

# David J Mccomas

## List of Publications by Year in descending order

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745  
papers

37,935  
citations

3116

95  
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7836

155  
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755  
all docs

755  
docs citations

755  
times ranked

7929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous Cosmic-Ray Oxygen Observations into 0.1 au. <i>Astrophysical Journal</i> , 2022, 925, 9.	1.6	12
2	Average Ring Current Response to Solar Wind Drivers: Statistical Analysis of 61 Days of ENA Images. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
3	PSP/IS <sup>TM</sup> IS Observation of a Solar Energetic Particle Event Associated with a Streamer Blowout Coronal Mass Ejection during Encounter 6. <i>Astrophysical Journal</i> , 2022, 925, 212.	1.6	3
4	Sub-Alfvénic Solar Wind Observed by the Parker Solar Probe: Characterization of Turbulence, Anisotropy, Intermittency, and Switchback. <i>Astrophysical Journal Letters</i> , 2022, 926, L1.	3.0	28
5	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 48.	3.0	9
6	Determining the Near-Instantaneous Curvature of Earth's Bow Shock Using Simultaneous IBEX and MMS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
7	Suprathermal Ion Energy Spectra and Anisotropies near the Heliospheric Current Sheet Crossing Observed by the Parker Solar Probe during Encounter 7. <i>Astrophysical Journal</i> , 2022, 927, 62.	1.6	3
8	Interstellar Neutral He Parameters from Crossing Parameter Tubes with the Interstellar Mapping and Acceleration Probe Informed by 10 yr of Interstellar Boundary Explorer Observations. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 7.	3.0	12
9	IBEX Ribbon Separation Using Spherical Harmonic Decomposition of the Globally Distributed Flux. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 6.	3.0	11
10	Very Local Interstellar Medium Revealed by a Complete Solar Cycle of Interstellar Neutral Helium Observations with IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 42.	3.0	25
11	Closed Fluxtubes and Dispersive Proton Conics at Jupiter's Polar Cap. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7
12	Water-Group Pickup Ions From Europa-Genic Neutrals Orbiting Jupiter. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	16
13	In Situ Observations of Interstellar Pickup Ions from 1 au to the Outer Heliosphere. <i>Space Science Reviews</i> , 2022, 218, 28.	3.7	14
14	Taylor Microscale and Effective Reynolds Number near the Sun from PSP. <i>Astrophysical Journal</i> , 2022, 933, 33.	1.6	5
15	First Measurements of Jovian Electrons by Parker Solar Probe/IS <sup>TM</sup> IS within 0.5 au of the Sun. <i>Astrophysical Journal</i> , 2022, 933, 171.	1.6	2
16	Proton Outflow Associated With Jupiter's Auroral Processes. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	13
17	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.	1.5	16
18	Heliosheath Proton Distribution in the Plasma Reference Frame. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 26.	3.0	18

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19	Switchbacks Explained: Super-Parker Fieldsâ€™The Other Side of the Sub-Parker Spiral. <i>Astrophysical Journal</i> , 2021, 909, 95.	1.6	62
20	Slowdown and Heating of Interstellar Neutral Helium by Elastic Collisions beyond the Heliopause. <i>Astrophysical Journal Letters</i> , 2021, 911, L36.	3.0	21
21	Interstellar Pickup Ion Observations Halfway to the Termination Shock. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 19.	3.0	33
22	First Observations of Anomalous Cosmic Rays in to 36 Solar Radii. <i>Astrophysical Journal</i> , 2021, 912, 139.	1.6	10
23	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. <i>Astronomy and Astrophysics</i> , 2021, 650, L4.	2.1	12
24	Solar energetic particle heavy ion properties in the widespread event of 2020 November 29. <i>Astronomy and Astrophysics</i> , 2021, 656, L12.	2.1	13
25	Thin silicon solid-state detectors for energetic particle measurements. <i>Astronomy and Astrophysics</i> , 2021, 650, A27.	2.1	3
26	Parker Solar Probe observations of He/H abundance variations in SEP events inside 0.5 au. <i>Astronomy and Astrophysics</i> , 2021, 650, A23.	2.1	13
27	A living catalog of stream interaction regions in the Parker Solar Probe era. <i>Astronomy and Astrophysics</i> , 2021, 650, A25.	2.1	17
28	Magnetic field line random walk and solar energetic particle path lengths. <i>Astronomy and Astrophysics</i> , 2021, 650, A26.	2.1	20
29	Between Local Interstellar Magnetic and Dynamic Pressure Balance of Heliospheric Boundaries Measured with the IBEX Ribbonâ€™A New Paradigm. <i>Astrophysical Journal</i> , 2021, 914, 129.	1.6	4
30	A new view of energetic particles from stream interaction regions observed by Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A24.	2.1	15
31	A Three-dimensional Map of the Heliosphere from IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 40.	3.0	29
32	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2021, 650, L5.	2.1	14
33	Energetic Neutral Atom Fluxes from the Heliosheath: Constraints from in situ Measurements and Models. <i>Astrophysical Journal Letters</i> , 2021, 915, L26.	3.0	9
34	Probing the Magnetosheath Boundaries Using Interstellar Boundary Explorer (IBEX) Orbital Encounters. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029278.	0.8	4
35	Survey of Juno Observations in Jupiter's Plasma Disk: Density. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029446.	0.8	15
36	PSP/ISÅ™MIS observations of the 29 November 2020 solar energetic particle event. <i>Astronomy and Astrophysics</i> , 2021, 656, A29.	2.1	15

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37	Turbulent Acceleration of Interstellar Pickup Ions at the Heliospheric Termination Shock Forms the Global ENA Spectrum. <i>Astrophysical Journal Letters</i> , 2021, 916, L21.	3.0	15
38	Observation of Kolmogorov Turbulence in the Jovian Magnetosheath From JADE Data. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095006.	1.5	5
39	Collisional Evolution of the Inner Zodiacal Cloud. <i>Planetary Science Journal</i> , 2021, 2, 185.	1.5	18
40	Electron Partial Density and Temperature Over Jupiter's Main Auroral Emission Using Juno Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029426.	0.8	11
41	Energetic Electron Observations by Parker Solar Probe/IS <sup>TM</sup> IS during the First Widespread SEP Event of Solar Cycle 25 on 2020 November 29. <i>Astrophysical Journal</i> , 2021, 919, 119.	1.6	17
42	Energetic Particles Associated with a Coronal Mass Ejection Shock Interacting with a Convected Magnetic Structure. <i>Astrophysical Journal</i> , 2021, 921, 102.	1.6	10
43	Comparative Analysis of the 2020 November 29 Solar Energetic Particle Event Observed by Parker Solar Probe. <i>Astrophysical Journal</i> , 2021, 920, 123.	1.6	12
44	Black-body radiation in space plasmas. <i>Europhysics Letters</i> , 2021, 135, 49001.	0.7	4
45	Simultaneous UV Images and High-Latitude Particle and Field Measurements During an Auroral Dawn Storm at Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029679.	0.8	3
46	Breathing of the Heliosphere. <i>Astrophysical Journal</i> , 2021, 922, 250.	1.6	7
47	Geometry of Magnetic Fluctuations near the Sun from the Parker Solar Probe. <i>Astrophysical Journal</i> , 2021, 923, 193.	1.6	21
48	Thermodynamic Definitions of Temperature and Kappa and Introduction of the Entropy Defect. <i>Entropy</i> , 2021, 23, 1683.	1.1	15
49	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for O <sup>+</sup> and S <sup>2+</sup> . <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2018JA026169.	0.8	31
50	Proton Acceleration by Io's Alfvénic Interaction. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027314.	0.8	18
51	Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories. <i>Astronomy and Astrophysics</i> , 2020, 642, A4.	2.1	35
52	A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089267.	1.5	25
53	Sun's Heliosphere Observation-based Ionization Rates Model. <i>Astrophysical Journal</i> , 2020, 897, 179.	1.6	40
54	First Global Images of Ion Energization in the Terrestrial Foreshock by the Interstellar Boundary Explorer. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088188.	1.5	4

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55	Neutral Atom Imaging of the Solar Windâ€™Magnetosphereâ€™Exosphere Interaction Near the Subsolar Magnetopause. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089362.	1.5	14
56	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089732.	1.5	17
57	Asymmetric Structure of the Solar Wind and Heliosphere from IBEX Observations. <i>Astrophysical Journal</i> , 2020, 894, 13.	1.6	10
58	Galactic Cosmic-ray Anisotropies: Electrons Observed by Voyager 1 in the Very Local Interstellar Medium. <i>Astrophysical Journal</i> , 2020, 895, 103.	1.6	7
59	Solar Cycle of Imaging the Global Heliosphere: Interstellar Boundary Explorer (IBEX) Observations from 2009â€™2019. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 26.	3.0	58
60	Response of Pickup Ions in the Very Local Interstellar Medium to Solar Variations: Implications for the Evolution of the IBEX Ribbon and Interstellar Helium. <i>Astrophysical Journal</i> , 2020, 891, 56.	1.6	10
61	Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027693.	0.8	37
62	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.	3.0	25
63	AlfvÃ©nic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086527.	1.5	25
64	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.	3.0	34
65	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by <i>Parker Solar Probe</i>. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 65.	3.0	23
66	Turbulence in the Local Interstellar Medium and the IBEX Ribbon. <i>Astrophysical Journal</i> , 2020, 888, 29.	1.6	20
67	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.	3.0	43
68	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	6.0	64
69	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	6.0	76
70	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at $\hat{\sim}1/40.25$ au. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 29.	3.0	35
71	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the ISÅ™IS Instrument Suite. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 41.	3.0	17
72	<sup>3</sup>He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 42.	3.0	27

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73	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.	3.0	21
74	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 20.	3.0	31
75	The Near-Sun Dust Environment: Initial Observations from Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 27.	3.0	47
76	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 33.	3.0	21
77	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 35.	3.0	27
78	Properties of Suprathermal-through-energetic He Ions Associated with Stream Interaction Regions Observed over the Parker Solar Probe's First Two Orbits. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 56.	3.0	29
79	Survey of Ion Properties in Jupiter's Plasma Sheet: Juno JADE's Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027696.	0.8	36
80	Global ENA Imaging and In Situ Observations of Substorm Dipolarization on 10 August 2016. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027733.	0.8	2
81	Juno In Situ Observations Above the Jovian Equatorial Ionosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087623.	1.5	5
82	Energetic Proton Acceleration Associated With Io's Footprint Tail. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090839.	1.5	16
83	Distance to the Energetic Neutral Hydrogen Source from the Heliotail. <i>Astrophysical Journal</i> , 2020, 897, 138.	1.6	8
84	Small Electron Events Observed by Parker Solar Probe/IS <sup>TM</sup> IS during Encounter 2. <i>Astrophysical Journal</i> , 2020, 902, 20.	1.6	9
85	Density of Neutral Hydrogen in the Sun's Interstellar Neighborhood. <i>Astrophysical Journal</i> , 2020, 903, 48.	1.6	56
86	A Persistent Depletion of Plasma Ions Within Jupiter's Auroral Polar Caps. <i>Geophysical Research Letters</i> , 2020, 47, .	1.5	1
87	Jovian High-Latitude Ionospheric Ions: Juno In Situ Observations. <i>Geophysical Research Letters</i> , 2019, 46, 8663-8670.	1.5	16
88	Parallax of the IBEX Ribbon Indicates a Spatially Retained Source. <i>Astrophysical Journal</i> , 2019, 879, 106.	1.6	9
89	The Characterization of Secondary Interstellar Neutral Oxygen beyond the Heliopause: A Detailed Analysis of the IBEX-Lo Oxygen Observations. <i>Astrophysical Journal</i> , 2019, 880, 4.	1.6	9
90	Variability in the Position of the IBEX Ribbon over Nine Years: More Observational Evidence for a Secondary ENA Source. <i>Astrophysical Journal</i> , 2019, 879, 84.	1.6	28

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91	Termination Shock Measured by Voyagers and IBEX. <i>Astrophysical Journal</i> , 2019, 884, 145.	1.6	18
92	Inner Heliosheath Shocks and Their Effect on Energetic Neutral Atom Observations by IBEX. <i>Astrophysical Journal Letters</i> , 2019, 878, L24.	3.0	10
93	Heliosheath Properties Measured from a Voyager 2 to Voyager 1 Transient. <i>Astrophysical Journal</i> , 2019, 883, 101.	1.6	22
94	High-Resolution Measurements of the Cross-Shock Potential, Ion Reflection, and Electron Heating at an Interplanetary Shock by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3961-3978.	0.8	36
95	The Influence of Polar Coronal Holes on the Polar ENA Flux Observed by IBEX. <i>Astrophysical Journal</i> , 2019, 879, 1.	1.6	14
96	Strong Scattering of $\sim 1/4$ keV Pickup Ions in the Local Interstellar Magnetic Field Draped around Our Heliosphere: Implications for the IBEX Ribbon's Source and IMAP. <i>Astrophysical Journal</i> , 2019, 876, 92.	1.6	22
97	Initial results from the New Horizons exploration of 2014 MU <sub>69</sub> , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	6.0	113
98	Model-free Maps of Interstellar Neutral Hydrogen Measured with IBEX between 2009 and 2018. <i>Astrophysical Journal</i> , 2019, 871, 52.	1.6	25
99	Temporal Evolution of the Latitude and Energy Dependence of the Energetic Neutral Atom Spectral Indices Measured by the Interstellar Boundary Explorer (IBEX) Over the First Nine Years. <i>Astrophysical Journal</i> , 2019, 875, 91.	1.6	12
100	Constraining the IMF at Pluto Using New Horizons SWAP Data and Hybrid Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1568-1581.	0.8	2
101	He <sup>+</sup> Ions Comoving with the Solar Wind in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 875, 36.	1.6	12
102	Non-equilibrium Distributions of Interstellar Neutrals and the Temperature of the Local Interstellar Medium. <i>Astrophysical Journal</i> , 2019, 871, 254.	1.6	19
103	Galactic Cosmic-Ray Anisotropies: Voyager 1 in the Local Interstellar Medium. <i>Astrophysical Journal</i> , 2019, 873, 46.	1.6	16
104	Expanding Global Features in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 872, 127.	1.6	24
105	Angular Scattering in Charge Exchange: Issues and Implications for Secondary Interstellar Hydrogen. <i>Astrophysical Journal</i> , 2019, 887, 223.	1.6	11
106	The Interstellar Ribbon: A Unifying Explanation. <i>Astrophysical Journal</i> , 2019, 887, 247.	1.6	18
107	Terrestrial Energetic Neutral Atom Emissions and the Ground-Based Geomagnetic Indices: Implications From IBEX Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8761-8777.	0.8	5
108	Slowing of the Solar Wind in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 885, 156.	1.6	47

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109	Interstellar Neutral Helium in the Heliosphere from IBEX Observations. VI. The He <sup>+</sup> Density and the Ionization State in the Very Local Interstellar Matter. <i>Astrophysical Journal</i> , 2019, 882, 60.	1.6	35
110	Survey of Jupiter's Dawn Magnetosheath Using Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9106-9123.	0.8	16
111	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019, 576, 223-227.	13.7	103
112	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. <i>Nature</i> , 2019, 576, 228-231.	13.7	311
113	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	13.7	401
114	Structure of the IBEX Ribbon from Distributed Sources. <i>Journal of Physics: Conference Series</i> , 2019, 1332, 012013.	0.3	1
115	Comparing Electron Energetics and UV Brightness in Jupiter's Northern Polar Region During Juno PeriJove 5. <i>Geophysical Research Letters</i> , 2019, 46, 19-27.	1.5	18
116	Radiation Pressure from Interstellar Hydrogen Observed by IBEX through Solar Cycle 24. <i>Astrophysical Journal</i> , 2019, 887, 217.	1.6	18
117	Interstellar Neutral Helium in the Heliosphere from IBEX Observations. V. Observations in IBEX-Lo ESA Steps 1, 2, and 3. <i>Astrophysical Journal</i> , 2018, 854, 119.	1.6	34
118	Solar Wind Properties During Juno's Approach to Jupiter: Data Analysis and Resulting Plasma Properties Utilizing a 1D Forward Model. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2772-2786.	0.8	15
119	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. <i>Geophysical Research Letters</i> , 2018, 45, 1277-1285.	1.5	49
120	The Big Picture: Imaging of the Global Geospace Environment by the TWINS Mission. <i>Reviews of Geophysics</i> , 2018, 56, 251-277.	9.0	13
121	Composition of 128 keV Magnetospheric ENAs. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2668-2678.	0.8	8
122	Jupiter's Aurora Observed With HST During Juno Orbits 3 to 7. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3299-3319.	0.8	53
123	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. <i>Icarus</i> , 2018, 300, 174-199.	1.1	90
124	Dynamics of a geomagnetic storm on 10 September 2015 as observed by TWINS and simulated by CIMI. <i>Annales Geophysicae</i> , 2018, 36, 1439-1456.	0.6	4
125	Precipitating Electron Energy Flux and Characteristic Energies in Jupiter's Main Auroral Region as Measured by Juno/JEDI. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7554-7567.	0.8	42
126	The Local Interstellar Magnetic Field Observed by Voyager 1 and IBEX. <i>Journal of Physics: Conference Series</i> , 2018, 1100, 012021.	0.3	1



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127	A double-cusp type electrostatic analyzer for high-cadence solar-wind suprathermal ion observations. <i>Review of Scientific Instruments</i> , 2018, 89, 114503.	0.6	4
128	Time Dependence of the IBEX Ribbon and the Globally Distributed Energetic Neutral Atom Flux Using the First 9 Years of Observations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 1.	3.0	37
129	The Pickup Ion-mediated Solar Wind. <i>Astrophysical Journal</i> , 2018, 869, 23.	1.6	86
130	Constraining the Evolution of the Proton Distribution Function in the Heliotail. <i>Astrophysical Journal</i> , 2018, 865, 150.	1.6	12
131	Determining the Alpha to Proton Density Ratio for the New Horizons Solar Wind Observations. <i>Astrophysical Journal</i> , 2018, 866, 85.	1.6	10
132	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	129
133	In Situ Observations Connected to the Io Footprint Tail Aurora. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 3061-3077.	1.5	48
134	Simulation of the Solar Wind Dynamic Pressure Increase in 2014 and Its Effect on Energetic Neutral Atom Fluxes from the Heliosphere. <i>Astrophysical Journal</i> , 2018, 859, 104.	1.6	34
135	Stochastic Acceleration of $\sim 40$ - $5$ keV Pickup Ions in the Heliotail. <i>Astrophysical Journal</i> , 2018, 860, 170.	1.6	21
136	Empirical Characterization of Low-Altitude Ion Flux Derived from TWINS. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3672-3691.	0.8	1
137	Magnetosphere dynamics during the 14 November 2012 storm inferred from TWINS, AMPERE, Van Allen Probes, and BATS-R-US-CRCM. <i>Annales Geophysicae</i> , 2018, 36, 107-124.	0.6	8
138	Observation of Electron Conics by Juno: Implications for Radio Generation and Acceleration Processes. <i>Geophysical Research Letters</i> , 2018, 45, 9408-9416.	1.5	19
139	<i>In Situ</i> Observations of Preferential Pickup Ion Heating at an Interplanetary Shock. <i>Physical Review Letters</i> , 2018, 121, 075102.	2.9	32
140	Heliosphere Responds to a Large Solar Wind Intensification: Decisive Observations from IBEX. <i>Astrophysical Journal Letters</i> , 2018, 856, L10.	3.0	51
141	Jovian deep magnetotail composition and structure. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1763-1777.	0.8	13
142	Structure of the Heliotail from Interstellar Boundary Explorer Observations: Implications for the 11-year Solar Cycle and Pickup Ions in the Heliosheath. <i>Astrophysical Journal</i> , 2017, 836, 238.	1.6	59
143	Seven Years of Imaging the Global Heliosphere with IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 41.	3.0	79
144	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. <i>Science</i> , 2017, 356, 826-832.	6.0	109

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145	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. <i>Geophysical Research Letters</i> , 2017, 44, 5308-5316.	1.5	30
146	Plasma measurements in the Jovian polar region with Juno/JADE. <i>Geophysical Research Letters</i> , 2017, 44, 7122-7130.	1.5	35
147	Plasma environment at the dawn flank of Jupiter's magnetosphere: Juno arrives at Jupiter. <i>Geophysical Research Letters</i> , 2017, 44, 4432-4438.	1.5	24
148	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , 2017, 44, 8107-8112.	1.5	17
149	Generation of the Jovian hectometric radiation: First lessons from Juno. <i>Geophysical Research Letters</i> , 2017, 44, 4439-4446.	1.5	38
150	Juno observations of energetic charged particles over Jupiter's polar regions: Analysis of monodirectional and bidirectional electron beams. <i>Geophysical Research Letters</i> , 2017, 44, 4410-4418.	1.5	90
151	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. <i>Geophysical Research Letters</i> , 2017, 44, 4419-4425.	1.5	21
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