John Bonnell

List of Publications by Year in descending order

147 papers	7,433 citations	61857 43 h-index	62479 80 g-index
153 all docs	153 docs citations	153 times ranked	2839 citing authors

#	Article	IF	Citations
1	The FIELDS Instrument Suite for Solar Probe Plus. Space Science Reviews, 2016, 204, 49-82.	3.7	521
2	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. Space Science Reviews, 2013, 179, 183-220.	3.7	421
3	Highly structured slow solar wind emerging from an equatorial coronal hole. Nature, 2019, 576, 237-242.	13.7	401
4	The Electric Field Instrument (EFI) for THEMIS. Space Science Reviews, 2008, 141, 303-341.	3.7	397
5	The Space Physics Environment Data Analysis System (SPEDAS). Space Science Reviews, 2019, 215, 9.	3.7	332
6	Identifying the Driver of Pulsating Aurora. Science, 2010, 330, 81-84.	6.0	249
7	The Evolution and Role of Solar Wind Turbulence in the Inner Heliosphere. Astrophysical Journal, Supplement Series, 2020, 246, 53.	3.0	166
8	Switchbacks in the Near-Sun Magnetic Field: Long Memory and Impact on the Turbulence Cascade. Astrophysical Journal, Supplement Series, 2020, 246, 39.	3.0	152
9	Multipoint observations of magnetospheric compressionâ€related EMIC Pc1 waves by THEMIS and CARISMA. Geophysical Research Letters, 2008, 35, .	1.5	141
10	Auroral ion acceleration in dispersive AlfvÃ©n waves. Journal of Geophysical Research, 2004, 109, .	3.3	137
11	Excitation of poloidal standing AlfvÃ©n waves through drift resonance waveâ€particle interaction. Geophysical Research Letters, 2013, 40, 4127-4132.	1.5	134
12	THEMIS observations of longâ€lived regions of largeâ€amplitude whistler waves in the inner magnetosphere. Geophysical Research Letters, 2008, 35, .	1.5	133
13	Global distributions of suprathermal electrons observed on THEMIS and potential mechanisms for access into the plasmasphere. Journal of Geophysical Research, 2010, 115, .	3.3	118
14	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.	3.0	106
15	Parker Solar Probe Enters the Magnetically Dominated Solar Corona. Physical Review Letters, 2021, 127, 255101.	2.9	104
16	Observations of coincident EMIC wave activity and duskside energetic electron precipitation on 18â€“19 January 2013. Geophysical Research Letters, 2015, 42, 5727-5735.	1.5	102
17	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.	3.0	100
18	Magnetic Field Kinks and Folds in the Solar Wind. Astrophysical Journal, Supplement Series, 2020, 246, 32.	3.0	86

#	Article	IF	Citations
19	Switchbacks in the Solar Magnetic Field: Their Evolution, Their Content, and Their Effects on the Plasma. Astrophysical Journal, Supplement Series, 2020, 246, 68.	3.0	83
20	Nonlinear electric field structures in the inner magnetosphere. Geophysical Research Letters, 2014, 41, 5693-5701.	1.5	76
21	The Solar Probe Plus Radio Frequency Spectrometer: Measurement requirements, analog design, and digital signal processing. Journal of Geophysical Research: Space Physics, 2017, 122, 2836-2854.	0.8	74
22	Observations of kinetic scale field line resonances. Geophysical Research Letters, 2014, 41, 209-215.	1.5	69
23	Ion-scale Electromagnetic Waves in the Inner Heliosphere. Astrophysical Journal, Supplement Series, 2020, 246, 66.	3.0	67
24	Storm time occurrence and spatial distribution of Pc4 poloidal ULF waves in the inner magnetosphere: A Van Allen Probes statistical study. Journal of Geophysical Research: Space Physics, 2015, 120, 4748-4762.	0.8	66
25	The Role of AlfvÃ©n 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.	3.0	66
26	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. Astrophysical Journal, Supplement Series, 2020, 246, 34.	3.0	65
27	Megavolt Parallel Potentials Arising from Double-Layer Streams in the Earthâ€™s Outer Radiation Belt. Physical Review Letters, 2013, 111, 235002.	2.9	64
28	Electronâ€acoustic solitons and double layers in the inner magnetosphere. Geophysical Research Letters, 2017, 44, 4575-4583.	1.5	62
29	Whistler Fan Instability Driven by Strahl Electrons in the Solar Wind. Astrophysical Journal Letters, 2019, 871, L29.	3.0	62
30	Parker Solar Probe Observations of Proton Beams Simultaneous with Ion-scale Waves. Astrophysical Journal, Supplement Series, 2020, 248, 5.	3.0	62
31	Cross Helicity Reversals in Magnetic Switchbacks. Astrophysical Journal, Supplement Series, 2020, 246, 67.	3.0	61
32	Identification of Magnetic Flux Ropes from Parker Solar Probe Observations during the First Encounter. Astrophysical Journal, Supplement Series, 2020, 246, 26.	3.0	57
33	Broadband lowâ€frequency electromagnetic waves in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 8603-8615.	0.8	56
34	Proton Temperature Anisotropy Variations in Inner Heliosphere Estimated with the First Parker Solar Probe Observations. Astrophysical Journal, Supplement Series, 2020, 246, 70.	3.0	56
35	Enhanced Energy Transfer Rate in Solar Wind Turbulence Observed near the Sun from Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 48.	3.0	56
36	EMIC wave scale size in the inner magnetosphere: Observations from the dual Van Allen Probes. Geophysical Research Letters, 2017, 44, 1227-1233.	1.5	55

#	Article	IF	Citations
37	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.	3.0	55
38	Spatial Extent and Temporal Correlation of Chorus and Hiss: Statistical Results From Multipoint THEMIS Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 8317-8330.	0.8	52
39	Measures of Scale-dependent AlfvÃ©nicity in the First PSP Solar Encounter. Astrophysical Journal, Supplement Series, 2020, 246, 58.	3.0	51
40	The Heliospheric Current Sheet in the Inner Heliosphere Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 47.	3.0	50
41	Phase Decoherence Within Intense Chorus Wave Packets Constrains the Efficiency of Nonlinear Resonant Electron Acceleration. Geophysical Research Letters, 2020, 47, e2020GL089807.	1.5	48
42	Diffusive scattering of electrons by electron holes around injection fronts. Journal of Geophysical Research: Space Physics, 2017, 122, 3163-3182.	0.8	46
43	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at 35.7 R_{âŠ™} Radii. Astrophysical Journal Letters, 2020, 891, L20.	3.0	46
44	Exploring Solar Wind Origins and Connecting Plasma Flows from the Parker Solar Probe to 1 au: Nonspherical Source Surface and AlfvÃ©nic Fluctuations. Astrophysical Journal, Supplement Series, 2020, 246, 54.	3.0	46
45	Electron-acoustic solitary waves in the Earth's inner magnetosphere. Physics of Plasmas, 2018, 25, .	0.7	45
46	Density Fluctuations in the Solar Wind Based on Type III Radio Bursts Observed by Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 57.	3.0	45
47	Externally driven plasmaspheric ULF waves observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2015, 120, 526-552.	0.8	44
48	Localized Magnetic-field Structures and Their Boundaries in the Near-Sun Solar Wind from Parker Solar Probe Measurements. Astrophysical Journal, 2020, 893, 93.	1.6	44
49	Chorus whistler wave source scales as determined from multipoint Van Allen Probe measurements. Geophysical Research Letters, 2017, 44, 2634-2642.	1.5	43
50	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.	3.0	43
51	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probeâ€™s First Orbit. Astrophysical Journal Letters, 2020, 894, L19.	3.0	39
52	Extreme ionospheric ion energization and electron heating in AlfvÃ©n waves in the storm time inner magnetosphere. Geophysical Research Letters, 2015, 42, 10,531.	1.5	38
53	Study of EMIC wave excitation using direct ion measurements. Journal of Geophysical Research: Space Physics, 2015, 120, 2702-2719.	0.8	38
54	Driving ionospheric outflows and magnetospheric O⁺ energy density with AlfvÃ©n waves. Geophysical Research Letters, 2016, 43, 4825-4833.	1.5	37

#	Article	IF	Citations
55	Clustering of Intermittent Magnetic and Flow Structures near Parker Solar Probeâ€™s First Perihelionâ€”A Partial-variance-of-increments Analysis. Astrophysical Journal, Supplement Series, 2020, 246, 31.	3.0	37
56	The Radial Dependence of Proton-scale Magnetic Spectral Break in Slow Solar Wind during PSP Encounter 2. Astrophysical Journal, Supplement Series, 2020, 246, 55.	3.0	36
57	Statistics and Polarization of Type III Radio Bursts Observed in the Inner Heliosphere. Astrophysical Journal, Supplement Series, 2020, 246, 49.	3.0	35
58	Detection of small magnetic flux ropes from the third and fourth Parker Solar Probe encounters. Astronomy and Astrophysics, 2021, 650, A12.	2.1	35
59	Electromagnetic ion cyclotron waves at proton cyclotron harmonics. Journal of Geophysical Research, 2002, 107, SMP 8-1.	3.3	34
60	Multipoint observation of fast mode waves trapped in the dayside plasmasphere. Journal of Geophysical Research, 2010, 115, .	3.3	34
61	Electrostatic Turbulence and Debye-scale Structures in Collisionless Shocks. Astrophysical Journal Letters, 2020, 889, L9.	3.0	34
62	Coronal Electron Temperature Inferred from the Strahl Electrons in the Inner Heliosphere: Parker Solar Probe and Helios Observations. Astrophysical Journal, 2020, 892, 88.	1.6	34
63	THEMIS observations of a secondary magnetic island within the Hall electromagnetic field region at the magnetopause. Geophysical Research Letters, 2010, 37, .	1.5	33
64	Using the cold plasma dispersion relation and whistler mode waves to quantify the antenna sheath impedance of the Van Allen Probes EFW instrument. Journal of Geophysical Research: Space Physics, 2016, 121, 4590-4606.	0.8	33
65	Lunar precursor effects in the solar wind and terrestrial magnetosphere. Journal of Geophysical Research, 2012, 117, .	3.3	31
66	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.	0.8	31
67	A Merged Searchâ€Coil and Fluxgate Magnetometer Data Product for Parker Solar Probe FIELDS. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027813.	0.8	31
68	Plasma Waves near the Electron Cyclotron Frequency in the Near-Sun Solar Wind. Astrophysical Journal, Supplement Series, 2020, 246, 21.	3.0	30
69	THEMIS measurements of quasiâ€static electric fields in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 9939-9951.	0.8	29
70	Proton core behaviour inside magnetic field switchbacks. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5524-5531.	1.6	29
71	Constraining Ion-Scale Heating and Spectral Energy Transfer in Observations of Plasma Turbulence. Physical Review Letters, 2020, 125, 025102.	2.9	29
72	Source and Propagation of a Streamer Blowout Coronal Mass Ejection Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 69.	3.0	29

#	Article	IF	Citations
73	AlfvÃ©nic versus non-AlfvÃ©nic turbulence in the inner heliosphere as observed by Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A21.	2.1	29
74	Heating of the plasma sheet by broadband electromagnetic waves. Geophysical Research Letters, 2014, 41, 8185-8192.	1.5	28
75	Sub-AlfvÃ©nic Solar Wind Observed by the Parker Solar Probe: Characterization of Turbulence, Anisotropy, Intermittency, and Switchback. Astrophysical Journal Letters, 2022, 926, L1.	3.0	28
76	EMIC wave spatial and coherence scales as determined from multipoint Van Allen Probe measurements. Geophysical Research Letters, 2016, 43, 4799-4807.	1.5	27
77	Electrostatic Steepening of Whistler Waves. Physical Review Letters, 2018, 120, 195101.	2.9	27
78	First remote measurements of lunar surface charging from ARTEMIS: Evidence for nonmonotonic sheath potentials above the dayside surface. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	26
79	Examining Dust Directionality with the Parker Solar Probe FIELDS Instrument. Astrophysical Journal, Supplement Series, 2020, 246, 51.	3.0	26
80	Measurement of the open magnetic flux in the inner heliosphere down to 0.13 AU. Astronomy and Astrophysics, 2021, 650, A18.	2.1	26
81	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 61.	3.0	25
82	An improved sheath impedance model for the Van Allen Probes EFW instrument: Effects of the spin axis antenna. Journal of Geophysical Research: Space Physics, 2017, 122, 4420-4429.	0.8	24
83	DC and Lowâ€Frequency Electric Field Measurements on the Parker Solar Probe. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027980.	0.8	24
84	Dispersive AlfvÃ©n Wave Control of O⁺ Ion Outflow and Energy Densities in the Inner Magnetosphere. Geophysical Research Letters, 2019, 46, 8597-8606.	1.5	23
85	The Enhancement of Proton Stochastic Heating in the Near-Sun Solar Wind. Astrophysical Journal, Supplement Series, 2020, 246, 30.	3.0	23
86	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. Astronomy and Astrophysics, 2021, 650, A13.	2.1	23
87	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. , 2013, , 183-220.		23
88	The Electromagnetic Signature of Outward Propagating Ion-scale Waves. Astrophysical Journal, 2020, 899, 74.	1.6	23
89	In Situ Observations of Interplanetary Dust Variability in the Inner Heliosphere. Astrophysical Journal, 2020, 892, 115.	1.6	22
90	Small-scale Magnetic Flux Ropes in the First Two Parker Solar Probe Encounters. Astrophysical Journal, 2020, 903, 76.	1.6	22

#	Article	IF	Citations
91	Structure, force balance, and evolution of incompressible cross-tail current sheet thinning. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	21
92	Pitch Angle Scattering and Loss of Radiation Belt Electrons in Broadband Electromagnetic Waves. Geophysical Research Letters, 2018, 45, 9344-9352.	1.5	21
93	On quasi-parallel whistler waves in the solar wind. Physics of Plasmas, 2020, 27, .	0.7	21
94	Nonlinear Ion-acoustic Waves, Ion Holes, and Electron Holes in the Near-Sun Solar Wind. Astrophysical Journal, 2021, 911, 89.	1.6	21
95	Impact of Residual Energy on Solar Wind Turbulent Spectra. Astrophysical Journal, 2018, 865, 45.	1.6	19
96	Eastward Propagating Second Harmonic Poloidal Waves Triggered by Temporary Outward Gradient of Proton Phase Space Density: Van Allen Probe A Observation. Journal of Geophysical Research: Space Physics, 2019, 124, 9904-9923.	0.8	19
97	On the Origin of Switchbacks Observed in the Solar Wind. Astrophysical Journal, 2021, 919, 60.	1.6	19
98	Large-amplitude, Wideband, Doppler-shifted, Ion Acoustic Waves Observed on the Parker Solar Probe. Astrophysical Journal, 2020, 901, 107.	1.6	19
99	Radial transport of radiation belt electrons in kinetic fieldâ€line resonances. Geophysical Research Letters, 2017, 44, 8140-8148.	1.5	18
100	Correlations Between Dispersive AlfvÃ©n Wave Activity, Electron Energization, and Ion Outflow in the Inner Magnetosphere. Geophysical Research Letters, 2020, 47, e2020GL088985.	1.5	18
101	MHD Mode Composition in the Inner Heliosphere from the Parker Solar Probeâ€™s First Perihelion. Astrophysical Journal, Supplement Series, 2020, 246, 71.	3.0	17
102	Coordinated THEMIS spacecraft and allâ€sky imager observations of interplanetary shock effects on plasma sheet flow bursts, poleward boundary intensifications, and streamers. Journal of Geophysical Research: Space Physics, 2013, 118, 3346-3356.	0.8	16
103	Tail reconnection region versus auroral activity inferred from conjugate ARTEMIS plasma sheet flow and auroral observations. Journal of Geophysical Research: Space Physics, 2013, 118, 5758-5766.	0.8	16
104	Plasma Double Layers at the Boundary Between Venus and the Solar Wind. Geophysical Research Letters, 2020, 47, e2020GL090115.	1.5	16
105	Lifetimes of Relativistic Electrons as Determined From Plasmaspheric Hiss Scattering Rates Statistics: Effects of Ï‰_{pe}/Î©_{ce} and Wave Frequency Dependence on Geomagnetic Activity. Geophysical Research Letters, 2020, 47, e2020GL088052.	1.5	16
106	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREOâ€A. Geophysical Research Letters, 2021, 48, e2020GL091376.	1.5	16
107	Strong Perpendicular Velocity-space Diffusion in Proton Beams Observed by Parker Solar Probe. Astrophysical Journal, 2022, 924, 112.	1.6	16
108	Improving the AlfvÃ©n Wave Solar Atmosphere Model Based on Parker Solar Probe Data. Astrophysical Journal, 2022, 925, 146.	1.6	16

#	Article	IF	Citations
109	A comparison of THEMIS Pi2 observations near the dawn and dusk sectors in the inner magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	14
110	The â€œAlfvÃ©nic surgeâ€•at substorm onset/expansion and the formation of â€œInverted Vsâ€• Cluster and IMAGE observations. Journal of Geophysical Research: Space Physics, 2016, 121, 3978-4004.	0.8	14
111	Radiation Belt â€œDropoutsâ€•and Driftâ€Bounce Resonances in Broadband Electromagnetic Waves. Geophysical Research Letters, 2018, 45, 2128-2137.	1.5	14
112	Predicting the Solar Wind at the Parker Solar Probe Using an Empirically Driven MHD Model. Astrophysical Journal, Supplement Series, 2020, 246, 40.	3.0	14
113	Identifying the magnetotail source region leading to preonset poleward boundary intensifications. Journal of Geophysical Research: Space Physics, 2013, 118, 4335-4340.	0.8	13
114	ULF wave electromagnetic energy flux into the ionosphere: Joule heating implications. Journal of Geophysical Research: Space Physics, 2015, 120, 494-510.	0.8	12
115	A Tenuous Lunar Ionosphere in the Geomagnetic Tail. Geophysical Research Letters, 2018, 45, 9450-9459.	1.5	12
116	Electron Bernstein waves and narrowband plasma waves near the electron cyclotron frequency in the near-Sun solar wind. Astronomy and Astrophysics, 2021, 650, A97.	2.1	12
117	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. Astronomy and Astrophysics, 2021, 650, L4.	2.1	12
118	Solar wind energy flux observations in the inner heliosphere: first results from Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A14.	2.1	12
119	An Electron Density Model of the Dâ€•and Eâ€Region Ionosphere for Transionospheric VLF Propagation. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029288.	0.8	12
120	Experimental Investigation of Total Photoemission Yield from New Satellite Surface Materials. Journal of Spacecraft and Rockets, 2019, 56, 248-258.	1.3	11
121	Kineticâ€Scale Turbulence in the Venusian Magnetosheath. Geophysical Research Letters, 2021, 48, e2020GL090783.	1.5	11
122	Survey of the ULF wave Poynting vector near the Earth's magnetic equatorial plane. Journal of Geophysical Research: Space Physics, 2013, 118, 6212-6227.	0.8	10
123	Time Domain Structures and Dust in the Solar Vicinity: Parker Solar Probe Observations. Astrophysical Journal, Supplement Series, 2020, 246, 50.	3.0	10
124	Kinetic-scale Spectral Features of Cross Helicity and Residual Energy in the Inner Heliosphere. Astrophysical Journal, Supplement Series, 2020, 246, 52.	3.0	10
125	Quantifying the Sheath Impedance of the Electric Double Probe Instrument on the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	10
126	Chorus and Hiss Scales in the Inner Magnetosphere: Statistics From Highâ€Resolution Filter Bank (FBK) Van Allen Proves Multiâ€Point Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028998.	0.8	9

#	Article	IF	Citations
127	The Statistical Characteristics of Smallâ€Scale Ionospheric Irregularities Observed in the Martian Ionosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 5874-5893.	0.8	8
128	Filamentary Currents and AlfvÃ©nic Vortices in the Inner Magnetosphere. Geophysical Research Letters, 2020, 47, e2019GL086318.	1.5	8
129	Magnetic increases with central current sheets: observations with Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A11.	2.1	8
130	MAVEN Observations of Low Frequency Steepened Magnetosonic Waves and Associated Heating of the Martian Nightside Ionosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029615.	0.8	8
131	Interferometric Study of Ionospheric Plasma Irregularities in Regions of Phase Scintillations and HF Backscatter. Geophysical Research Letters, 2022, 49, .	1.5	8
132	First Detection of Kilometerâ€Scale Density Irregularities in the Martian Ionosphere. Geophysical Research Letters, 2020, 47, e2020GL090906.	1.5	7
133	Multiâ€Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Nonâ€Stormâ€Time Substorms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029081.	0.8	7
134	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive Allâ€Sky Camera and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029078.	0.8	7
135	Electrostatic Waves and Electron Heating Observed Over Lunar Crustal Magnetic Anomalies. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028880.	0.8	6
136	Whistlers in the Solar Vicinity That Are Spiky in Time and Frequency. Astrophysical Journal, 2021, 908, 26.	1.6	5
137	The Encounter of the Parker Solar Probe and a Comet-like Object Near the Sun: Model Predictions and Measurements. Astrophysical Journal, 2021, 910, 7.	1.6	4
138	Langmuir-Slow Extraordinary Mode Magnetic Signature Observations with Parker Solar Probe. Astrophysical Journal, 2022, 927, 95.	1.6	4
139	Parker Solar Probe FIELDS Instrument Charging in the Near Sun Environment: Part 1: Computational Model. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028688.	0.8	3
140	Modulated Upperâ€Hybrid Waves Coincident With Lowerâ€Hybrid Waves in the Cusp. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029590.	0.8	3
141	Neutral Oxygen Effects at Low Earth Altitudes: A Critical Uncertainty for Spacecraft Operations and Space Weather Effects. Space Weather, 2015, 13, 396-397.	1.3	2
142	Nightside Pi2 Wave Properties During an Extended Period With Stable Plasmapause Location and Variable Geomagnetic Activity. Journal of Geophysical Research: Space Physics, 2017, 122, 12,120.	0.8	2
143	Parker Solar Probe FIELDS Instrument Charging in the Near Sun Environment: Part 2: Comparison of Inâ€Flight Data and Modeling Results. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028689.	0.8	2
144	Maximizing the Accuracy of Double Probe Electric Field Measurements Near Perigee: The Case of the Van Allen Probes Instruments. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2

#	Article	IF	Citations
145	Calculation of the Atomic Oxygen Fluence on the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027944.	0.8	1
146	Analysis of the Anomalous Response of Double Probe Electric Field Sensors on the Van Allen Probes EFW Instrument. , 2021, , .		0
147	Grotifer: A new electric field instrument design to address the need for highly accurate three-component electric field measurements. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	0