

# David J Mccomas

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

722  
papers

30,337  
citations

88  
h-index

137  
g-index

755  
ext. papers

33,837  
ext. citations

6.5  
avg, IF

6.89  
L-index

#	Paper	IF	Citations
722	Anomalous Cosmic-Ray Oxygen Observations into 0.1 au. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 9	4.7	5
721	PSP/IS?IS Observation of a Solar Energetic Particle Event Associated with a Streamer Blowout Coronal Mass Ejection during Encounter 6. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 212	4.7	0
720	Sub-Alfvénic Solar Wind Observed by the Parker Solar Probe: Characterization of Turbulence, Anisotropy, Intermittency, and Switchback. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 926, L1	7.9	1
719	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 259, 48	8	0
718	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> , <b>2022</b> , 927, 62	4.7	
717	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> , <b>2022</b> , 258, 7	8	1
716	IBEX Ribbon Separation Using Spherical Harmonic Decomposition of the Globally Distributed Flux. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 258, 6	8	1
715	Very Local Interstellar Medium Revealed by a Complete Solar Cycle of Interstellar Neutral Helium Observations with IBEX. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 259, 42	8	3
714	In Situ Observations of Interstellar Pickup Ions from 1 au to the Outer Heliosphere.. <i>Space Science Reviews</i> , <b>2022</b> , 218, 28	7.5	3
713	Geometry of Magnetic Fluctuations near the Sun from the Parker Solar Probe. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 193	4.7	6
712	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> , <b>2021</b> , 126, e2021JA029679	2.6	0
711	Breathing of the Heliosphere. <i>Astrophysical Journal</i> , <b>2021</b> , 922, 250	4.7	0
710	Energetic Particles Associated with a Coronal Mass Ejection Shock Interacting with a Convected Magnetic Structure. <i>Astrophysical Journal</i> , <b>2021</b> , 921, 102	4.7	2
709	Comparative Analysis of the 2020 November 29 Solar Energetic Particle Event Observed by Parker Solar Probe. <i>Astrophysical Journal</i> , <b>2021</b> , 920, 123	4.7	5
708	Black-body radiation in space plasmas. <i>Europhysics Letters</i> , <b>2021</b> , 135, 49001	1.6	1
707	Switchbacks Explained: Super-Parker Fields—the Other Side of the Sub-Parker Spiral. <i>Astrophysical Journal</i> , <b>2021</b> , 909, 95	4.7	18
706	Slowdown and Heating of Interstellar Neutral Helium by Elastic Collisions Beyond the Heliopause.. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 911,	7.9	8

705	Interstellar Pickup Ion Observations Halfway to the Termination Shock. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 254, 19	8	7
704	First Observations of Anomalous Cosmic Rays in to 36 Solar Radii. <i>Astrophysical Journal</i> , <b>2021</b> , 912, 139	4.7	6
703	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, L4	5.1	4
702	Thin silicon solid-state detectors for energetic particle measurements. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A27	5.1	1
701	Parker Solar Probe observations of He/H abundance variations in SEP events inside 0.5 au. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A23	5.1	6
700	A living catalog of stream interaction regions in the Parker Solar Probe era. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A25	5.1	5
699	Magnetic field line random walk and solar energetic particle path lengths. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A26	5.1	10
698	Between Local Interstellar Magnetic and Dynamic Pressure Balance of Heliospheric Boundaries Measured with the IBEX Ribbon: A New Paradigm. <i>Astrophysical Journal</i> , <b>2021</b> , 914, 129	4.7	2
697	A new view of energetic particles from stream interaction regions observed by Parker Solar Probe. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A24	5.1	5
696	A Three-dimensional Map of the Heliosphere from IBEX. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 254, 40	8	6
695	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, L5	5.1	7
694	Energetic Neutral Atom Fluxes from the Heliosheath: Constraints from in situ Measurements and Models. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 915, L26	7.9	3
693	Probing the Magnetosheath Boundaries Using Interstellar Boundary Explorer (IBEX) Orbital Encounters. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029278	2.6	1
692	Proton Outflow Associated With Jupiter's Auroral Processes. <i>Geophysical Research Letters</i> , <b>2021</b> , 48,	4.9	3
691	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO-A. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091376	4.9	6
690	Heliosheath Proton Distribution in the Plasma Reference Frame. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 252, 26	8	4
689	Survey of Juno Observations in Jupiter's Plasma Disk: Density. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029446	2.6	3
688	Turbulent Acceleration of Interstellar Pickup Ions at the Heliospheric Termination Shock Forms the Global ENA Spectrum. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 916, L21	7.9	3

687	Observation of Kolmogorov Turbulence in the Jovian Magnetosheath From JADE Data. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095006	4.9	0
686	Collisional Evolution of the Inner Zodiacal Cloud. <i>Planetary Science Journal</i> , <b>2021</b> , 2, 185	2.9	4
685	Electron Partial Density and Temperature Over Jupiter's Main Auroral Emission Using Juno Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029426	2.6	3
684	Energetic Electron Observations by Parker Solar Probe/IS <sup>2</sup> IS during the First Widespread SEP Event of Solar Cycle 25 on 2020 November 29. <i>Astrophysical Journal</i> , <b>2021</b> , 919, 119	4.7	5
683	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089732	4.9	5
682	Asymmetric Structure of the Solar Wind and Heliosphere from IBEX Observations. <i>Astrophysical Journal</i> , <b>2020</b> , 894, 13	4.7	6
681	Galactic Cosmic-ray Anisotropies: Electrons Observed by Voyager 1 in the Very Local Interstellar Medium. <i>Astrophysical Journal</i> , <b>2020</b> , 895, 103	4.7	2
680	Solar Cycle of Imaging the Global Heliosphere: Interstellar Boundary Explorer (IBEX) Observations from 2009–2019. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 248, 26	8	26
679	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> , <b>2020</b> , 891, 56	4.7	6
678	Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027693	2.6	25
677	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 61	8	12
676	Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086527	4.9	14
675	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> , <b>2020</b> , 246, 63	8	18
674	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 65	8	10
673	Turbulence in the Local Interstellar Medium and the Ribbon. <i>Astrophysical Journal</i> , <b>2020</b> , 888,	4.7	7
672	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> , <b>2020</b> , 246, 36	8	19
671	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , <b>2020</b> , 367,	33.3	35
670	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , <b>2020</b> , 367,	33.3	43

669	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at ~0.25 au. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 29	8	15
668	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the IS <sup>2</sup> IS Instrument Suite. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 41	8	10
667	<sup>3</sup> He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 42	8	14
666	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> , <b>2020</b> , 246, 59	8	12
665	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 20	8	14
664	The Near-Sun Dust Environment: Initial Observations from Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 27	8	28
663	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 33	8	10
662	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 35	8	14
661	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> , <b>2020</b> , 246, 56	8	16
660	Survey of Ion Properties in Jupiter's Plasma Sheet: Juno JADE-I Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027696	2.6	17
659	Global ENA Imaging and In Situ Observations of Substorm Dipolarization on 10 August 2016. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027733	2.6	1
658	Distance to the Energetic Neutral Hydrogen Source from the Heliotail. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 138	4.7	4
657	Small Electron Events Observed by Parker Solar Probe/IS <sup>2</sup> IS during Encounter 2. <i>Astrophysical Journal</i> , <b>2020</b> , 902, 20	4.7	4
656	Density of Neutral Hydrogen in the Sun's Interstellar Neighborhood. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 48	4.7	17
655	A Persistent Depletion of Plasma Ions Within Jupiter's Auroral Polar Caps. <i>Geophysical Research Letters</i> , <b>2020</b> , 47,	4.9	1
654	Juno In Situ Observations Above the Jovian Equatorial Ionosphere. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087623	4.9	5
653	Energetic Proton Acceleration Associated With Io's Footprint Tail. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090839	4.9	6
652	Proton Acceleration by Io's Alfvénic Interaction. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027314	2.6	8

651	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> , <b>2020</b> , 642, A4	5.1	18
650	A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089267	4.9	10
649	SunHeliosphere Observation-based Ionization Rates Model. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 179	4.7	19
648	First Global Images of Ion Energization in the Terrestrial Foreshock by the Interstellar Boundary Explorer. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088188	4.9	2
647	Neutral Atom Imaging of the Solar Wind-Magnetosphere-Exosphere Interaction Near the Subsolar Magnetopause. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089362	4.9	10
646	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for O+ and S2+. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2018JA026169	2.6	18
645	Inner Heliosheath Shocks and Their Effect on Energetic Neutral Atom Observations by IBEX. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 878, L24	7.9	6
644	Heliosheath Properties Measured from a Voyager 2 to Voyager 1 Transient. <i>Astrophysical Journal</i> , <b>2019</b> , 883, 101	4.7	14
643	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> , <b>2019</b> , 124, 3961-3978	2.6	28
642	The Influence of Polar Coronal Holes on the Polar ENA Flux Observed by IBEX. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 1	4.7	9
641	Strong Scattering of ~keV Pickup Ions in the Local Interstellar Magnetic Field Draped Around Our Heliosphere: Implications for the Ribbon's Source and. <i>Astrophysical Journal</i> , <b>2019</b> , 876,	4.7	11
640	Initial results from the New Horizons exploration of 2014 MU, a small Kuiper Belt object. <i>Science</i> , <b>2019</b> , 364,	33.3	80
639	Model-free Maps of Interstellar Neutral Hydrogen Measured with IBEX between 2009 and 2018. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 52	4.7	14
638	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> , <b>2019</b> , 875, 91	4.7	9
637	Constraining the IMF at Pluto Using New Horizons SWAP Data and Hybrid Simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1568-1581	2.6	2
636	He+ Ions Comoving with the Solar Wind in the Outer Heliosphere. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 36	4.7	7
635	Non-equilibrium Distributions of Interstellar Neutrals and the Temperature of the Local Interstellar Medium. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 254	4.7	10
634	Galactic Cosmic-Ray Anisotropies: Voyager 1 in the Local Interstellar Medium. <i>Astrophysical Journal</i> , <b>2019</b> , 873, 46	4.7	8

633	Expanding Global Features in the Outer Heliosphere. <i>Astrophysical Journal</i> , <b>2019</b> , 872, 127	4.7	16
632	Jovian High-Latitude Ionospheric Ions: Juno In Situ Observations. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 8663-8670	4.9	13
631	Parallax of the Ribbon Indicates a Spatially-Retained Source. <i>Astrophysical Journal</i> , <b>2019</b> , 879,	4.7	2
630	The Characterization of Secondary Interstellar Neutral Oxygen beyond the Heliopause: A Detailed Analysis of the IBEX-Lo Oxygen Observations. <i>Astrophysical Journal</i> , <b>2019</b> , 880, 4	4.7	5
629	Variability in the Position of the IBEX Ribbon over Nine Years: More Observational Evidence for a Secondary ENA Source. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 84	4.7	13
628	Termination Shock Measured by Voyagers and IBEX. <i>Astrophysical Journal</i> , <b>2019</b> , 884, 145	4.7	7
627	Radiation Pressure from Interstellar Hydrogen Observed by IBEX through Solar Cycle 24. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 217	4.7	9
626	Angular Scattering in Charge Exchange: Issues and Implications for Secondary Interstellar Hydrogen. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 223	4.7	5
625	The Interstellar Ribbon: A Unifying Explanation. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 247	4.7	8
624	Terrestrial Energetic Neutral Atom Emissions and the Ground-Based Geomagnetic Indices: Implications From IBEX Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8761-8777	2.6	2
623	Slowing of the Solar Wind in the Outer Heliosphere. <i>Astrophysical Journal</i> , <b>2019</b> , 885, 156	4.7	27
622	Interstellar Neutral Helium in the Heliosphere from IBEX Observations. VI. The He+ Density and the Ionization State in the Very Local Interstellar Matter. <i>Astrophysical Journal</i> , <b>2019</b> , 882, 60	4.7	15
621	Survey of Jupiter's Dawn Magnetosheath Using Juno. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 9106-9123	2.6	9
620	Probing the energetic particle environment near the Sun. <i>Nature</i> , <b>2019</b> , 576, 223-227	50.4	67
619	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. <i>Nature</i> , <b>2019</b> , 576, 228-231	50.4	172
618	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , <b>2019</b> , 576, 237-242	50.4	215
617	Structure of the IBEX Ribbon from Distributed Sources. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1332, 012013	0.3	1
616	Comparing Electron Energetics and UV Brightness in Jupiter's Northern Polar Region During Juno Perijove 5. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 19-27	4.9	14



615	Interstellar Neutral Helium in the Heliosphere from IBEX Observations. V. Observations in IBEX-Lo ESA Steps 1, 2, and 3. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 119	4.7	23
614	Solar Wind Properties During Juno's Approach to Jupiter: Data Analysis and Resulting Plasma Properties Utilizing a 1-D Forward Model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 2772-2786	2.6	11
613	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1277-1285	4.9	35
612	The Big Picture: Imaging of the Global Geospace Environment by the TWINS Mission. <i>Reviews of Geophysics</i> , <b>2018</b> , 56, 251-277	23.1	11
611	Composition of 1-28 keV Magnetospheric ENAs. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 2668-2678	2.6	6
610	Jupiter's Aurora Observed With HST During Juno Orbits 3 to 7. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3299-3319	2.6	29
609	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. <i>Icarus</i> , <b>2018</b> , 300, 174-199	3.8	73
608	Observation of Electron Conics by Juno: Implications for Radio Generation and Acceleration Processes. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 9408-9416	4.9	11
607	In-Situ Observations of Preferential Pickup Ion Heating at an Interplanetary Shock. <i>Physical Review Letters</i> , <b>2018</b> , 121, 075102	7.4	25
606	Heliosphere Responds to a Large Solar Wind Intensification: Decisive Observations from IBEX. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 856, L10	7.9	37
605	Dynamics of a geomagnetic storm on 7-10 September 2015 as observed by TWINS and simulated by CIMI. <i>Annales Geophysicae</i> , <b>2018</b> , 36, 1439-1456	2	3
604	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> , <b>2018</b> , 123, 7554-7567	2.6	33
603	The Local Interstellar Magnetic Field Observed by Voyager 1 and IBEX. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1100, 012021	0.3	0
602	A double-cusp type electrostatic analyzer for high-cadence solar-wind suprathermal ion observations. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 114503	1.7	1
601	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> , <b>2018</b> , 239, 1	8	25
600	The Pickup Ion-mediated Solar Wind. <i>Astrophysical Journal</i> , <b>2018</b> , 869, 23	4.7	58
599	Constraining the Evolution of the Proton Distribution Function in the Heliotail. <i>Astrophysical Journal</i> , <b>2018</b> , 865, 150	4.7	9
598	Determining the Alpha to Proton Density Ratio for the New Horizons Solar Wind Observations. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 85	4.7	9



597	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	59
596	In Situ Observations Connected to the Io Footprint Tail Aurora. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 3061-3077	4.1	27
595	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> , <b>2018</b> , 859, 104	4.7	22
594	Stochastic Acceleration of ~0.1B keV Pickup Ions in the Heliotail. <i>Astrophysical Journal</i> , <b>2018</b> , 860, 170	4.7	15
593	Empirical Characterization of Low-Altitude Ion Flux Derived from TWINS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3672-3691	2.6	1
592	Magnetosphere dynamics during the 14 November 2012 storm inferred from TWINS, AMPERE, Van Allen Probes, and BATS-R-US/RCM. <i>Annales Geophysicae</i> , <b>2018</b> , 36, 107-124	2	6
591	Jovian deep magnetotail composition and structure. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1763-1777	2.6	11
590	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> , <b>2017</b> , 836, 238	4.7	43
589	Seven Years of Imaging the Global Heliosphere with IBEX. <i>Astrophysical Journal, Supplement Series</i> , <b>2017</b> , 229, 41	8	57
588	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. <i>Science</i> , <b>2017</b> , 356, 826-832	33.3	93
587	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 5308-5316	4.9	20
586	Plasma measurements in the Jovian polar region with Juno/JADE. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7122-7130	4.9	30
585	Plasma environment at the dawn flank of Jupiter's magnetosphere: Juno arrives at Jupiter. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4432-4438	4.9	21
584	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 8107-8112	4.9	12
583	Generation of the Jovian hectometric radiation: First lessons from Juno. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4439-4446	4.9	24
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4 <sup>16</sup>	Variability of the solar wind suprathermal electron strahl. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		35
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4 <sup>06</sup>	LOCAL INTERSTELLAR NEUTRAL HYDROGEN SAMPLED IN SITU BY IBEX. <i>Astrophysical Journal, Supplement Series</i> , <b>2012</b> , 198, 14	8	49
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