycle. <i>Journal of Geophysical Research</i> , 1995 , 100, 21717-21733		336
486	Lion roars and nonoscillatory drift mirror waves in the magnetosheath. <i>Journal of Geophysical Research</i> , 1982 , 87, 6060		323
485	Global dayside ionospheric uplift and enhancement associated with interplanetary electric fields. <i>Journal of Geophysical Research</i> , 2004 , 109,		320
484	The cause of high-intensity long-duration continuous AE activity (HILDCAAs): Interplanetary Alfvén wave trains. <i>Planetary and Space Science</i> , 1987 , 35, 405-412	2	320
483	Dayside global ionospheric response to the major interplanetary events of October 29-30, 2003 Halloween Storms. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	303
482	Corotating solar wind streams and recurrent geomagnetic activity: A review. <i>Journal of Geophysical Research</i> , 2006 , 111,		290
481	Observations of the interplanetary sector structure up to heliographic latitudes of 16°: Pioneer 11. <i>Journal of Geophysical Research</i> , 1978 , 83, 717		266
480	Current understanding of magnetic storms: Storm-substorm relationships. <i>Journal of Geophysical Research</i> , 1998 , 103, 17705-17728		251
479	The heliospheric magnetic field over the South polar region of the sun. <i>Science</i> , 1995 , 268, 1007-10	33.3	237

478	Structure of the magnetotail at 220 RE and its response to geomagnetic activity. <i>Geophysical Research Letters</i> , 1984 , 11, 5-7	4.9	227
477	The Interplanetary Causes of Magnetic Storms: A Review. <i>Geophysical Monograph Series</i> , 1997 , 77-89	1.1	220
476	Solar wind-magnetosphere coupling during intense magnetic storms (1978-1979). <i>Journal of Geophysical Research</i> , 1989 , 94, 8835		220
475	Great magnetic storms. <i>Geophysical Research Letters</i> , 1992 , 19, 73-76	4.9	216
474	Hydromagnetic waves and instabilities associated with cometary ion pickup: ICE observations. <i>Geophysical Research Letters</i> , 1986 , 13, 263-266	4.9	197
473	Cassini magnetometer observations during Saturn orbit insertion. <i>Science</i> , 2005 , 307, 1266-70	33.3	196
472	Interplanetary conditions causing intense geomagnetic storms (Dst \leq 100 nT) during solar cycle 23 (1996-2006). <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		192
471	Acceleration of >47 keV ions and >2 keV electrons by interplanetary shocks at 1 AU. <i>Journal of Geophysical Research</i> , 1985 , 90, 1-11		190
470	Two-step development of geomagnetic storms. <i>Journal of Geophysical Research</i> , 1998 , 103, 6917-6921		183
469	Strong hydromagnetic turbulence associated with comet Giacobini-Zinner. <i>Geophysical Research Letters</i> , 1986 , 13, 259-262	4.9	183
468	International cometary explorer encounter with giacobini-zinner: magnetic field observations. <i>Science</i> , 1986 , 232, 382-5	33.3	176
467	The October 28, 2003 extreme EUV solar flare and resultant extreme ionospheric effects: Comparison to other Halloween events and the Bastille Day event. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	171
466	A Quarter Century of Collisionless Shock Research. <i>Geophysical Monograph Series</i> , 2013 , 1-36	1.1	170
465	Substorm associated traveling compression regions in the distant tail: Isee-3 Geotail observations. <i>Geophysical Research Letters</i> , 1984 , 11, 657-660	4.9	169
464	The Role of Magnetosphere-Ionosphere Coupling in Magnetic Storm Dynamics. <i>Geophysical Monograph Series</i> , 1997 , 107-116	1.1	155
463	Plasma wave turbulence at the magnetopause: Observations from ISEE 1 and 2. <i>Journal of Geophysical Research</i> , 1979 , 84, 7043		154
462	A reexamination of rotational and tangential discontinuities in the solar wind. <i>Journal of Geophysical Research</i> , 1984 , 89, 5395		151
461	Rapid intensification and propagation of the dayside aurora: Large scale interplanetary pressure pulses (fast shocks). <i>Geophysical Research Letters</i> , 1999 , 26, 1097-1100	4.9	147

460	The nonlinear response of AE to the IMF BS driver: A spectral break at 5 hours. <i>Geophysical Research Letters</i> , 1990 , 17, 279-282	4.9	140
459	magnetosheath lion roars. <i>Journal of Geophysical Research</i> , 1976 , 81, 2261-2266		140
458	RPC-MAG The Fluxgate Magnetometer in the ROSETTA Plasma Consortium. <i>Space Science Reviews</i> , 2007 , 128, 649-670	7.5	139
457	Prompt penetration electric fields (PPEFs) and their ionospheric effects during the great magnetic storm of 30 ^B 1 October 2003. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		137
456	Waves observed upstream of interplanetary shocks. <i>Journal of Geophysical Research</i> , 1983 , 88, 5645		134
455	Interplanetary discontinuities: Temporal variations and the radial gradient from 1 to 8.5 AU. <i>Journal of Geophysical Research</i> , 1979 , 84, 2773		134
454	Some basic concepts of wave-particle interactions in collisionless plasmas. <i>Reviews of Geophysics</i> , 1997 , 35, 491-501	23.1	130
453	Interplanetary shock triggering of nightside geomagnetic activity: Substorms, pseudobreakups, and quiescent events. <i>Journal of Geophysical Research</i> , 2001 , 106, 18957-18967		127
452	Global ionosphere perturbations monitored by the Worldwide GPS Network. <i>Geophysical Research Letters</i> , 1996 , 23, 3219-3222	4.9	124
451	Magnetic field observations during the ulysses flyby of jupiter. <i>Science</i> , 1992 , 257, 1515-8	33.3	124
450	Plasma waves near the magnetopause. <i>Journal of Geophysical Research</i> , 1982 , 87, 2087		123
449	Plasmaspheric hiss intensity variations during magnetic storms. <i>Journal of Geophysical Research</i> , 1974 , 79, 2507-2510		123
448	Disappearance of the heliospheric sector structure at Ulysses. <i>Geophysical Research Letters</i> , 1993 , 20, 2327-2330	4.9	122
447	Diffusion processes in the magnetopause boundary layer. <i>Geophysical Research Letters</i> , 1982 , 9, 1247-1250	4.9	109
446	Evolution of the Earth's distant magnetotail: ISEE 3 electron plasma results. <i>Journal of Geophysical Research</i> , 1984 , 89, 11007		107
445	The distant magnetotail's response to a strong interplanetary magnetic field By: Twisting, flattening, and field line bending. <i>Journal of Geophysical Research</i> , 1985 , 90, 4011		107
444	Average configuration of the distant (. <i>Geophysical Research Letters</i> , 1983 , 10, 973-976	4.9	106
443	Dust Near The Sun. <i>Space Science Reviews</i> , 2004 , 110, 269-305	7.5	103

442	Shock Drift Acceleration. <i>Geophysical Monograph Series</i> , 1985 , 271-285	1.1	102
441	Physics of Mass Loaded Plasmas. <i>Space Science Reviews</i> , 2000 , 94, 429-671	7.5	101
440	A review of discontinuities and Alfvén waves in interplanetary space: Ulysses results. <i>Reviews of Geophysics</i> , 1999 , 37, 517-541	23.1	100
439	An ISEE 3 high time resolution study of interplanetary parameter correlations with magnetospheric activity. <i>Journal of Geophysical Research</i> , 1983 , 88, 6230		100
438	Magnetic Storm Associated Perturbations of the Upper Atmosphere. <i>Geophysical Monograph Series</i> , 1997 , 227-241	1.1	99
437	The relationship between interplanetary discontinuities and Alfvén waves: Ulysses observations. <i>Geophysical Research Letters</i> , 1994 , 21, 2267-2270	4.9	99
436	Propagation mechanism of daytime Pc 3 pulsations observed at synchronous orbit and multiple ground-based stations. <i>Journal of Geophysical Research</i> , 1985 , 90, 6439		97
435	Periodic variation in the geomagnetic activity: A study based on the Ap index. <i>Journal of Geophysical Research</i> , 1993 , 98, 9215		95
434	A brief review of solar flare effects on the ionosphere. <i>Radio Science</i> , 2009 , 44, n/a-n/a	1.4	94
433	Isolated electrostatic structures observed throughout the Cluster orbit: relationship to magnetic field strength. <i>Annales Geophysicae</i> , 2004 , 22, 2515-2523	2	94
432	Wave normal directions of chorus near the equatorial source region. <i>Journal of Geophysical Research</i> , 1984 , 89, 2789		94
431	Upstream Suprathermal Ions. <i>Geophysical Monograph Series</i> , 1985 , 253-270	1.1	94
430	Properties of dayside outer zone chorus during HILDCAA events: Loss of energetic electrons. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		93
429	Interplanetary conditions leading to superintense geomagnetic storms (Dst \leq 50 nT) during solar cycle 23. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	93
428	Magnetosheath and heliosheath mirror mode structures, interplanetary magnetic decreases, and linear magnetic decreases: Differences and distinguishing features. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		91
427	How Does the Thermosphere and Ionosphere React to a Geomagnetic Storm?. <i>Geophysical Monograph Series</i> , 1997 , 203-225	1.1	89
426	Modeling of the Contribution of Electromagnetic Ion Cyclotron (EMIC) Waves to Stormtime Ring Current Erosion. <i>Geophysical Monograph Series</i> , 1997 , 187-202	1.1	89
425	Upstream waves and particles: An overview of ISEE results. <i>Journal of Geophysical Research</i> , 1981 , 86, 4317-4324		89

4 ²⁴	Electromagnetic hiss and relativistic electron losses in the inner zone. <i>Journal of Geophysical Research</i> , 1975 , 80, 600-607		89
4 ²³	The Role of Substorms in the Generation of Magnetic Storms. <i>Geophysical Monograph Series</i> , 1997 , 131-147		86
4 ²²	Giacobini-Zinner magnetotail: ICE magnetic field observations. <i>Geophysical Research Letters</i> , 1986 , 13, 283-286	4.9	86
4 ²¹	Interplanetary magnetic-field variations and substorm activity. <i>Journal of Geophysical Research</i> , 1972 , 77, 2964-2970		85
4 ²⁰	Magnetohydrodynamic and Gasdynamic Theories for Planetary Bow Waves. <i>Geophysical Monograph Series</i> , 1985 , 85-107	1.1	84
4 ¹⁹	Are high-intensity long-duration continuous AE activity (HILDCAA) events substorm expansion events?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 167-176	2	83
4 ¹⁸	Shock aurora: FAST and DMSP observations. <i>Journal of Geophysical Research</i> , 2003 , 108,		83
4 ¹⁷	Steepened magnetosonic waves at comet Giacobini-Zinner. <i>Journal of Geophysical Research</i> , 1987 , 92, 11074		82
4 ¹⁶	Survey of Poynting flux of whistler mode chorus in the outer zone. <i>Journal of Geophysical Research</i> , 2010 , 115,		80
4 ¹⁵	Intense space storms: Critical issues and open disputes. <i>Journal of Geophysical Research</i> , 2003 , 108,		79
4 ¹⁴	Energetic protons accelerated at corotating shocks: Pioneer 10 and 11 observations from 1 to 6 AU. <i>Journal of Geophysical Research</i> , 1982 , 87, 7389		79
4 ¹³	Plasma and energetic particle structure upstream of a quasi-parallel interplanetary shock. <i>Journal of Geophysical Research</i> , 1984 , 89, 5419		78
4 ¹²	Solitary waves observed in the auroral zone: the Cluster multi-spacecraft perspective. <i>Nonlinear Processes in Geophysics</i> , 2004 , 11, 183-196	2.9	77
4 ¹¹	Plasma waves in the dayside polar cap boundary layer: Bipolar and monopolar electric pulses and whistler mode waves. <i>Geophysical Research Letters</i> , 1998 , 25, 4117-4120	4.9	77
4 ¹⁰	Detailed examination of a plasmoid in the distant magnetotail with ISEE 3. <i>Geophysical Research Letters</i> , 1984 , 11, 1046-1049	4.9	76
4 ⁰⁹	Numerical Simulations of Quasi-Perpendicular Collisionless Shocks. <i>Geophysical Monograph Series</i> , 1985 , 153-168	1.1	76
4 ⁰⁸	Magnetic cloud field intensities and solar wind velocities. <i>Geophysical Research Letters</i> , 1998 , 25, 963-966	4.9	75
4 ⁰⁷	Interplanetary Alfvén waves and auroral (substorm) activity: IMP 8. <i>Journal of Geophysical Research</i> , 1990 , 95, 2241		75

406	The efficiency of viscous interaction between the solar wind and the magnetosphere during intense northward IMF events. <i>Geophysical Research Letters</i> , 1995 , 22, 663-666	4.9	74
405	Nonlinear Alfvén waves, discontinuities, proton perpendicular acceleration, and magnetic holes/decreases in interplanetary space and the magnetosphere: intermediate shocks?. <i>Nonlinear Processes in Geophysics</i> , 2005 , 12, 321-336	2.9	73
404	Slow mode shocks in the Earth' magnetotail: ISEE-3. <i>Geophysical Research Letters</i> , 1984 , 11, 1054-1057	4.9	73
403	Observations of the right-hand resonant ion beam instability in the distant plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 1985 , 90, 12159		73
402	Interplanetary origin of intense geomagnetic storms (Dst Geophysical Research Letters, 2007 , 34,	4.9	72
401	Interplanetary Origin of Intense, Superintense and Extreme Geomagnetic Storms. <i>Space Science Reviews</i> , 2011 , 158, 69-89	7.5	71
400	Plasma Waves and Instabilities. <i>Geophysical Monograph Series</i> , 1985 , 207-224	1.1	71
399	Extremely intense ELF magnetosonic waves: A survey of polar observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 964-977	2.6	69
398	The solar and interplanetary causes of the recent minimum in geomagnetic activity (MGA23): a combination of midlatitude small coronal holes, low IMF <i>B</i> <i>I</i> <i>Z</i> variances, low solar wind speeds and low solar magnetic fields. <i>Annales Geophysicae</i> , 2011 , 29, 839-849	2	69
397	Resonant interactions between cometary ions and low frequency electromagnetic waves. <i>Planetary and Space Science</i> , 1987 , 35, 1501-1511	2	69
396	Energetic ion regimes in the deep geomagnetic tail: ISEE-3. <i>Geophysical Research Letters</i> , 1984 , 11, 275-278	4.9	69
395	The relationship between the IMF <i>B_y</i> and the distant tail (150-238 Re) lobe and plasmashet <i>B_y</i> fields. <i>Geophysical Research Letters</i> , 1984 , 11, 1082-1085	4.9	69
394	Solar cycle dependence of High-Intensity Long-Duration Continuous AE Activity (HILDCAA) events, relativistic electron predictors?. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5626-5638	2.6	68
393	Plasma wave spectra near slow mode shocks in the distant magnetotail. <i>Geophysical Research Letters</i> , 1984 , 11, 1050-1053	4.9	68
392	Superposed epoch analysis of the dayside ionospheric response to four intense geomagnetic storms. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		67
391	Effects of intense storms and substorms on the equatorial ionosphere/thermosphere system in the American sector from ground-based and satellite data. <i>Journal of Geophysical Research</i> , 1997 , 102, 14305-14313		66
390	Geomagnetic Sudden impulses and storm sudden commencements: A note on terminology. <i>Eos</i> , 1990 , 71, 1808	1.5	66
389	Magnetic Clouds and the Quiet-Storm Effect at Earth. <i>Geophysical Monograph Series</i> , 1997 , 91-106	1.1	63

388	Large amplitude IMF fluctuations in corotating interaction regions: Ulysses at midlatitudes. <i>Geophysical Research Letters</i> , 1995 , 22, 3397-3400	4.9	63
387	Magnetic structure of the distant geotail from 80 to 20 Re: ISEE-3. <i>Geophysical Research Letters</i> , 1984 , 11, 1-4	4.9	62
386	Relationship between the IMF magnitude and Pc 3 magnetic pulsations in the magnetosphere. <i>Journal of Geophysical Research</i> , 1984 , 89, 9731		62
385	Nonlinear magnetosonic waves and mirror mode structures in the March 1991 Ulysses interplanetary event. <i>Geophysical Research Letters</i> , 1992 , 19, 1267-1270	4.9	61
384	Plasma entry into the distant tail lobes: ISEE-3. <i>Geophysical Research Letters</i> , 1984 , 11, 1078-1081	4.9	61
383	Electromagnetic ion beam instabilities: II. <i>Physics of Fluids</i> , 1985 , 28, 3691		61
382	Survey of low-frequency electromagnetic waves stimulated by two coexisting newborn ion species. <i>Journal of Geophysical Research</i> , 1988 , 93, 48		60
381	Interplanetary Shocks on the Large Scale: A Retrospective on the Last Decade's Theoretical Efforts. <i>Geophysical Monograph Series</i> , 1985 , 51-68	1.1	60
380	Energetic electron (>10 keV) microburst precipitation, ~50 s X-ray pulsations, chorus, and wave-particle interactions: A review. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2296-2312	2.6	59
379	Observation of a new type of low-frequency waves at comet 67P/Churyumov-Gerasimenko. <i>Annales Geophysicae</i> , 2015 , 33, 1031-1036	2	59
378	On the generation of solitary waves observed by Cluster in the near-Earth magnetosheath. <i>Nonlinear Processes in Geophysics</i> , 2005 , 12, 181-193	2.9	59
377	The semiannual variation of great geomagnetic storms and the postshock Russell-McPherron effect preceding coronal mass ejecta. <i>Geophysical Research Letters</i> , 1992 , 19, 429-432	4.9	59
376	Structure of the November 12, 1978, quasi-parallel interplanetary shock. <i>Journal of Geophysical Research</i> , 1984 , 89, 5436		59
375	Comet-solar wind interaction: Dynamical length scales and models. <i>Geophysical Research Letters</i> , 1986 , 13, 239-242	4.9	59
374	Plasmaspheric hiss properties: Observations from Polar. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 414-431	2.6	58
373	The generation mechanism for magnetosheath lion roars. <i>Nature</i> , 1981 , 293, 384-386	50.4	58
372	The local time variation of ELF emissions during periods of substorm activity. <i>Journal of Geophysical Research</i> , 1977 , 82, 1585-1590		58
371	Geomagnetic storms: historical perspective to modern view. <i>Geoscience Letters</i> , 2016 , 3,	3.5	56

370	CAWSES November 7B, 2004, superstorm: Complex solar and interplanetary features in the post-solar maximum phase. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	56
369	Anomalous geomagnetic storm of 21-22 January 2005: A storm main phase during northward IMFs. <i>Journal of Geophysical Research</i> , 2008 , 113,		56
368	Diffusive Acceleration. <i>Geophysical Monograph Series</i> , 1985 , 287-301	1.1	56
367	Wave-particle interactions at the magnetopause: Contributions to the dayside aurora. <i>Geophysical Research Letters</i> , 1981 , 8, 183-186	4.9	55
366	Modeling Convection Effects in Magnetic Storms. <i>Geophysical Monograph Series</i> , 1997 , 161-172	1.1	54
365	XUV Photometer System (XPS): Improved Solar Irradiance Algorithm Using CHIANTI Spectral Models. <i>Solar Physics</i> , 2008 , 250, 235-267	2.6	53
364	Acceleration of Energetic Particles. <i>Geophysical Monograph Series</i> , 2013 , 91-114	1.1	52
363	Solar sources of interplanetary southward Bz events responsible for major magnetic storms (1978-1979). <i>Journal of Geophysical Research</i> , 1989 , 94, 3535		52
362	A survey of low frequency waves at Jupiter: The Ulysses encounter. <i>Journal of Geophysical Research</i> , 1993 , 98, 21203-21216		51
361	Microinstabilities and Anomalous Transport. <i>Geophysical Monograph Series</i> , 2013 , 59-90	1.1	50
360	Phase-steepened Alfvén waves, proton perpendicular energization and the creation of magnetic holes and magnetic decreases: The ponderomotive force. <i>Geophysical Research Letters</i> , 2002 , 29, 86-1-86-4	4.9	50
359	A statistical study of ELF-VLF plasma waves at the magnetopause. <i>Journal of Geophysical Research</i> , 1989 , 94, 1270		50
358	Interplanetary origins of moderate (~ 100 nT) magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 385-392	2.6	49
357	Ulysses observations of latitude gradients in the heliospheric magnetic field: Radial component and variances. <i>Space Science Reviews</i> , 1995 , 72, 165-170	7.5	49
356	Generation mechanism for magnetic holes in the solar wind. <i>Geophysical Research Letters</i> , 2001 , 28, 1355-1358	4.1	48
355	Extremely intense (SML ≥ 500 nT) substorms: isolated events that are externally triggered?. <i>Annales Geophysicae</i> , 2015 , 33, 519-524	2	47
354	Orientation, location, and velocity of Saturn's bow shock: Initial results from the Cassini spacecraft. <i>Journal of Geophysical Research</i> , 2006 , 111,		46
353	Magnetosonic waves adjacent to the plasma sheet in the distant magnetotail: ISEE-3. <i>Geophysical Research Letters</i> , 1984 , 11, 331-334	4.9	46

352	Oblique, Parallel, and Quasi-Parallel Morphology of Collisionless Shocks. <i>Geophysical Monograph Series</i> , 1985 , 169-184	1.1	46
351	Acceleration of energetic protons by interplanetary shocks. <i>Journal of Geophysical Research</i> , 1979 , 84, 7297		46
350	An extreme coronal mass ejection and consequences for the magnetosphere and Earth. <i>Geophysical Research Letters</i> , 2014 , 41, 287-292	4.9	45
349	Relationship between discontinuities, magnetic holes, magnetic decreases, and nonlinear Alfvén waves: Ulysses observations over the solar poles. <i>Geophysical Research Letters</i> , 2002 , 29, 23-1	4.9	45
348	Jovian electron bursts: Correlation with the interplanetary field direction and hydromagnetic waves. <i>Journal of Geophysical Research</i> , 1976 , 81, 65-72		45
347	The interplanetary causes of geomagnetic activity during the 7-17 March 2012 interval: a CAUSES II overview. <i>Journal of Space Weather and Space Climate</i> , 2014 , 4, A02	2.5	44
346	Observations of 35- to 1600-keV protons and low-frequency waves upstream of interplanetary shocks. <i>Journal of Geophysical Research</i> , 1985 , 90, 3973		44
345	First direct magnetic field measurements of an asteroidal magnetic field: DS1 at Braille. <i>Geophysical Research Letters</i> , 2001 , 28, 1913-1916	4.9	43
344	Coupling between the solar wind and the magnetosphere: CDAW 6. <i>Journal of Geophysical Research</i> , 1985 , 90, 1191		43
343	Variability of ionospheric TEC during solar and geomagnetic minima (2008 and 2009): external high speed stream drivers. <i>Annales Geophysicae</i> , 2013 , 31, 263-276	2	42
342	Pitch angle transport of electrons due to cyclotron interactions with the coherent chorus subelements. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		42
341	Energetics of Magnetic Storms Driven by Corotating Interaction Regions: A Study of Geoeffectiveness. <i>Geophysical Monograph Series</i> , 2006 , 113-124	1.1	42
340	Solar wind-magnetosphere energy coupling efficiency and partitioning: HILDCAAs and preceding CIR storms during solar cycle 23. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2675-2690	2.6	41
339	Magnetic holes in the solar wind and their relation to mirror-mode structures. <i>Space Science Reviews</i> , 1995 , 72, 201-204	7.5	41
338	Interplanetary discontinuities and Alfvén waves at high heliographic latitudes: Ulysses. <i>Journal of Geophysical Research</i> , 1996 , 101, 11027-11038		41
337	Reply to L. J. Lanzerotti: Solar wind RAM pressure corrections and an estimation of the efficiency of viscous interaction. <i>Geophysical Research Letters</i> , 1992 , 19, 1993-1994	4.9	41
336	Saturn's magnetosphere: Observations of ion cyclotron waves near the Dione L shell. <i>Journal of Geophysical Research</i> , 1983 , 88, 7831		41
335	The two-lobe structure of the distant (≈ 200 Re) magnetotail. <i>Geophysical Research Letters</i> , 1984 , 11, 1066-1069	4.9	41

334	Relativistic electron acceleration during high-intensity, long-duration, continuous AE activity (HILDCAA) events: Solar cycle phase dependences. <i>Geophysical Research Letters</i> , 2014 , 41, 1876-1881	4.9	40
333	Mirror instability and L-mode electromagnetic ion cyclotron instability: Competition in the Earth's magnetosheath. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		40
332	The interaction of a very large interplanetary magnetic cloud with the magnetosphere and with cosmic rays. <i>Journal of Geophysical Research</i> , 1991 , 96, 9425		40
331	Properties of obliquely propagating chorus. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		39
330	Coronal hole-active region-Current sheet (CHARCS) Association with intense interplanetary and geomagnetic activity. <i>Geophysical Research Letters</i> , 1996 , 23, 2577-2580	4.9	39
329	Subcritical and supercritical interplanetary shocks: Magnetic field and energetic particle observations. <i>Journal of Geophysical Research</i> , 1986 , 91, 11929		39
328	Heliospheric plasma sheet (HPS) impingement onto the magnetosphere as a cause of relativistic electron dropouts (REDs) via coherent EMIC wave scattering with possible consequences for climate change mechanisms. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,130-10,156	2.6	39
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326	Comets: a Laboratory for Plasma Waves and Instabilities. <i>Geophysical Monograph Series</i> , 2013 , 189-209	1.1	38
325	Quasi-coherent chorus properties: 1. Implications for wave-particle interactions. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		38
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