List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. Space Science Reviews, 2013, 179, 127-181.	3.7	932
2	The FIELDS Instrument Suite for Solar Probe Plus. Space Science Reviews, 2016, 204, 49-82.	3.7	521
3	Highly structured slow solar wind emerging from an equatorial coronal hole. Nature, 2019, 576, 237-242.	13.7	401
4	S/WAVES: The Radio and Plasma Wave Investigation onÂtheÂSTEREO Mission. Space Science Reviews, 2008, 136, 487-528.	3.7	313
5	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. Nature, 2019, 576, 228-231.	13.7	311
6	The Evolution and Role of Solar Wind Turbulence in the Inner Heliosphere. Astrophysical Journal, Supplement Series, 2020, 246, 53.	3.0	166
7	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
8	Simultaneous Chandra X ray, Hubble Space Telescope ultraviolet, and Ulysses radio observations of Jupiter's aurora. Journal of Geophysical Research, 2005, 110, .	3.3	149
9	Excitation of poloidal standing Alfvén waves through drift resonance waveâ€particle interaction. Geophysical Research Letters, 2013, 40, 4127-4132.	1.5	134
10	Van Allen Probes observation of localized drift resonance between poloidal mode ultraâ€low frequency waves and 60 keV electrons. Geophysical Research Letters, 2013, 40, 4491-4497.	1.5	127
11	Sharp Alfvénic Impulses in the Near-Sun Solar Wind. Astrophysical Journal, Supplement Series, 2020, 246, 45.	3.0	115
12	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
13	Probing the energetic particle environment near the Sun. Nature, 2019, 576, 223-227.	13.7	103
14	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
15	Electrons in the Young Solar Wind: First Results from the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 22.	3.0	99
16	Magnetic Field Kinks and Folds in the Solar Wind. Astrophysical Journal, Supplement Series, 2020, 246, 32.	3.0	86
17	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
18	Switchbacks as signatures of magnetic flux ropes generated by interchange reconnection in the corona. Astronomy and Astrophysics, 2021, 650, A2.	2.1	80

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19	Solar flare nuclear gamma-rays and interplanetary proton events. Astrophysical Journal, 1989, 343, 953.	1.6	71
20	Ion-scale Electromagnetic Waves in the Inner Heliosphere. Astrophysical Journal, Supplement Series, 2020, 246, 66.	3.0	67
21	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
22	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.	3.0	66
23	Effects of Scattering on Radio Emission from the Quiet Sun at Low Frequencies. Astrophysical Journal, 2008, 676, 1338-1345.	1.6	65
24	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. Astrophysical Journal, Supplement Series, 2020, 246, 34.	3.0	65
25	Parker Solar Probe Observations of Proton Beams Simultaneous with Ion-scale Waves. Astrophysical Journal, Supplement Series, 2020, 248, 5.	3.0	62
26	Cross Helicity Reversals in Magnetic Switchbacks. Astrophysical Journal, Supplement Series, 2020, 246, 67.	3.0	61
27	EVIDENCE FOR THE OSCILLATING TWO STREAM INSTABILITY AND SPATIAL COLLAPSE OF LANGMUIR WAVES IN A SOLAR TYPE III RADIO BURST. Astrophysical Journal Letters, 2012, 747, L1.	3.0	58
28	Identification of Magnetic Flux Ropes from Parker Solar Probe Observations during the First Encounter. Astrophysical Journal, Supplement Series, 2020, 246, 26.	3.0	57
29	Proton Temperature Anisotropy Variations in Inner Heliosphere Estimated with the First <i>Parker Solar Probe</i> Observations. Astrophysical Journal, Supplement Series, 2020, 246, 70.	3.0	56
30	Enhanced Energy Transfer Rate in Solar Wind Turbulence Observed near the Sun from <i>Parker Solar Probe</i> . Astrophysical Journal, Supplement Series, 2020, 246, 48.	3.0	56
31	Anticorrelation between the Bulk Speed and the Electron Temperature in the Pristine Solar Wind: First Results from the <i>Parker Solar Probe</i> and Comparison with <i>Helios</i> . Astrophysical Journal, Supplement Series, 2020, 246, 62.	3.0	55
32	Evidence for Strong and Weak Turbulence Processes in the Source Region of a Local Type III Radio Burst. Astrophysical Journal, 1998, 498, 465-478.	1.6	52
33	Relating Streamer Flows to Density and Magnetic Structures at the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 37.	3.0	52
34	Measures of Scale-dependent Alfvénicity in the First <i>PSP</i> Solar Encounter. Astrophysical Journal, Supplement Series, 2020, 246, 58.	3.0	51
35	The Heliospheric Current Sheet in the Inner Heliosphere Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 47.	3.0	50
36	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.	3.0	49

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37	Formation of the oxygen torus in the inner magnetosphere: Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2015, 120, 1182-1196.	0.8	46
38	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.	3.0	46
39	Exploring Solar Wind Origins and Connecting Plasma Flows from the <i>Parker Solar Probe</i> to 1 au: Nonspherical Source Surface and Alfvénic Fluctuations. Astrophysical Journal, Supplement Series, 2020, 246, 54.	3.0	46
40	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
41	Monte Carlo Simulation of Directivity of Interplanetary Radio Bursts. Astrophysical Journal, 2007, 671, 894-906.	1.6	44
42	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
43	Ulysses observations of whistler waves at interplanetary shocks and in the solar wind. Journal of Geophysical Research, 1996, 101, 27555-27564.	3.3	40
44	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit. Astrophysical Journal Letters, 2020, 894, L19.	3.0	39
45	Magnetic Field Dropouts at Near-Sun Switchback Boundaries: A Superposed Epoch Analysis. Astrophysical Journal, Supplement Series, 2020, 249, 28.	3.0	39
46	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.	3.0	37
47	Switchbacks: statistical properties and deviations from Alfvénicity. Astronomy and Astrophysics, 2021, 650, A3.	2.1	37
48	The Radial Dependence of Proton-scale Magnetic Spectral Break in Slow Solar Wind during <i>PSP</i> Encounter 2. Astrophysical Journal, Supplement Series, 2020, 246, 55.	3.0	36
49	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at â^1⁄40.25 au. Astrophysical Journal, Supplement Series, 2020, 246, 29.	3.0	35
50	Statistics and Polarization of Type III Radio Bursts Observed in the Inner Heliosphere. Astrophysical Journal, Supplement Series, 2020, 246, 49.	3.0	35
51	Detection of small magnetic flux ropes from the third and fourth Parker Solar Probe encounters. Astronomy and Astrophysics, 2021, 650, A12.	2.1	35
52	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.	3.0	34
53	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
54	Very low frequency waves in the heliosphere: Ulysses observations. Journal of Geophysical Research, 1998, 103, 12023-12035.	3.3	32

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55	Long-duration hectometric type III radio bursts and their association with solar energetic particle (SEP) events. Geophysical Research Letters, 2003, 30, .	1.5	32
56	Electron heat flux in the near-Sun environment. Astronomy and Astrophysics, 2021, 650, A15.	2.1	32
57	A Merged Search oil and Fluxgate Magnetometer Data Product for Parker Solar Probe FIELDS. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027813.	0.8	31
58	Energetic Particle Increases Associated with Stream Interaction Regions. Astrophysical Journal, Supplement Series, 2020, 246, 20.	3.0	31
59	Evidence for Langmuir envelope solitons in solar type III burst source regions. Journal of Geophysical Research, 1999, 104, 28279-28293.	3.3	30
60	Interplanetary Type II Radio Bursts from Wind/WAVES and Sustained Gamma-Ray Emission from Fermi/LAT: Evidence for Shock Source. Astrophysical Journal Letters, 2018, 868, L19.	3.0	30
61	Plasma Waves near the Electron Cyclotron Frequency in the Near-Sun Solar Wind. Astrophysical Journal, Supplement Series, 2020, 246, 21.	3.0	30
62	Characteristics of shock-associated fast-drift kilometric radio bursts. Solar Physics, 1987, 111, 397-418.	1.0	29
63	Constraining Ion-Scale Heating and Spectral Energy Transfer in Observations of Plasma Turbulence. Physical Review Letters, 2020, 125, 025102.	2.9	29
64	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.	3.0	29
65	Alfvénic versus non-Alfvénic turbulence in the inner heliosphere as observed by Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A21.	2.1	29
66	Van Allen Probes observations of magnetic field dipolarization and its associated O ⁺ flux variations in the inner magnetosphere at <i>L</i> < 6.6. Journal of Geophysical Research: Space Physics, 2016, 121, 7572-7589.	0.8	28
67	Sub-Alfvénic Solar Wind Observed by the Parker Solar Probe: Characterization of Turbulence, Anisotropy, Intermittency, and Switchback. Astrophysical Journal Letters, 2022, 926, L1.	3.0	28
68	In situ detection of strong Langmuir turbulence processes in solar type III radio bursts. Journal of Geophysical Research, 2012, 117, .	3.3	27
69	³ He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. Astrophysical Journal, Supplement Series, 2020, 246, 42.	3.0	27
70	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 35.	3.0	27
71	Direct evidence for magnetic reconnection at the boundaries of magnetic switchbacks with Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A5.	2.1	27
72	Evidence for electrostatic decay in the solar wind at 5.2 AU. Journal of Geophysical Research, 2003, 108, .	3.3	26

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73	Examining Dust Directionality with the Parker Solar Probe FIELDS Instrument. Astrophysical Journal, Supplement Series, 2020, 246, 51.	3.0	26
74	Observations of Heating along Intermittent Structures in the Inner Heliosphere from PSP Data. Astrophysical Journal, Supplement Series, 2020, 246, 46.	3.0	26
75	Measurement of the open magnetic flux in the inner heliosphere down to 0.13 AU. Astronomy and Astrophysics, 2021, 650, A18.	2.1	26
76	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
77	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.	3.0	25
78	The Enhancement of Proton Stochastic Heating in the Near-Sun Solar Wind. Astrophysical Journal, Supplement Series, 2020, 246, 30.	3.0	23
79	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. Astronomy and Astrophysics, 2021, 650, A13.	2.1	23
80	Van Allen Probes Observations of Driftâ€Bounce Resonance and Energy Transfer Between Energetic Ring Current Protons and Poloidal Pc4 Wave. Journal of Geophysical Research: Space Physics, 2018, 123, 3421-3435.	0.8	22
81	In Situ Observations of Interplanetary Dust Variability in the Inner Heliosphere. Astrophysical Journal, 2020, 892, 115.	1.6	22
82	Small-scale Magnetic Flux Ropes in the First Two Parker Solar Probe Encounters. Astrophysical Journal, 2020, 903, 76.	1.6	22
83	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.	3.0	21
84	EMISSION PATTERNS OF SOLAR TYPE III RADIO BURSTS: STEREOSCOPIC OBSERVATIONS. Astrophysical Journal, 2012, 745, 187.	1.6	20
85	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
86	Effects of interplanetary shocks on kilometric type III radio bursts. Geophysical Research Letters, 1989, 16, 923-926.	1.5	18
87	Longitudinal Structure of Oxygen Torus in the Inner Magnetosphere: Simultaneous Observations by Arase and Van Allen Probe A. Geophysical Research Letters, 2018, 45, 10,177.	1.5	18
88	Evidence of Subprotonâ€Scale Magnetic Holes in the Venusian Magnetosheath. Geophysical Research Letters, 2021, 48, e2020GL090329.	1.5	18
89	Langmuir Waves in the Vicinity of interplanetary Shocks and the Consequences for Type II Burst Models. Astrophysical Journal, 2000, 544, L163-L167.	1.6	18
90	Observational evidence for the collapsing Langmuir wave packet in a solar type III radio burst. Journal of Geophysical Research: Space Physics, 2013, 118, 4039-4052.	0.8	17

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91	Evidence for four- and three-wave interactions in solar type III radio emissions. Annales Geophysicae, 2013, 31, 1417-1428.	0.6	17
92	MHD Mode Composition in the Inner Heliosphere from the <i>Parker Solar Probe</i> 's First Perihelion. Astrophysical Journal, Supplement Series, 2020, 246, 71.	3.0	17
93	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. Earth, Planets and Space, 2020, 72, 111.	0.9	17
94	Phase coupling in Langmuir wave packets: Evidence of four wave interactions in solar type III radio bursts. Geophysical Research Letters, 2012, 39, .	1.5	16
95	Plasma Double Layers at the Boundary Between Venus and the Solar Wind. Geophysical Research Letters, 2020, 47, e2020GL090115.	1.5	16
96	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
97	Improving the Alfvén Wave Solar Atmosphere Model Based on Parker Solar Probe Data. Astrophysical Journal, 2022, 925, 146.	1.6	16
98	Characterizing the radio quiet region behind the lunar farside for low radio frequency experiments. Advances in Space Research, 2020, 66, 1265-1275.	1.2	15
99	PSP/IS⊙IS observations of the 29 November 2020 solar energetic particle event. Astronomy and Astrophysics, 2021, 656, A29.	2.1	15
100	Parker Solar Probe Observations of Solar Wind Energetic Proton Beams Produced by Magnetic Reconnection in the Near‧un Heliospheric Current Sheet. Geophysical Research Letters, 2022, 49, .	1.5	15
101	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
102	The Sunward Electron Deficit: A Telltale Sign of the Sun's Electric Potential. Astrophysical Journal, 2021, 916, 16.	1.6	14
103	Dust Directionality and an Anomalous Interplanetary Dust Population Detected by the Parker Solar Probe. Planetary Science Journal, 2021, 2, 186.	1.5	14
104	Ambipolar Electric Field and Potential in the Solar Wind Estimated from Electron Velocity Distribution Functions. Astrophysical Journal, 2021, 921, 83.	1.6	14
105	High frequency ion sound waves associated with Langmuir waves in type III radio burst source regions. Nonlinear Processes in Geophysics, 2004, 11, 411-420.	0.6	13
106	Parker Solar Probe observations of He/H abundance variations in SEP events inside 0.5 au. Astronomy and Astrophysics, 2021, 650, A23.	2.1	13
107	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
108	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. Astronomy and Astrophysics, 2021, 650, L4.	2.1	12

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109	Solar wind energy flux observations in the inner heliosphere: first results from Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A14.	2.1	12
110	Observational Evidence for Langmuir Wave Collapse in the Source Region of a Solar Type III Radio Burst. Astrophysical Journal, 2018, 862, 75.	1.6	11
111	Langmuir Solitons in Solar Type III Radio Bursts: STEREO Observations. Astrophysical Journal, 2018, 864, 122.	1.6	11
112	Low Radio Frequency Observations from the Moon Enabled by NASA Landed Payload Missions. Planetary Science Journal, 2021, 2, 44.	1.5	11
113	The contribution of alpha particles to the solar wind angular momentum flux in the inner heliosphere. Astronomy and Astrophysics, 2021, 650, A17.	2.1	11
114	Kinetic cale Turbulence in the Venusian Magnetosheath. Geophysical Research Letters, 2021, 48, e2020GL090783.	1.5	11
115	Flux Rope Merging and the Structure of Switchbacks in the Solar Wind. Astrophysical Journal, 2022, 925, 213.	1.6	11
116	Kinetic-scale Spectral Features of Cross Helicity and Residual Energy in the Inner Heliosphere. Astrophysical Journal, Supplement Series, 2020, 246, 52.	3.0	10
117	Small Electron Events Observed by Parker Solar Probe/IS⊙IS during Encounter 2. Astrophysical Journal, 2020, 902, 20.	1.6	9
118	First Results From the SCM Searchâ€Coil Magnetometer on Parker Solar Probe. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	9
119	Magnetic increases with central current sheets: observations with Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A11.	2.1	8
120	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
121	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive All‣ky Camera and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029078.	0.8	7
122	Detection of collapsing Langmuir wave packets in solar type III radio bursts. AIP Conference Proceedings, 2013, , .	0.3	6
123	Evidence for Oscillating Two-stream Instability and Spatial Collapse of Langmuir Waves in a Solar Type Il Radio Burst. Astrophysical Journal, 2019, 883, 199.	1.6	6
124	Characteristics of a Langmuir Soliton Observed in a Solar Type III Burst. Journal of Physics: Conference Series, 2019, 1332, 012016.	0.3	4
125	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
126	Wave-wave interactions in solar type III radio bursts. AIP Conference Proceedings, 2014, , .	0.3	3

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127	Detection of Extreme and Exceptional Langmuir Wave Packets in Solar Type III Radio Bursts. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027714.	0.8	3
128	Measuring the Earth's Synchrotron Emission From Radiation Belts With a Lunar Near Side Radio Array. Radio Science, 2020, 55, e2019RS006891.	0.8	3
129	Switchback Boundary Dissipation and Relative Age. Astrophysical Journal, 2021, 915, 68.	1.6	3
130	Near-Sun Switchback Boundaries: Dissipation with Solar Distance. Astrophysical Journal, 2021, 916, 84.	1.6	3
131	Fieldâ€Aligned Electron Density Distribution of the Inner Magnetosphere Inferred From Coordinated Observations of Arase and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029073.	0.8	3
132	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.	1.6	3
133	Flux Enhancements of Fieldâ€Aligned Lowâ€Energy O ⁺ Ion (FALEO) in the Inner Magnetosphere: A Possible Source of Warm Plasma Cloak and Oxygen Torus. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
134	Observational Evidence for Beat Phenomenon in Complex Solar Type III Radio Bursts. Astrophysical Journal, 2021, 912, 61.	1.6	1
135	Observational Evidence for the Parametric Decay in a Solar Type III Radio Burst. Journal of Physics: Conference Series, 2020, 1620, 012023.	0.3	0
136	Terminator Double Layer Explorer (TerDLE): Examining the Near-Moon Lunar Wake. Planetary Science Journal, 2021, 2, 61.	1.5	0