

Robert J Macdowall

List of Publications by Year in descending order

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136
papers

7,089
citations

71102

41
h-index

62596

80
g-index

137
all docs

137
docs citations

137
times ranked

2771
citing authors

#	ARTICLE	IF	CITATIONS
1	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. <i>Space Science Reviews</i> , 2013, 179, 127-181.	8.1	932
2	The FIELDS Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	8.1	521
3	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	27.8	401
4	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 487-528.	8.1	313
5	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. <i>Nature</i> , 2019, 576, 228-231.	27.8	311
6	The Evolution and Role of Solar Wind Turbulence in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 53.	7.7	166
7	Switchbacks in the Near-Sun Magnetic Field: Long Memory and Impact on the Turbulence Cascade. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 39.	7.7	152
8	Simultaneous Chandra X ray, Hubble Space Telescope ultraviolet, and Ulysses radio observations of Jupiter's aurora. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	149
9	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , 2013, 40, 4127-4132.	4.0	134
10	Van Allen Probes observation of localized drift resonance between poloidal mode ultra-low frequency waves and 60 keV electrons. <i>Geophysical Research Letters</i> , 2013, 40, 4491-4497.	4.0	127
11	Sharp Alfvénic Impulses in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 45.	7.7	115
12	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.	7.7	106
13	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019, 576, 223-227.	27.8	103
14	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.	7.7	100
15	Electrons in the Young Solar Wind: First Results from the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 22.	7.7	99
16	Magnetic Field Kinks and Folds in the Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 32.	7.7	86
17	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.	7.7	83
18	Switchbacks as signatures of magnetic flux ropes generated by interchange reconnection in the corona. <i>Astronomy and Astrophysics</i> , 2021, 650, A2.	5.1	80

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19	Solar flare nuclear gamma-rays and interplanetary proton events. <i>Astrophysical Journal</i> , 1989, 343, 953.	4.5	71
20	Ion-scale Electromagnetic Waves in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 66.	7.7	67
21	Storm time occurrence and spatial distribution of Pc4 poloidal ULF waves in the inner magnetosphere: A Van Allen Probes statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4748-4762.	2.4	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. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 24.	7.7	66
23	Effects of Scattering on Radio Emission from the Quiet Sun at Low Frequencies. <i>Astrophysical Journal</i> , 2008, 676, 1338-1345.	4.5	65
24	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 34.	7.7	65
25	Parker Solar Probe Observations of Proton Beams Simultaneous with Ion-scale Waves. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 5.	7.7	62
26	Cross Helicity Reversals in Magnetic Switchbacks. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 67.	7.7	61
27	EVIDENCE FOR THE OSCILLATING TWO STREAM INSTABILITY AND SPATIAL COLLAPSE OF LANGMUIR WAVES IN A SOLAR TYPE III RADIO BURST. <i>Astrophysical Journal Letters</i> , 2012, 747, L1.	8.3	58
28	Identification of Magnetic Flux Ropes from Parker Solar Probe Observations during the First Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 26.	7.7	57
29	Proton Temperature Anisotropy Variations in Inner Heliosphere Estimated with the First Parker Solar Probe Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 70.	7.7	56
30	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.	7.7	56
31	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.	7.7	55
32	Evidence for Strong and Weak Turbulence Processes in the Source Region of a Local Type III Radio Burst. <i>Astrophysical Journal</i> , 1998, 498, 465-478.	4.5	52
33	Relating Streamer Flows to Density and Magnetic Structures at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 37.	7.7	52
34	Measures of Scale-dependent Alfvénicity in the First PSP Solar Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 58.	7.7	51
35	The Heliospheric Current Sheet in the Inner Heliosphere Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 47.	7.7	50
36	Evolution of Solar Wind Turbulence from 0.1 to 1 au during the First Parker Solar Probe Solar Orbiter Radial Alignment. <i>Astrophysical Journal Letters</i> , 2021, 912, L21.	8.3	49

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37	Formation of the oxygen torus in the inner magnetosphere: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1182-1196.	2.4	46
38	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at 35.7 R_{\odot} Radii. <i>Astrophysical Journal Letters</i> , 2020, 891, L20.	8.3	46
39	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.	7.7	46
40	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.	7.7	45
41	Monte Carlo Simulation of Directivity of Interplanetary Radio Bursts. <i>Astrophysical Journal</i> , 2007, 671, 894-906.	4.5	44
42	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.	7.7	43
43	Ulysses observations of whistler waves at interplanetary shocks and in the solar wind. <i>Journal of Geophysical Research</i> , 1996, 101, 27555-27564.	3.3	40
44	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit. <i>Astrophysical Journal Letters</i> , 2020, 894, L19.	8.3	39
45	Magnetic Field Dropouts at Near-Sun Switchback Boundaries: A Superposed Epoch Analysis. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 28.	7.7	39
46	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.	7.7	37
47	Switchbacks: statistical properties and deviations from Alfvénicity. <i>Astronomy and Astrophysics</i> , 2021, 650, A3.	5.1	37
48	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.	7.7	36
49	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at ~ 0.25 au. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 29.	7.7	35
50	Statistics and Polarization of Type III Radio Bursts Observed in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 49.	7.7	35
51	Detection of small magnetic flux ropes from the third and fourth Parker Solar Probe encounters. <i>Astronomy and Astrophysics</i> , 2021, 650, A12.	5.1	35
52	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.	7.7	34
53	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.	4.5	34
54	Very low frequency waves in the heliosphere: Ulysses observations. <i>Journal of Geophysical Research</i> , 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. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	32
56	Electron heat flux in the near-Sun environment. <i>Astronomy and Astrophysics</i> , 2021, 650, A15.	5.1	32
57	A Merged Searchâ€Coil and Fluxgate Magnetometer Data Product for Parker Solar Probe FIELDS. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027813.	2.4	31
58	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 20.	7.7	31
59	Evidence for Langmuir envelope solitons in solar type III burst source regions. <i>Journal of Geophysical Research</i> , 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. <i>Astrophysical Journal Letters</i> , 2018, 868, L19.	8.3	30
61	Plasma Waves near the Electron Cyclotron Frequency in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 21.	7.7	30
62	Characteristics of shock-associated fast-drift kilometric radio bursts. <i>Solar Physics</i> , 1987, 111, 397-418.	2.5	29
63	Constraining Ion-Scale Heating and Spectral Energy Transfer in Observations of Plasma Turbulence. <i>Physical Review Letters</i> , 2020, 125, 025102.	7.8	29
64	Properties of Suprathermal-through-energetic He Ions Associated with Stream Interaction Regions Observed over the Parker Solar Probeâ€™s First Two Orbits. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 56.	7.7	29
65	AlfvÃ©nic versus non-AlfvÃ©nic turbulence in the inner heliosphere as observed by Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A21.	5.1	29
66	Van Allen Probes observations of magnetic field dipolarization and its associated O ⁺ flux variations in the inner magnetosphere at $L \approx 6.6$. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7572-7589.	2.4	28
67	Sub-AlfvÃ©nic Solar Wind Observed by the Parker Solar Probe: Characterization of Turbulence, Anisotropy, Intermittency, and Switchback. <i>Astrophysical Journal Letters</i> , 2022, 926, L1.	8.3	28
68	In situ detection of strong Langmuir turbulence processes in solar type III radio bursts. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	27
69	³ He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 42.	7.7	27
70	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 35.	7.7	27
71	Direct evidence for magnetic reconnection at the boundaries of magnetic switchbacks with Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A5.	5.1	27
72	Evidence for electrostatic decay in the solar wind at 5.2 AU. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	26

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73	Examining Dust Directionality with the Parker Solar Probe FIELDS Instrument. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 51.	7.7	26
74	Observations of Heating along Intermittent Structures in the Inner Heliosphere from PSP Data. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 46.	7.7	26
75	Measurement of the open magnetic flux in the inner heliosphere down to 0.13 AU. <i>Astronomy and Astrophysics</i> , 2021, 650, A18.	5.1	26
76	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 61.	7.7	25
77	Exploring the Solar Wind from Its Source on the Corona into the Inner Heliosphere during the First Solar Orbiter's Parker Solar Probe Quadrature. <i>Astrophysical Journal Letters</i> , 2021, 920, L14.	8.3	25
78	The Enhancement of Proton Stochastic Heating in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 30.	7.7	23
79	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. <i>Astronomy and Astrophysics</i> , 2021, 650, A13.	5.1	23
80	Van Allen Probes Observations of Drift-Bounce Resonance and Energy Transfer Between Energetic Ring Current Protons and Poloidal Pc4 Wave. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3421-3435.	2.4	22
81	In Situ Observations of Interplanetary Dust Variability in the Inner Heliosphere. <i>Astrophysical Journal</i> , 2020, 892, 115.	4.5	22
82	Small-scale Magnetic Flux Ropes in the First Two Parker Solar Probe Encounters. <i>Astrophysical Journal</i> , 2020, 903, 76.	4.5	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. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 59.	7.7	21
84	EMISSION PATTERNS OF SOLAR TYPE III RADIO BURSTS: STEREOSCOPIC OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 745, 187.	4.5	20
85	Eastward Propagating Second Harmonic Poloidal Waves Triggered by Temporary Outward Gradient of Proton Phase Space Density: Van Allen Probe A Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9904-9923.	2.4	19
86	Effects of interplanetary shocks on kilometric type III radio bursts. <i>Geophysical Research Letters</i> , 1989, 16, 923-926.	4.0	18
87	Longitudinal Structure of Oxygen Torus in the Inner Magnetosphere: Simultaneous Observations by Arase and Van Allen Probe A. <i>Geophysical Research Letters</i> , 2018, 45, 10,177.	4.0	18
88	Evidence of Subproton-Scale Magnetic Holes in the Venusian Magnetosheath. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090329.	4.0	18
89	Langmuir Waves in the Vicinity of interplanetary Shocks and the Consequences for Type II Burst Models. <i>Astrophysical Journal</i> , 2000, 544, L163-L167.	4.5	18
90	Observational evidence for the collapsing Langmuir wave packet in a solar type III radio burst. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4039-4052.	2.4	17

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91	Evidence for four- and three-wave interactions in solar type III radio emissions. <i>Annales Geophysicae</i> , 2013, 31, 1417-1428.	1.6	17
92	MHD Mode Composition in the Inner Heliosphere from the Parker Solar Probe's First Perihelion. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 71.	7.7	17
93	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. <i>Earth, Planets and Space</i> , 2020, 72, 111.	2.5	17
94	Phase coupling in Langmuir wave packets: Evidence of four wave interactions in solar type III radio bursts. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	16
95	Plasma Double Layers at the Boundary Between Venus and the Solar Wind. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090115.	4.0	16
96	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO-A. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091376.	4.0	16
97	Improving the Alfvén Wave Solar Atmosphere Model Based on Parker Solar Probe Data. <i>Astrophysical Journal</i> , 2022, 925, 146.	4.5	16
98	Characterizing the radio quiet region behind the lunar farside for low radio frequency experiments. <i>Advances in Space Research</i> , 2020, 66, 1265-1275.	2.6	15
99	PSP/ISÅ™IS observations of the 29 November 2020 solar energetic particle event. <i>Astronomy and Astrophysics</i> , 2021, 656, A29.	5.1	15
100	Parker Solar Probe Observations of Solar Wind Energetic Proton Beams Produced by Magnetic Reconnection in the Near-Sun Heliospheric Current Sheet. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	15
101	Predicting the Solar Wind at the Parker Solar Probe Using an Empirically Driven MHD Model. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 40.	7.7	14
102	The Sunward Electron Deficit: A Telltale Sign of the Sun's Electric Potential. <i>Astrophysical Journal</i> , 2021, 916, 16.	4.5	14
103	Dust Directionality and an Anomalous Interplanetary Dust Population Detected by the Parker Solar Probe. <i>Planetary Science Journal</i> , 2021, 2, 186.	3.6	14
104	Ambipolar Electric Field and Potential in the Solar Wind Estimated from Electron Velocity Distribution Functions. <i>Astrophysical Journal</i> , 2021, 921, 83.	4.5	14
105	High frequency ion sound waves associated with Langmuir waves in type III radio burst source regions. <i>Nonlinear Processes in Geophysics</i> , 2004, 11, 411-420.	1.3	13
106	Parker Solar Probe observations of He/H abundance variations in SEP events inside 0.5 au. <i>Astronomy and Astrophysics</i> , 2021, 650, A23.	5.1	13
107	Electron Bernstein waves and narrowband plasma waves near the electron cyclotron frequency in the near-Sun solar wind. <i>Astronomy and Astrophysics</i> , 2021, 650, A97.	5.1	12
108	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. <i>Astronomy and Astrophysics</i> , 2021, 650, L4.	5.1	12

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109	Solar wind energy flux observations in the inner heliosphere: first results from Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A14.	5.1	12
110	Observational Evidence for Langmuir Wave Collapse in the Source Region of a Solar Type III Radio Burst. <i>Astrophysical Journal</i> , 2018, 862, 75.	4.5	11
111	Langmuir Solitons in Solar Type III Radio Bursts: STEREO Observations. <i>Astrophysical Journal</i> , 2018, 864, 122.	4.5	11
112	Low Radio Frequency Observations from the Moon Enabled by NASA Landed Payload Missions. <i>Planetary Science Journal</i> , 2021, 2, 44.	3.6	11
113	The contribution of alpha particles to the solar wind angular momentum flux in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2021, 650, A17.	5.1	11
114	Kinetic-scale Turbulence in the Venusian Magnetosheath. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090783.	4.0	11
115	Flux Rope Merging and the Structure of Switchbacks in the Solar Wind. <i>Astrophysical Journal</i> , 2022, 925, 213.	4.5	11
116	Kinetic-scale Spectral Features of Cross Helicity and Residual Energy in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 52.	7.7	10
117	Small Electron Events Observed by Parker Solar Probe/IS TM IS during Encounter 2. <i>Astrophysical Journal</i> , 2020, 902, 20.	4.5	9
118	First Results From the SCM Search ^{Coil} Magnetometer on Parker Solar Probe. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	9
119	Magnetic increases with central current sheets: observations with Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A11.	5.1	8
120	Multi ^{Event} Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Non ^{Storm} Time Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029081.	2.4	7
121	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive All ^{Sky} Camera and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029078.	2.4	7
122	Detection of collapsing Langmuir wave packets in solar type III radio bursts. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	6
123	Evidence for Oscillating Two-stream Instability and Spatial Collapse of Langmuir Waves in a Solar Type II Radio Burst. <i>Astrophysical Journal</i> , 2019, 883, 199.	4.5	6
124	Characteristics of a Langmuir Soliton Observed in a Solar Type III Burst. <i>Journal of Physics: Conference Series</i> , 2019, 1332, 012016.	0.4	4
125	The Encounter of the Parker Solar Probe and a Comet-like Object Near the Sun: Model Predictions and Measurements. <i>Astrophysical Journal</i> , 2021, 910, 7.	4.5	4
126	Wave-wave interactions in solar type III radio bursts. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	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.	2.4	3
128	Measuring the Earth's Synchrotron Emission From Radiation Belts With a Lunar Near Side Radio Array. Radio Science, 2020, 55, e2019RS006891.	1.6	3
129	Switchback Boundary Dissipation and Relative Age. Astrophysical Journal, 2021, 915, 68.	4.5	3
130	Near-Sun Switchback Boundaries: Dissipation with Solar Distance. Astrophysical Journal, 2021, 916, 84.	4.5	3
131	Field-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.	2.4	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.	4.5	3
133	Flux Enhancements of Field-Aligned Low-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, .	2.4	2
134	Observational Evidence for Beat Phenomenon in Complex Solar Type III Radio Bursts. Astrophysical Journal, 2021, 912, 61.	4.5	1
135	Observational Evidence for the Parametric Decay in a Solar Type III Radio Burst. Journal of Physics: Conference Series, 2020, 1620, 012023.	0.4	0
136	Terminator Double Layer Explorer (TerDLE): Examining the Near-Moon Lunar Wake. Planetary Science Journal, 2021, 2, 61.	3.6	0