

Stuart D Bale

List of Publications by Citations

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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.

381
papers

13,476
citations

58
h-index

104
g-index

445
ext. papers

16,606
ext. citations

5.9
avg, IF

6.36
L-index

#	Paper	IF	Citations
381	The Solar Probe Plus Mission: Humanity's First Visit to Our Star. <i>Space Science Reviews</i> , 2016 , 204, 7-48	7.5	488
380	Measurement of the electric fluctuation spectrum of magnetohydrodynamic turbulence. <i>Physical Review Letters</i> , 2005 , 94, 215002	7.4	390
379	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013 , 179, 183-220	7.5	360
378	Magnetic fluctuation power near proton temperature anisotropy instability thresholds in the solar wind. <i>Physical Review Letters</i> , 2009 , 103, 211101	7.4	316
377	The FIELDS Instrument Suite for Solar Probe Plus: Measuring the Coronal Plasma and Magnetic Field, Plasma Waves and Turbulence, and Radio Signatures of Solar Transients. <i>Space Science Reviews</i> , 2016 , 204, 49-82	7.5	303
376	Evidence of diffusion regions at a subsolar magnetopause crossing. <i>Physical Review Letters</i> , 2002 , 89, 015002	7.4	293
375	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008 , 136, 487-528	7.5	269
374	Evidence for electron acceleration up to approximately 300 keV in the magnetic reconnection diffusion region of earth's magnetotail. <i>Physical Review Letters</i> , 2002 , 89, 195001	7.4	263
373	Solar Wind Electrons Alphas and Protons (SWEAP) Investigation: Design of the Solar Wind and Coronal Plasma Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016 , 204, 131-186	7.5	257
372	Bipolar electrostatic structures in the shock transition region: Evidence of electron phase space holes. <i>Geophysical Research Letters</i> , 1998 , 25, 2929-2932	4.9	228
371	STEREO IMPACT Investigation Goals, Measurements, and Data Products Overview. <i>Space Science Reviews</i> , 2008 , 136, 117-184	7.5	226
370	Discovery of very large amplitude whistler-mode waves in Earth's radiation belts. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	221
369	IDENTIFICATION OF KINETIC ALFVÉN WAVE TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2012 , 745, L9	7.9	218
368	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019 , 576, 237-242	50.4	215
367	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.5	205
366	Solar Wind Turbulence and the Role of Ion Instabilities. <i>Space Science Reviews</i> , 2013 , 178, 101-139	7.5	179
365	Observations of an extreme storm in interplanetary space caused by successive coronal mass ejections. <i>Nature Communications</i> , 2014 , 5, 3481	17.4	178

364	WindSpacecraft Observations of Solar Impulsive Electron Events Associated with Solar Type III Radio Bursts. <i>Astrophysical Journal</i> , 1998 , 503, 435-445	4.7	176
363	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. <i>Nature</i> , 2019 , 576, 228-231	50.4	172
362	The source region of an interplanetary type II radio burst. <i>Geophysical Research Letters</i> , 1999 , 26, 1573-1576	4.7	169
361	Dissipation in turbulent plasma due to reconnection in thin current sheets. <i>Physical Review Letters</i> , 2007 , 99, 025004	7.4	165
360	GEOMETRIC TRIANGULATION OF IMAGING OBSERVATIONS TO TRACK CORONAL MASS EJECTIONS CONTINUOUSLY OUT TO 1 AU. <i>Astrophysical Journal Letters</i> , 2010 , 710, L82-L87	7.9	157
359	INCORPORATING KINETIC PHYSICS INTO A TWO-FLUID SOLAR-WIND MODEL WITH TEMPERATURE ANISOTROPY AND LOW-FREQUENCY ALFVÉN-WAVE TURBULENCE. <i>Astrophysical Journal</i> , 2011 , 743, 197	4.7	136
358	Quasi-perpendicular Shock Structure and Processes. <i>Space Science Reviews</i> , 2005 , 118, 161-203	7.5	121
357	Observation of lower hybrid drift instability in the diffusion region at a reconnecting magnetopause. <i>Geophysical Research Letters</i> , 2002 , 29, 33-1-33-4	4.9	121
356	Observations of turbulence generated by magnetic reconnection. <i>Physical Review Letters</i> , 2009 , 102, 035001	7.4	120
355	Dust Detection by the Wave Instrument on STEREO: Nanoparticles Picked up by the Solar Wind?. <i>Solar Physics</i> , 2009 , 256, 463-474	2.6	120
354	THE SLOW-MODE NATURE OF COMPRESSIBLE WAVE POWER IN SOLAR WIND TURBULENCE. <i>Astrophysical Journal Letters</i> , 2012 , 753, L19	7.9	119
353	Electrons and magnetic fields in the lunar plasma wake. <i>Journal of Geophysical Research</i> , 2005 , 110,		117
352	Ion-scale spectral break of solar wind turbulence at high and low beta. <i>Geophysical Research Letters</i> , 2014 , 41, 8081-8088	4.9	111
351	RECONSTRUCTING CORONAL MASS EJECTIONS WITH COORDINATED IMAGING AND IN SITU OBSERVATIONS: GLOBAL STRUCTURE, KINEMATICS, AND IMPLICATIONS FOR SPACE WEATHER FORECASTING. <i>Astrophysical Journal</i> , 2010 , 722, 1762-1777	4.7	111
350	SOLAR WIND MAGNETOHYDRODYNAMICS TURBULENCE: ANOMALOUS SCALING AND ROLE OF INTERMITTENCY. <i>Astrophysical Journal</i> , 2009 , 702, 537-553	4.7	110
349	ON SUN-TO-EARTH PROPAGATION OF CORONAL MASS EJECTIONS. <i>Astrophysical Journal</i> , 2013 , 769, 45	4.7	107
348	Quasi-parallel Shock Structure and Processes. <i>Space Science Reviews</i> , 2005 , 118, 205-222	7.5	105
347	Electron Properties and Coulomb Collisions in the Solar Wind at 1 AU:WindObservations. <i>Astrophysical Journal</i> , 2003 , 585, 1147-1157	4.7	98

346	What are the relative roles of heating and cooling in generating solar wind temperature anisotropies?. <i>Physical Review Letters</i> , 2011 , 107, 201101	7.4	95
345	The Electric Antennas for the STEREO/WAVES Experiment. <i>Space Science Reviews</i> , 2008 , 136, 529-547	7.5	94
344	Probing the first stars and black holes in the early Universe with the Dark Ages Radio Explorer (DARE). <i>Advances in Space Research</i> , 2012 , 49, 433-450	2.4	91
343	INTERACTIONS BETWEEN CORONAL MASS EJECTIONS VIEWED IN COORDINATED IMAGING AND IN SITU OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2012 , 746, L15	7.9	91
342	THREE-DIMENSIONAL STRUCTURE OF SOLAR WIND TURBULENCE. <i>Astrophysical Journal</i> , 2012 , 758, 1204-7		88
341	Density fluctuation spectrum of solar wind turbulence between ion and electron scales. <i>Physical Review Letters</i> , 2012 , 109, 035001	7.4	84
340	Switchbacks in the Near-Sun Magnetic Field: Long Memory and Impact on the Turbulence Cascade. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 39	8	81
339	Eigenmode structure in solar-wind Langmuir waves. <i>Physical Review Letters</i> , 2008 , 101, 051101	7.4	80
338	Interplanetary dust detection by radio antennas: Mass calibration and fluxes measured by STEREO/WAVES. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		79
337	A Comprehensive View of the 2006 December 13 CME: From the Sun to Interplanetary Space. <i>Astrophysical Journal</i> , 2008 , 689, 563-571	4.7	79
336	USING SYNTHETIC SPACECRAFT DATA TO INTERPRET COMPRESSIBLE FLUCTUATIONS IN SOLAR WIND TURBULENCE. <i>Astrophysical Journal</i> , 2012 , 755, 159	4.7	78
335	The Dynamic Quasiperpendicular Shock: Cluster Discoveries. <i>Space Science Reviews</i> , 2013 , 178, 535-598	7.5	78
334	RESIDUAL ENERGY SPECTRUM OF SOLAR WIND TURBULENCE. <i>Astrophysical Journal</i> , 2013 , 770, 125	4.7	77
333	RELATIONSHIP BETWEEN A CORONAL MASS EJECTION-DRIVEN SHOCK AND A CORONAL METRIC TYPE II BURST. <i>Astrophysical Journal</i> , 2009 , 691, L151-L155	4.7	77
332	THEMIS observations of a hot flow anomaly: Solar wind, magnetosheath, and ground-based measurements. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	73
331	Reconstruction of the 2007 May 22 Magnetic Cloud: How Much Can We Trust the Flux-Rope Geometry of CMEs?. <i>Astrophysical Journal</i> , 2008 , 677, L133-L136	4.7	73
330	The Evolution and Role of Solar Wind Turbulence in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 53	8	72
329	SOLAR SOURCE AND HELIOSPHERIC CONSEQUENCES OF THE 2010 APRIL 3 CORONAL MASS EJECTION: A COMPREHENSIVE VIEW. <i>Astrophysical Journal</i> , 2011 , 734, 84	4.7	71

328	Density-transition scale at quasiperpendicular collisionless shocks. <i>Physical Review Letters</i> , 2003 , 91, 265004	7.4	70
327	A simple simulation of a plasma void: Applications to Wind observations of the lunar wake. <i>Journal of Geophysical Research</i> , 1998 , 103, 23653-23660		69
326	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019 , 576, 223-227	50.4	67
325	Sharp Alfvénic Impulses in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 45	8	62
324	Electrostatic Turbulence and Debye-Scale Structures Associated with Electron Thermalization at Collisionless Shocks. <i>Astrophysical Journal</i> , 2002 , 575, L25-L28	4.7	59
323	ELECTRON HEAT CONDUCTION IN THE SOLAR WIND: TRANSITION FROM SPITZER-HBM TO THE COLLISIONLESS LIMIT. <i>Astrophysical Journal Letters</i> , 2013 , 769, L22	7.9	58
322	MULTI-SPECIES MEASUREMENTS OF THE FIREHOSE AND MIRROR INSTABILITY THRESHOLDS IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2016 , 825, L26	7.9	58
321	Electrons in the Young Solar Wind: First Results from the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 22	8	55
320	Megavolt parallel potentials arising from double-layer streams in the Earth's outer radiation belt. <i>Physical Review Letters</i> , 2013 , 111, 235002	7.4	55
319	Magnetic Connectivity of the Ecliptic Plane within 0.5 au: Potential Field Source Surface Modeling of the First Parker Solar Probe Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 23	8	54
318	The Statistical Properties of Solar Wind Temperature Parameters Near 1 au. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 236, 41	8	54
317	Multipoint Observations of Solar Type III Radio Bursts from STEREO and Wind. <i>Solar Physics</i> , 2009 , 259, 255-276	2.6	53
316	Observations of kinetic scale field line resonances. <i>Geophysical Research Letters</i> , 2014 , 41, 209-215	4.9	52
315	THE 2010 AUGUST 1 TYPE II BURST: A CME-CME INTERACTION AND ITS RADIO AND WHITE-LIGHT MANIFESTATIONS. <i>Astrophysical Journal</i> , 2012 , 748, 66	4.7	52
314	Turbulence Heating Observer Satellite mission proposal. <i>Journal of Plasma Physics</i> , 2016 , 82,	2.7	51
313	Evidence for wave coupling in type III emissions. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		51
312	Langmuir waves in a fluctuating solar wind. <i>Journal of Geophysical Research</i> , 1999 , 104, 17069-17078		51
311	The Solar Orbiter magnetometer. <i>Astronomy and Astrophysics</i> , 2020 , 642, A9	5.1	51

310	Switchbacks in the Solar Magnetic Field: Their Evolution, Their Content, and Their Effects on the Plasma. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 68	8	50
309	Magnetic Field Kinks and Folds in the Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 32	8	50
308	FRAME DEPENDENCE OF THE ELECTRIC FIELD SPECTRUM OF SOLAR WIND TURBULENCE. <i>Astrophysical Journal Letters</i> , 2011 , 737, L41	7.9	50
307	Spacecraft charging and ion wake formation in the near-Sun environment. <i>Physics of Plasmas</i> , 2010 , 17, 072903	2.1	49
306	Measurement of large parallel and perpendicular electric fields on electron spatial scales in the terrestrial bow shock. <i>Physical Review Letters</i> , 2007 , 98, 205001	7.4	49
305	Determination of dispersion relations in quasi-stationary plasma turbulence using dual satellite data. <i>Geophysical Research Letters</i> , 1995 , 22, 2653-2656	4.9	49
304	Structure of the lunar wake: Two-dimensional global hybrid simulations. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	48
303	Transverse z-mode waves in the terrestrial electron foreshock. <i>Geophysical Research Letters</i> , 1998 , 25, 9-12	4.9	46
302	Whistler Fan Instability Driven by Strahl Electrons in the Solar Wind. <i>Astrophysical Journal Letters</i> , 2019 , 871, L29	7.9	43
301	Statistical Study of Whistler Waves in the Solar Wind at 1 au. <i>Astrophysical Journal</i> , 2019 , 878, 41	4.7	42
300	Whistler Wave Generation by Halo Electrons in the Solar Wind. <i>Astrophysical Journal Letters</i> , 2019 , 870, L6	7.9	42
299	First In Situ Measurements of Electron Density and Temperature from Quasi-thermal Noise Spectroscopy with Parker Solar Probe/FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 44	8	41
298	Plasma wave measurements with STEREO S/WAVES: Calibration, potential model, and preliminary results. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		40
297	Coordinated ground-based and Cluster observations of large amplitude global magnetospheric oscillations during a fast solar wind speed interval. <i>Annales Geophysicae</i> , 2002 , 20, 405-426	2	40
296	Electron Energy Partition across Interplanetary Shocks. I. Methodology and Data Product. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243,	8	39
295	Observations of electron diffusion regions at the subsolar magnetopause. <i>Physical Review Letters</i> , 2003 , 91, 245002	7.4	39
294	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020 , 642, A12	5.1	39
293	Identification of Magnetic Flux Ropes from Parker Solar Probe Observations during the First Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 26	8	38

292	Cross Helicity Reversals in Magnetic Switchbacks. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 67	8	37
291	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 34	8	37
290	On the amplitude of intense Langmuir waves in the terrestrial electron foreshock. <i>Journal of Geophysical Research</i> , 1997 , 102, 11281-11286		36
289	Solitary structures associated with short large-amplitude magnetic structures (SLAMS) upstream of the Earth's quasi-parallel bow shock. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	36
288	Self-induced Scattering of Strahl Electrons in the Solar Wind. <i>Astrophysical Journal</i> , 2019 , 886, 136	4.7	36
287	The Digital Fields Board for the FIELDS instrument suite on the Solar Probe Plus mission: Analog and digital signal processing. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5088-5096	2.6	34
286	Evidence of currents and unstable particle distributions in an extended region around the lunar plasma wake. <i>Geophysical Research Letters</i> , 1997 , 24, 1427-1430	4.9	34
285	Structure on Interplanetary Shock Fronts: Type II Radio Burst Source Regions. <i>Astrophysical Journal</i> , 2008 , 676, 1330-1337	4.7	34
284	The Role of Alfvén Wave Dynamics on the Large-scale Properties of the Solar Wind: Comparing an MHD Simulation with Parker Solar Probe E1 Data. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 24	8	33
283	STEREO SECCHI and S/WAVES Observations of Spacecraft Debris Caused by Micron-Size Interplanetary Dust Impacts. <i>Solar Physics</i> , 2009 , 256, 475-488	2.6	33
282	New features of electron diffusion regions observed at subsolar magnetic field reconnection sites. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	33
281	Relating Streamer Flows to Density and Magnetic Structures at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 37	8	32
280	Enhanced Energy Transfer Rate in Solar Wind Turbulence Observed near the Sun from Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 48	8	32
279	Phase coupling in Langmuir wave packets: Possible evidence of three-wave interactions in the upstream solar wind. <i>Geophysical Research Letters</i> , 1996 , 23, 109-112	4.9	32
278	The Solar Probe Plus Radio Frequency Spectrometer: Measurement requirements, analog design, and digital signal processing. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2836-2854	2.6	31
277	Ion-scale Electromagnetic Waves in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 66	8	31
276	PROTON HEATING IN SOLAR WIND COMPRESSIBLE TURBULENCE WITH COLLISIONS BETWEEN COUNTER-PROPAGATING WAVES. <i>Astrophysical Journal Letters</i> , 2015 , 813, L30	7.9	31
275	Dispersive nature of high mach number collisionless plasma shocks: Poynting flux of oblique whistler waves. <i>Physical Review Letters</i> , 2012 , 108, 025002	7.4	31

274	Large-amplitude electrostatic waves associated with magnetic ramp substructure at Earth's bow shock. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	31
273	SOLAR WIND ~20000 keV SUPERHALO ELECTRONS AT QUIET TIMES. <i>Astrophysical Journal Letters</i> , 2015 , 803, L2	7.9	30
272	Proton Temperature Anisotropy Variations in Inner Heliosphere Estimated with the First Parker Solar Probe Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 70	8	30
271	The Heliospheric Current Sheet in the Inner Heliosphere Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 47	8	30
270	Collisional thermalization of hydrogen and helium in solar-wind plasma. <i>Physical Review Letters</i> , 2013 , 111, 241101	7.4	30
269	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020 , 642, A3	5.1	30
268	Measures of Scale-dependent Alfvénicity in the First PSP Solar Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 58	8	29
267	A Zone of Preferential Ion Heating Extends Tens of Solar Radii from the Sun. <i>Astrophysical Journal</i> , 2017 , 849, 126	4.7	29
266	STEREO/Waves Goniopolarimetry. <i>Space Science Reviews</i> , 2008 , 136, 549-563	7.5	29
265	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at 35.7 R _☉ Radii. <i>Astrophysical Journal Letters</i> , 2020 , 891, L20	7.9	28
264	The Near-Sun Dust Environment: Initial Observations from Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 27	8	28
263	CORONAL MASS EJECTIONS AND GLOBAL CORONAL MAGNETIC FIELD RECONFIGURATION. <i>Astrophysical Journal</i> , 2009 , 698, L51-L55	4.7	28
262	A statistical study of the cross-shock electric potential at low Mach number, quasi-perpendicular bow shock crossings using Cluster data. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		27
261	Langmuir waves upstream of interplanetary shocks: Dependence on shock and plasma parameters. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		27
260	Solitary Waves Across Supercritical Quasi-Perpendicular Shocks. <i>Geophysical Research Letters</i> , 2018 , 45, 5809	4.9	26
259	Nonlinear Evolution of the Whistler Heat Flux Instability. <i>Astrophysical Journal</i> , 2019 , 882, 81	4.7	26
258	Spin-modulated spacecraft floating potential: Observations and effects on electron moments. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 647-657	2.6	26
257	Coronal Hard X-Ray Emission Associated with Radio Type III Bursts. <i>Astrophysical Journal</i> , 2008 , 681, 644-649	4.9	26

256	Anticorrelation between the Bulk Speed and the Electron Temperature in the Pristine Solar Wind: First Results from the Parker Solar Probe and Comparison with Helios. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 62	8	26
255	Electron Energy Partition across Interplanetary Shocks. II. Statistics. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 245, 24	8	26
254	Parker Solar Probe Observations of Proton Beams Simultaneous with Ion-scale Waves. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 248, 5	8	25
253	Whistler waves, Langmuir waves and single loss cone electron distributions inside a magnetic cloud: Observations. <i>Journal of Geophysical Research</i> , 2001 , 106, 8301-8313		25
252	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit. <i>Astrophysical Journal Letters</i> , 2020 , 894, L19	7-9	24
251	A small mission concept to the Sun-Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 146, 171-185	2	24
250	GENERATION OF ELECTRIC CURRENTS IN THE CHROMOSPHERE VIA NEUTRAL-ION DRAG. <i>Astrophysical Journal</i> , 2010 , 724, 1542-1550	4-7	24
249	Solar Wind Electric Fields in the Ion Cyclotron Frequency Range. <i>Astrophysical Journal</i> , 2006 , 645, 704-710	7	24
248	Multisatellite and ground-based observations of a tailward propagating Pc5 magnetospheric waveguide mode. <i>Journal of Geophysical Research</i> , 1998 , 103, 4657-4669		24
247	Exploring Solar Wind Origins and Connecting Plasma Flows from the Parker Solar Probe to 1 au: Nonspherical Source Surface and Alfvénic Fluctuations. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 54	8	24
246	Simultaneous Multispacecraft Probing of Electron Phase Space Holes. <i>Geophysical Research Letters</i> , 2018 , 45, 11,513-11,519	4-9	24
245	Density Fluctuations in the Solar Wind Based on Type III Radio Bursts Observed by Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 57	8	23
244	A search for Langmuir solitons in the Earth's foreshock. <i>Journal of Geophysical Research</i> , 1999 , 104, 6751-6757		23
243	Switchbacks as signatures of magnetic flux ropes generated by interchange reconnection in the corona. <i>Astronomy and Astrophysics</i> , 2021 , 650, A2	5-1	23
242	Localized Magnetic-field Structures and Their Boundaries in the Near-Sun Solar Wind from Parker Solar Probe Measurements. <i>Astrophysical Journal</i> , 2020 , 893, 93	4-7	23
241	Electrostatic Turbulence and Debye-scale Structures in Collisionless Shocks. <i>Astrophysical Journal Letters</i> , 2020 , 889, L9	7-9	22
240	Coronal Electron Temperature Inferred from the Strahl Electrons in the Inner Heliosphere: Parker Solar Probe and Helios Observations. <i>Astrophysical Journal</i> , 2020 , 892, 88	4-7	22
239	A z mode electron-cyclotron maser model for bottomside ionospheric harmonic radio emissions. <i>Journal of Geophysical Research</i> , 1998 , 103, 7017-7026		22

238	Clustering of Intermittent Magnetic and Flow Structures near Parker Solar Probe's First Perihelion: A Partial-variance-of-increments Analysis. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 31	8	21
237	QUIET-TIME SUPRATHERMAL (~0.1–1.5 keV) ELECTRONS IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2016 , 820, 22	4.7	21
236	Rapid fluctuations of stratospheric electric field following a solar energetic particle event. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	21
235	On the beam speed and wavenumber of intense electron plasma waves near the foreshock edge. <i>Journal of Geophysical Research</i> , 2000 , 105, 27353-27367		21
234	On the antenna calibration of space radio instruments using the galactic background: General formulas and application to STEREO/WAVES. <i>Radio Science</i> , 2011 , 46, n/a-n/a	1.4	20
233	The Radio Observatory on the Lunar Surface for Solar studies. <i>Advances in Space Research</i> , 2011 , 48, 1942-1957		20
232	Bow shock motions observed with CLUSTER. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	20
231	Solar Wind Streams and Stream Interaction Regions Observed by the Parker Solar Probe with Corresponding Observations at 1 au. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 36	8	19
230	Density Fluctuations in the Solar Wind Driven by Alfvén Wave Parametric Decay. <i>Astrophysical Journal Letters</i> , 2018 , 854, L33	7.9	19
229	Do Langmuir wave packets in the solar wind collapse?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		19
228	The Radial Dependence of Proton-scale Magnetic Spectral Break in Slow Solar Wind during PSP Encounter 2. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 55	8	19
227	Enhanced proton parallel temperature inside patches of switchbacks in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2021 , 650, L1	5.1	19
226	Analysis of the Internal Structure of the Streamer Blowout Observed by the Parker Solar Probe During the First Solar Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 63	8	18
225	Interplanetary Nanodust Detection by the Solar Terrestrial Relations Observatory/WAVES Low Frequency Receiver. <i>Solar Physics</i> , 2013 , 286, 549-559	2.6	18
224	Electron heat flux in the near-Sun environment. <i>Astronomy and Astrophysics</i> , 2021 , 650, A15	5.1	18
223	ON THE BRIGHTNESS AND WAITING-TIME DISTRIBUTIONS OF A TYPE III RADIO STORM OBSERVED BY STEREO/WAVES. <i>Astrophysical Journal Letters</i> , 2010 , 708, L95-L99	7.9	17
222	Modification of the solar wind electron velocity distribution at interplanetary shocks. <i>Journal of Geophysical Research</i> , 2003 , 108,		17
221	Cluster at the Bow Shock: Introduction. <i>Space Science Reviews</i> , 2005 , 118, 155-160	7.5	17

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