Stuart D Bale

List of Publications by Year in Descending Order

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	Clouds of Spacecraft Debris Liberated by Hypervelocity Dust Impacts on Parker Solar Probe. *Astrophysical Journal*, **2022**, 925, 27	4.7	0
380	Strong Perpendicular Velocity-space Diffusion in Proton Beams Observed by Parker Solar Probe. *Astrophysical Journal*, **2022**, 924, 112	4.7	1
379	Multipoint Interplanetary Coronal Mass Ejections Observed with Solar Orbiter, BepiColombo, Parker Solar Probe, Wind, and STEREO-A. *Astrophysical Journal Letters*, **2022**, 924, L6	7.9	3
378	Parker Solar Probe Evidence for the Absence of Whistlers Close to the Sun to Scatter Strahl and to Regulate Heat Flux. *Astrophysical Journal Letters*, **2022**, 924, L33	7.9	2
377	Improving the Alfvn Wave Solar Atmosphere Model Based on Parker Solar Probe Data. *Astrophysical Journal*, **2022**, 925, 146	4.7	4
376	Flux Rope Merging and the Structure of Switchbacks in the Solar Wind. *Astrophysical Journal*, **2022**, 925, 213	4.7	0
375	PSP/IS?IS Observation of a Solar Energetic Particle Event Associated with a Streamer Blowout Coronal Mass Ejection during Encounter 6. *Astrophysical Journal*, **2022**, 925, 212	4.7	0
374	Sub-Alfvnic Solar Wind Observed by the Parker Solar Probe: Characterization of Turbulence, Anisotropy, Intermittency, and Switchback. *Astrophysical Journal Letters*, **2022**, 926, L1	7.9	1
373	Multiband Electrostatic Waves below and above the Electron Cyclotron Frequency in the Near-Sun Solar Wind. *Astrophysical Journal Letters*, **2022**, 926, L3	7.9	0
372	An Improved Technique for Measuring Plasma Density to High Frequencies on the Parker Solar Probe. *Astrophysical Journal*, **2022**, 926, 220	4.7	
371	Kinetic-scale Current Sheets in the Solar Wind at 1 au: Scale-dependent Properties and Critical Current Density. *Astrophysical Journal Letters*, **2022**, 926, L19	7.9	3
370	Turbulence in the Sub-Alfvnic Solar Wind. *Astrophysical Journal Letters*, **2022**, 926, L16	7.9	2
369	AlphaProton Differential Flow of the Young Solar Wind: Parker Solar Probe Observations. *Astrophysical Journal Letters*, **2022**, 926, L38	7.9	0
368	Langmuir-Slow Extraordinary Mode Magnetic Signature Observations with Parker Solar Probe. *Astrophysical Journal*, **2022**, 927, 95	4.7	1
367	Statistical Analysis of Intermittency and its Association with Proton Heating in the Near-Sun Environment. *Astrophysical Journal*, **2022**, 927, 140	4.7	1
366	Core Electron Heating by Triggered Ion Acoustic Waves in the Solar Wind. *Astrophysical Journal Letters*, **2022**, 927, L15	7.9	0
365	Suprathermal Ion Energy Spectra and Anisotropies near the Heliospheric Current Sheet Crossing Observed by the Parker Solar Probe during Encounter 7. *Astrophysical Journal*, **2022**, 927, 62	4.7	

364	The Turbulent Properties of the Sub-Alfvnic Solar Wind Measured by the Parker Solar Probe. *Astrophysical Journal Letters*, **2022**, 928, L15	7.9	0
363	Kinetic-scale Current Sheets in Near-Sun Solar Wind: Properties, Scale-dependent Features and Reconnection Onset. *Astrophysical Journal*, **2022**, 929, 58	4.7	0
362	Eugene N. Parker (1927-2022).. *Science*, **2022**, 376, 461	33.3	0
361	Direct First Parker Solar Probe Observation of the Interaction of Two Successive Interplanetary Coronal Mass Ejections in 2020 November. *Astrophysical Journal*, **2022**, 930, 88	4.7	0
360	Do cities have a unique magnetic pulse?. *Journal of Applied Physics*, **2022**, 131, 204902	2.5	
359	Parker Solar Probe Enters the Magnetically Dominated Solar Corona.. *Physical Review Letters*, **2021**, 127, 255101	7.4	13
358	Ambipolar Electric Field and Potential in the Solar Wind Estimated from Electron Velocity Distribution Functions. *Astrophysical Journal*, **2021**, 921, 83	4.7	4
357	MHD and Ion Kinetic Waves in Field-aligned Flows Observed by Parker Solar Probe. *Astrophysical Journal*, **2021**, 922, 188	4.7	4
356	Solar Wind ~0.15.5 keV Electrons around Corotating Interaction Regions at 1 au. *Astrophysical Journal*, **2021**, 922, 198	4.7	1
355	Energetic Particles Associated with a Coronal Mass Ejection Shock Interacting with a Convected Magnetic Structure. *Astrophysical Journal*, **2021**, 921, 102	4.7	2
354	Comparative Analysis of the 2020 November 29 Solar Energetic Particle Event Observed by Parker Solar Probe. *Astrophysical Journal*, **2021**, 920, 123	4.7	5
353	Exploring the Solar Wind from Its Source on the Corona into the Inner Heliosphere during the First Solar Orbiter–Parker Solar Probe Quadrature. *Astrophysical Journal Letters*, **2021**, 920, L14	7.9	3
352	Origin of the Weak Plasma Emission Line Detected by Voyager 1 in the Interstellar Medium: Evidence for Suprathermal Electrons. *Astrophysical Journal*, **2021**, 921, 62	4.7	1
351	The Encounter of the Parker Solar Probe and a Comet-like Object Near the Sun: Model Predictions and Measurements. *Astrophysical Journal*, **2021**, 910, 7	4.7	1
350	Inferred Linear Stability of Parker Solar Probe Observations Using One- and Two-component Proton Distributions. *Astrophysical Journal*, **2021**, 909, 7	4.7	6
349	Solar Energetic Electrons Entering the Earth Cusp/Lobe. *Astrophysical Journal*, **2021**, 910, 12	4.7	1
348	Low Radio Frequency Observations from the Moon Enabled by NASA Landed Payload Missions. *Planetary Science Journal*, **2021**, 2, 44	2.9	2
347	The Ion Transition Range of Solar Wind Turbulence in the Inner Heliosphere: Parker Solar Probe Observations. *Astrophysical Journal Letters*, **2021**, 909, L7	7.9	5

346	Multiscale Solar Wind Turbulence Properties inside and near Switchbacks Measured by the Parker Solar Probe. *Astrophysical Journal*, **2021**, 912, 28	4.7	4
345	Parker Solar Probe Evidence for Scattering of Electrons in the Young Solar Wind by Narrowband Whistler-mode Waves. *Astrophysical Journal Letters*, **2021**, 911, L29	7.9	11
344	Subproton-scale Intermittency in Near-Sun Solar Wind Turbulence Observed by the Parker Solar Probe. *Astrophysical Journal Letters*, **2021**, 911, L7	7.9	7
343	Non-Detection of Lightning During the Second Parker Solar Probe Venus Gravity Assist. *Geophysical Research Letters*, **2021**, 48, e2020GL091751	4.9	0
342	Parker Solar Probe FIELDS Instrument Charging in the Near Sun Environment: Part 1: Computational Model. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028688	2.6	2
341	Statistics of Low Frequency Cutoffs for Type III Radio Bursts Observed by Parker Solar Probe during Its Encounters 1–5. *Astrophysical Journal Letters*, **2021**, 913, L1	7.9	4
340	Evolution of Solar Wind Turbulence from 0.1 to 1 au during the First Parker Solar Probe–Solar Orbiter Radial Alignment. *Astrophysical Journal Letters*, **2021**, 912, L21	7.9	11
339	Parker Solar Probe FIELDS Instrument Charging in the Near Sun Environment: Part 2: Comparison of In-Flight Data and Modeling Results. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028689	2.6	1
338	Periodicities in an active region correlated with Type III radio bursts observed by Parker Solar Probe.. *Astronomy and Astrophysics*, **2021**, 650, A6	5.1	4
337	Wave-particle energy transfer directly observed in an ion cyclotron wave. *Astronomy and Astrophysics*, **2021**, 650, A10	5.1	3
336	Magnetic increases with central current sheets: observations with Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A11	5.1	5
335	Electron Bernstein waves and narrowband plasma waves near the electron cyclotron frequency in the near-Sun solar wind. *Astronomy and Astrophysics*, **2021**, 650, A97	5.1	3
334	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. *Astronomy and Astrophysics*, **2021**, 650, L4	5.1	4
333	Alfvēnic versus non-Alfvēnic turbulence in the inner heliosphere as observed by Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A21	5.1	5
332	The near-Sun streamer belt solar wind: turbulence and solar wind acceleration. *Astronomy and Astrophysics*, **2021**, 650, L3	5.1	11
331	Switchbacks as signatures of magnetic flux ropes generated by interchange reconnection in the corona. *Astronomy and Astrophysics*, **2021**, 650, A2	5.1	23
330	Anisotropy of Solar Wind Turbulence in the Inner Heliosphere at Kinetic Scales: PSP Observations. *Astrophysical Journal Letters*, **2021**, 915, L8	7.9	8
329	Electron heat flux in the near-Sun environment. *Astronomy and Astrophysics*, **2021**, 650, A15	5.1	18

328	Whistler wave occurrence and the interaction with strahl electrons during the first encounter of Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A9	5.1	9
327	The active region source of a type III radio storm observed by Parker Solar Probe during encounter 2. *Astronomy and Astrophysics*, **2021**, 650, A7	5.1	8
326	Switchbacks: statistical properties and deviations from Alfvﬁicity. *Astronomy and Astrophysics*, **2021**, 650, A3	5.1	10
325	Enhanced proton parallel temperature inside patches of switchbacks in the inner heliosphere. *Astronomy and Astrophysics*, **2021**, 650, L1	5.1	19
324	Parker Solar Probe observations of He/H abundance variations in SEP events inside 0.5 au. *Astronomy and Astrophysics*, **2021**, 650, A23	5.1	6
323	A living catalog of stream interaction regions in the Parker Solar Probe era. *Astronomy and Astrophysics*, **2021**, 650, A25	5.1	5
322	Statistical analysis of orientation, shape, and size of solar wind switchbacks. *Astronomy and Astrophysics*, **2021**, 650, A1	5.1	17
321	Detection of small magnetic flux ropes from the third and fourth Parker Solar Probe encounters. *Astronomy and Astrophysics*, **2021**, 650, A12	5.1	15
320	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. *Astronomy and Astrophysics*, **2021**, 650, A13	5.1	8
319	Measurement of the open magnetic flux in the inner heliosphere down to 0.13 AU. *Astronomy and Astrophysics*, **2021**, 650, A18	5.1	11
318	The contribution of alpha particles to the solar wind angular momentum flux in the inner heliosphere. *Astronomy and Astrophysics*, **2021**, 650, A17	5.1	4
317	Direct evidence for magnetic reconnection at the boundaries of magnetic switchbacks with Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A5	5.1	9
316	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. *Astronomy and Astrophysics*, **2021**, 650, L5	5.1	7
315	Characteristics of Interplanetary Discontinuities in the Inner Heliosphere Revealed by Parker Solar Probe. *Astrophysical Journal*, **2021**, 916, 65	4.7	3
314	Electrostatic Solitary Waves in the Earth's Bow Shock: Nature, Properties, Lifetimes, and Origin. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029357	2.6	7
313	An Interplanetary Type IIIb Radio Burst Observed by Parker Solar Probe and Its Emission Mechanism. *Astrophysical Journal Letters*, **2021**, 915, L22	7.9	1
312	Switchback Boundary Dissipation and Relative Age. *Astrophysical Journal*, **2021**, 915, 68	4.7	1
311	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO-A. *Geophysical Research Letters*, **2021**, 48, e2020GL091376	4.9	6

310	Parker Solar Probe Observations of Alfvenic Waves and Ion-cyclotron Waves in a Small-scale Flux Rope. *Astrophysical Journal Letters*, **2021**, 908, L19	7.9	2
309	Measurement of Magnetic Field Fluctuations in the Parker Solar Probe and Solar Orbiter Missions. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028543	2.6	9
308	The Sunward Electron Deficit: A Telltale Sign of the Sun's Electric Potential. *Astrophysical Journal*, **2021**, 916, 16	4.7	3
307	Flux conservation, radial scalings, Mach numbers, and critical distances in the solar wind: magnetohydrodynamics and Ulysses observations. *Monthly Notices of the Royal Astronomical Society*, **2021**, 506, 4993-5004	4.3	4
306	Near-Sun Switchback Boundaries: Dissipation with Solar Distance. *Astrophysical Journal*, **2021**, 916, 84	4.7	0
305	Turbulence transport in the solar corona: Theory, modeling, and Parker Solar Probe. *Physics of Plasmas*, **2021**, 28, 080501	2.1	16
304	The Formation and Lifetime of Outflows in a Solar Active Region. *Astrophysical Journal*, **2021**, 917, 25	4.7	4
303	Plasma properties, switchback patches, and low α-particle abundance in slow Alfvenic coronal hole wind at 0.13 au. *Monthly Notices of the Royal Astronomical Society*, **2021**, 508, 236-244	4.3	0
302	Multi-spacecraft study of the solar wind at solar minimum: Dependence on latitude and transient outflows. *Astronomy and Astrophysics*, **2021**, 652, A105	5.1	3
301	On the Origin of Switchbacks Observed in the Solar Wind. *Astrophysical Journal*, **2021**, 919, 60	4.7	4
300	Collisional Evolution of the Inner Zodiacal Cloud. *Planetary Science Journal*, **2021**, 2, 185	2.9	4
299	Evolution of Large-amplitude Alfvén Waves and Generation of Switchbacks in the Expanding Solar Wind. *Astrophysical Journal*, **2021**, 918, 62	4.7	1
298	Dust Directionality and an Anomalous Interplanetary Dust Population Detected by the Parker Solar Probe. *Planetary Science Journal*, **2021**, 2, 186	2.9	6
297	Generation of High-frequency Whistler Waves in the Earth's Quasi-perpendicular Bow Shock. *Astrophysical Journal Letters*, **2021**, 919, L17	7.9	1
296	Characteristic Scales of Magnetic Switchback Patches Near the Sun and Their Possible Association With Solar Supergranulation and Granulation. *Astrophysical Journal*, **2021**, 919, 96	4.7	4
295	Toward a Physics Based Model of Hypervelocity Dust Impacts. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028415	2.6	
294	Energetic Electron Observations by Parker Solar Probe/IS?IS during the First Widespread SEP Event of Solar Cycle 25 on 2020 November 29. *Astrophysical Journal*, **2021**, 919, 119	4.7	5
293	Kinetic-Scale Turbulence in the Venusian Magnetosheath. *Geophysical Research Letters*, **2021**, 48, e2020GL090783	4.9	3

292	A Solar Source of Alfvenic Magnetic Field Switchbacks: In Situ Remnants of Magnetic Funnels on Supergranulation Scales. *Astrophysical Journal*, **2021**, 923, 174	4.7	5
291	Kinetic-scale Current Sheets in the Solar Wind at 1 au: Properties and the Necessary Condition for Reconnection. *Astrophysical Journal Letters*, **2021**, 923, L19	7.9	2
290	Parker Solar Probe Observations of Proton Beams Simultaneous with Ion-scale Waves. *Astrophysical Journal, Supplement Series*, **2020**, 248, 5	8	25
289	Switchbacks in the Solar Magnetic Field: Their Evolution, Their Content, and Their Effects on the Plasma. *Astrophysical Journal, Supplement Series*, **2020**, 246, 68	8	50
288	Experimental Investigation of the Secondary and Backscatter Electron Emission from Spacecraft Materials. *Journal of Spacecraft and Rockets*, **2020**, 57, 793-808	1.5	0
287	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit. *Astrophysical Journal Letters*, **2020**, 894, L19	7.9	24
286	In Situ Observations of Interplanetary Dust Variability in the Inner Heliosphere. *Astrophysical Journal*, **2020**, 892, 115	4.7	10
285	On the Nature and Origin of Bipolar Electrostatic Structures in the Earth's Bow Shock. *Frontiers in Physics*, **2020**, 8,	3.9	11
284	A Merged Search-Coil and Fluxgate Magnetometer Data Product for Parker Solar Probe FIELDS. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027813	2.6	13
283	MHD Mode Composition in the Inner Heliosphere from the Parker Solar Probe's First Perihelion. *Astrophysical Journal, Supplement Series*, **2020**, 246, 71	8	9
282	Proton Temperature Anisotropy Variations in Inner Heliosphere Estimated with the First Parker Solar Probe Observations. *Astrophysical Journal, Supplement Series*, **2020**, 246, 70	8	30
281	Shock Drift Acceleration of Ions in an Interplanetary Shock Observed by MMS. *Astrophysical Journal Letters*, **2020**, 891, L26	7.9	2
280	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at 35.7 R ? Radii. *Astrophysical Journal Letters*, **2020**, 891, L20	7.9	28
279	Examining Dust Directionality with the Parker Solar Probe FIELDS Instrument. *Astrophysical Journal, Supplement Series*, **2020**, 246, 51	8	15
278	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 61	8	12
277	Kinetic Scale Slow Solar Wind Turbulence in the Inner Heliosphere: Coexistence of Kinetic Alfvén Waves and Alfvén Ion Cyclotron Waves. *Astrophysical Journal Letters*, **2020**, 897, L3	7.9	10
276	Constraining Ion-Scale Heating and Spectral Energy Transfer in Observations of Plasma Turbulence. *Physical Review Letters*, **2020**, 125, 025102	7.4	13
275	Relating Streamer Flows to Density and Magnetic Structures at the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 37	8	32

274	Analysis of the Internal Structure of the Streamer Blowout Observed by the Parker Solar Probe During the First Solar Encounter. *Astrophysical Journal, Supplement Series*, **2020**, 246, 63	8	18
273	Density Fluctuations in the Solar Wind Based on Type III Radio Bursts Observed by Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 57	8	23
272	Clustering of Intermittent Magnetic and Flow Structures near Parker Solar Probe's First Perihelion: A Partial-variance-of-increments Analysis. *Astrophysical Journal, Supplement Series*, **2020**, 246, 31	8	21
271	First In Situ Measurements of Electron Density and Temperature from Quasi-thermal Noise Spectroscopy with Parker Solar Probe/FIELDS. *Astrophysical Journal, Supplement Series*, **2020**, 246, 44	8	41
270	Observations of Heating along Intermittent Structures in the Inner Heliosphere from PSP Data. *Astrophysical Journal, Supplement Series*, **2020**, 246, 46	8	7
269	The Heliospheric Current Sheet in the Inner Heliosphere Observed by the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 47	8	30
268	The Evolution and Role of Solar Wind Turbulence in the Inner Heliosphere. *Astrophysical Journal, Supplement Series*, **2020**, 246, 53	8	72
267	Measures of Scale-dependent Alfvenicity in the First PSP Solar Encounter. *Astrophysical Journal, Supplement Series*, **2020**, 246, 58	8	29
266	Source and Propagation of a Streamer Blowout Coronal Mass Ejection Observed by the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 69	8	15
265	Solar Wind Streams and Stream Interaction Regions Observed by the Parker Solar Probe with Corresponding Observations at 1 au. *Astrophysical Journal, Supplement Series*, **2020**, 246, 36	8	19
264	Ion-scale Electromagnetic Waves in the Inner Heliosphere. *Astrophysical Journal, Supplement Series*, **2020**, 246, 66	8	31
263	Cross Helicity Reversals in Magnetic Switchbacks. *Astrophysical Journal, Supplement Series*, **2020**, 246, 67	8	37
262	Case Study of Solar Wind Suprathermal Electron Acceleration at the Earth's Bow Shock. *Astrophysical Journal Letters*, **2020**, 889, L2	7.9	6
261	Electrostatic Turbulence and Debye-scale Structures in Collisionless Shocks. *Astrophysical Journal Letters*, **2020**, 889, L9	7.9	22
260	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. *Astrophysical Journal, Supplement Series*, **2020**, 246, 24	8	33
259	3He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. *Astrophysical Journal, Supplement Series*, **2020**, 246, 42	8	14
258	Enhanced Energy Transfer Rate in Solar Wind Turbulence Observed near the Sun from Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 48	8	32
257	Statistics and Polarization of Type III Radio Bursts Observed in the Inner Heliosphere. *Astrophysical Journal, Supplement Series*, **2020**, 246, 49	8	14

256	CME-associated Energetic Ions at 0.23 au: Consideration of the Auroral Pressure Cooker Mechanism Operating in the Low Corona as a Possible Energization Process. *Astrophysical Journal, Supplement Series*, **2020**, 246, 59	8	12
255	Energetic Particle Increases Associated with Stream Interaction Regions. *Astrophysical Journal, Supplement Series*, **2020**, 246, 20	8	14
254	Plasma Waves near the Electron Cyclotron Frequency in the Near-Sun Solar Wind. *Astrophysical Journal, Supplement Series*, **2020**, 246, 21	8	16
253	Electrons in the Young Solar Wind: First Results from the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 22	8	55
252	Identification of Magnetic Flux Ropes from Parker Solar Probe Observations during the First Encounter. *Astrophysical Journal, Supplement Series*, **2020**, 246, 26	8	38
251	The Near-Sun Dust Environment: Initial Observations from Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 27	8	28
250	The Enhancement of Proton Stochastic Heating in the Near-Sun Solar Wind. *Astrophysical Journal, Supplement Series*, **2020**, 246, 30	8	11
249	Magnetic Field Kinks and Folds in the Solar Wind. *Astrophysical Journal, Supplement Series*, **2020**, 246, 32	8	50
248	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 33	8	10
247	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. *Astrophysical Journal, Supplement Series*, **2020**, 246, 34	8	37
246	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 35	8	14
245	Switchbacks in the Near-Sun Magnetic Field: Long Memory and Impact on the Turbulence Cascade. *Astrophysical Journal, Supplement Series*, **2020**, 246, 39	8	81
244	Predicting the Solar Wind at the Parker Solar Probe Using an Empirically Driven MHD Model. *Astrophysical Journal, Supplement Series*, **2020**, 246, 40	8	8
243	Properties of Suprathermal-through-energetic He Ions Associated with Stream Interaction Regions Observed over the Parker Solar Probe's First Two Orbits. *Astrophysical Journal, Supplement Series*, **2020**, 246, 56	8	16
242	Coronal Electron Temperature Inferred from the Strahl Electrons in the Inner Heliosphere: Parker Solar Probe and Helios Observations. *Astrophysical Journal*, **2020**, 892, 88	4.7	22
241	Electron Energy Partition across Interplanetary Shocks. III. Analysis. *Astrophysical Journal*, **2020**, 893, 22	4.7	12
240	An In Situ Interplanetary □-burst□Observation and Results. *Astrophysical Journal*, **2020**, 897, 170	4.7	1
239	The Electromagnetic Signature of Outward Propagating Ion-scale Waves. *Astrophysical Journal*, **2020**, 899, 74	4.7	8

238	Small Electron Events Observed by Parker Solar Probe/IS?IS during Encounter 2. *Astrophysical Journal*, **2020**, 902, 20	4.7	4
237	On the Scaling Properties of Magnetic-field Fluctuations through the Inner Heliosphere. *Astrophysical Journal*, **2020**, 902, 84	4.7	7
236	Small-scale Magnetic Flux Ropes in the First Two Parker Solar Probe Encounters. *Astrophysical Journal*, **2020**, 903, 76	4.7	13
235	Coherent Events at Ion Scales in the Inner Heliosphere: Parker Solar Probe Observations during the First Encounter. *Astrophysical Journal*, **2020**, 905, 142	4.7	10
234	Magnetic Connectivity of the Ecliptic Plane within 0.5 au: Potential Field Source Surface Modeling of the First Parker Solar Probe Encounter. *Astrophysical Journal, Supplement Series*, **2020**, 246, 23	8	54
233	Sharp Alfv□ic Impulses in the Near-Sun Solar Wind. *Astrophysical Journal, Supplement Series*, **2020**, 246, 45	8	62
232	Time Domain Structures and Dust in the Solar Vicinity: Parker Solar Probe Observations. *Astrophysical Journal, Supplement Series*, **2020**, 246, 50	8	7
231	Kinetic-scale Spectral Features of Cross Helicity and Residual Energy in the Inner Heliosphere. *Astrophysical Journal, Supplement Series*, **2020**, 246, 52	8	3
230	Exploring Solar Wind Origins and Connecting Plasma Flows from the Parker Solar Probe to 1 au: Nonspherical Source Surface and Alfv□ic Fluctuations. *Astrophysical Journal, Supplement Series*, **2020**, 246, 54	8	24
229	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. *Astrophysical Journal, Supplement Series*, **2020**, 246, 62	8	26
228	The Radial Dependence of Proton-scale Magnetic Spectral Break in Slow Solar Wind during PSP Encounter 2. *Astrophysical Journal, Supplement Series*, **2020**, 246, 55	8	19
227	Magnetic Field Dropouts at Near-Sun Switchback Boundaries: A Superposed Epoch Analysis. *Astrophysical Journal, Supplement Series*, **2020**, 249, 28	8	16
226	Cross Helicity of the 2018 November Magnetic Cloud Observed by the Parker Solar Probe. *Astrophysical Journal Letters*, **2020**, 900, L32	7.9	4
225	Wave Composition, Propagation, and Polarization of Magnetohydrodynamic Turbulence within 0.3 au as Observed by Parker Solar Probe. *Astrophysical Journal Letters*, **2020**, 901, L3	7.9	7
224	Turbulence Characteristics of Switchback and Nonswitchback Intervals Observed by Parker Solar Probe. *Astrophysical Journal Letters*, **2020**, 904, L30	7.9	10
223	Quiet-time Solar Wind Suprathermal Electrons of Different Solar Origins. *Astrophysical Journal Letters*, **2020**, 896, L5	7.9	1
222	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. *Astronomy and Astrophysics*, **2020**, 642, A12	5.1	39
221	The Solar Orbiter magnetometer. *Astronomy and Astrophysics*, **2020**, 642, A9	5.1	51

220	The Solar Orbiter Science Activity Plan. *Astronomy and Astrophysics*, **2020**, 642, A3	5.1	30
219	Terrestrial Bow Shock Parameters From MMS Measurements: Dependence on Upstream and Downstream Time Ranges. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027231	2.6	1
218	Plasma Double Layers at the Boundary Between Venus and the Solar Wind. *Geophysical Research Letters*, **2020**, 47, e2020GL090115	4.9	7
217	On quasi-parallel whistler waves in the solar wind. *Physics of Plasmas*, **2020**, 27, 082902	2.1	11
216	Proton core behaviour inside magnetic field switchbacks. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 5524-5531	4.3	10
215	DC and Low-Frequency Electric Field Measurements on the Parker Solar Probe. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027980	2.6	10
214	Multisatellite MMS Analysis of Electron Holes in the Earth's Magnetotail: Origin, Properties, Velocity Gap, and Transverse Instability. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028066	2.6	16
213	Localized Magnetic-field Structures and Their Boundaries in the Near-Sun Solar Wind from Parker Solar Probe Measurements. *Astrophysical Journal*, **2020**, 893, 93	4.7	23
212	Interplay between intermittency and dissipation in collisionless plasma turbulence. *Journal of Plasma Physics*, **2019**, 85,	2.7	14
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