

W S Kurth

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.

622
papers

22,058
citations

72
h-index

112
g-index

685
ext. papers

24,275
ext. citations

7.5
avg, IF

6.52
L-index

#	Paper	IF	Citations
622	Quantifying the Sheath Impedance of the Electric Double Probe Instrument on the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2022 , 127,	2.6	3
621	Shocks in the Very Local Interstellar Medium.. <i>Space Science Reviews</i> , 2022 , 218, 27	7.5	2
620	Observations of the Outer Heliosphere, Heliosheath, and Interstellar Medium. <i>Space Science Reviews</i> , 2022 , 218,	7.5	3
619	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	2.6	0
618	Analysis of Whistler-Mode and Z-Mode Emission in the Juno Primary Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029885	2.6	0
617	Quasilinear Model of Jovian Whistler Mode Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029930	2.6	
616	A Foreshock Model for Interstellar Shocks of Solar Origin: Voyager 1 and 2 Observations. <i>Astronomical Journal</i> , 2021 , 161, 11	4.9	8
615	Origin of the Weak Plasma Emission Line Detected by Voyager 1 in the Interstellar Medium: Evidence for Suprathermal Electrons. <i>Astrophysical Journal</i> , 2021 , 921, 62	4.7	1
614	Are Dawn Storms Jupiter's Auroral Substorms?. <i>AGU Advances</i> , 2021 , 2, e2020AV000275	5.4	8
613	Simultaneous Observation of an Auroral Dawn Storm With the Hubble Space Telescope and Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028717	2.6	2
612	Magnetic Field and Plasma Density Observations of a Pressure Front by Voyager 1 during 2020 in the Very Local Interstellar Medium. <i>Astrophysical Journal</i> , 2021 , 911, 61	4.7	8
611	Persistent plasma waves in interstellar space detected by Voyager 1.. <i>Nature Astronomy</i> , 2021 , 5, 761-765	52.1	5
610	Observations and Simulations of Dropout Events and Flux Decays in October 2013: Comparing MEO Equatorial With LEO Polar Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028850	2.6	6
609	Revealing the source of Jupiter's x-ray auroral flares. <i>Science Advances</i> , 2021 , 7,	14.3	7
608	Juno Observations of Ion-Inertial Scale Flux Ropes in the Jovian Magnetotail. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL089721	4.9	2
607	Low-Latitude Whistler-Mode and Higher-Latitude Z-Mode Emission at Jupiter Observed by Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028742	2.6	3
606	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028484	2.6	2

605	The High-Latitude Extension of Jupiter's Io Torus: Electron Densities Measured by Juno Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029195	2.6	4
604	Global Survey of Electron Precipitation due to Hiss Waves in the Earth's Plasmasphere and Plumes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029644	2.6	6
603	Inferring Jovian Electron Densities Using Plasma Wave Spectra Obtained by the Juno/Waves Instrument. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029263	2.6	3
602	Field-Aligned Electron Density Distribution of the Inner Magnetosphere Inferred From Coordinated Observations of Arase and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029073	2.6	0
601	Quantification of Diffuse Auroral Electron Precipitation Driven by Whistler Mode Waves at Jupiter. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095457	4.9	1
600	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	2.6	3
599	Juno Waves High Frequency Antenna Properties. <i>Radio Science</i> , 2021 , 56, e2020RS007184	1.4	0
598	Inter-Calibrated Measurements of Intense Whistlers by Arase and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029700	2.6	1
597	A Preliminary Study of Magnetosphere-Ionosphere-Thermosphere Coupling at Jupiter: Juno Multi-Instrument Measurements and Modeling Tools. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029469	2.6	2
596	Statistical Study on Spatial Distribution and Polarization of Saturn Narrowband Emissions. <i>Astrophysical Journal</i> , 2021 , 918, 64	4.7	2
595	The Faraday rotation effect in Saturn Kilometric Radiation observed by the CASSINI spacecraft. <i>Icarus</i> , 2021 , 370, 114661	3.8	
594	Energetic Electron Distributions Near the Magnetic Equator in the Jovian Plasma Sheet and Outer Radiation Belt Using Juno Observations. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	1
593	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089732	4.9	5
592	The Generation of Upward-Propagating Whistler Mode Waves by Electron Beams in the Jovian Polar Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027868	2.6	8
591	Energetic Particles and Acceleration Regions Over Jupiter's Polar Cap and Main Aurora: A Broad Overview. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027699	2.6	15
590	Global Distribution of Whistler Mode Waves in Jovian Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088198	4.9	9
589	Plasma Sheet Boundary Layer in Jupiter's Magnetodisk as Observed by Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027957	2.6	4
588	Fine Harmonic Structure of Equatorial Noise with a Quasiperiodic Modulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027509	2.6	2

587	Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027693	2.6	25
586	Magnetotail Reconnection at Jupiter: A Survey of Juno Magnetic Field Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027486	2.6	12
585	Conjugate Observations of Quasiperiodic Emissions by the Van Allen Probes Spacecraft and Ground-Based Station Kannuslehto. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027793	2.6	4
584	Juno Waves Detection of Dust Impacts Near Jupiter. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2019JE006367	4.1	4
583	Juno Reveals New Insights Into Io-Related Decameter Radio Emissions. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2020JE006415	4.1	1
582	Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086527	4.9	14
581	Determining Plasmaspheric Density From the Upper Hybrid Resonance and From the Spacecraft Potential: How Do They Compare?. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, no	2.6	6
580	Distribution in Saturn's Inner Magnetosphere From 2.4 to 10 RS: A Diffusive Equilibrium Model. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027545	2.6	5
579	Whistler Mode Quasiperiodic Emissions: Contrasting Van Allen Probes and DEMETER Occurrence Rates. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027918	2.6	3
578	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	2.9	6
577	Observations of a Radial Density Gradient in the Very Local Interstellar Medium by Voyager 2. <i>Astrophysical Journal Letters</i> , 2020 , 900, L1	7.9	6
576	How whistler mode hiss waves and the plasmasphere drive the quiet decay of radiation belts electrons following a geomagnetic storm. <i>Journal of Physics: Conference Series</i> , 2020 , 1623, 012005	0.3	2
575	Phase Decoherence Within Intense Chorus Wave Packets Constrains the Efficiency of Nonlinear Resonant Electron Acceleration. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089807	4.9	18
574	Global Survey of Plasma Sheet Electron Precipitation due to Whistler Mode Chorus Waves in Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088798	4.9	13
573	Periodic Narrowband Radio Wave Emissions and Inward Plasma Transport at Saturn's Magnetosphere. <i>Astronomical Journal</i> , 2020 , 159, 249	4.9	3
572	Ganymede-Induced Decametric Radio Emission: In Situ Observations and Measurements by Juno. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090021	4.9	1
571	Wave-Particle Interactions Associated With Io's Auroral Footprint: Evidence of Alfvén, Ion Cyclotron, and Whistler Modes. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088432	4.9	15
570	Rapid Frequency Variations Within Intense Chorus Wave Packets. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088853	4.9	15

569	High-Spatiotemporal Resolution Observations of Jupiter Lightning-Induced Radio Pulses Associated With Sferics and Thunderstorms. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088397	4.9	2
568	An Enhancement of Jupiter's Main Auroral Emission and Magnetospheric Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027904	2.6	6
567	Nondetection of Radio Emissions From Titan Lightning by Cassini RPWS. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2020JE006496	4.1	0
566	Quasiperiodic Saturn Auroral Hiss Observed During a Cassini Proximal Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027338	2.6	4
565	Understanding Cassini RPWS Antenna Signals Triggered by Dust Impacts. <i>Geophysical Research Letters</i> , 2019 , 46, 10941-10950	4.9	17
564	Temperature Dependence of Plasmaspheric Ion Composition. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6585-6595	2.6	10
563	The Role of Intense Upper Hybrid Resonance Emissions in the Generation of Saturn Narrowband Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5709-5718	2.6	4
562	Properties of Whistler Mode Waves in Earth's Plasmasphere and Plumes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1035-1051	2.6	26
561	Analysis of a long-lived, two-cell lightning storm on Saturn. <i>Astronomy and Astrophysics</i> , 2019 , 621, A1135.1		3
560	Epoch-Based Model for Stormtime Plasmopause Location. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4462-4491	2.6	6
559	Ion Heating by Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves in the Earth's Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2019 , 46, 6258-6267	4.9	24
558	Evidence for low density holes in Jupiter's ionosphere. <i>Nature Communications</i> , 2019 , 10, 2751	17.4	1
557	Solar Rotation Period Driven Modulations of Plasmaspheric Density and Convective Electric Field in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1726-1737	2.6	4
556	Quantification of Energetic Electron Precipitation Driven by Plume Whistler Mode Waves, Plasmaspheric Hiss, and Exohiss. <i>Geophysical Research Letters</i> , 2019 , 46, 3615-3624	4.9	20
555	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2466-2483	2.6	31
554	Probing Jovian Broadband Kilometric Radio Sources Tied to the Ultraviolet Main Auroral Oval With Juno. <i>Geophysical Research Letters</i> , 2019 , 46, 571-579	4.9	5
553	Saturn's Dusty Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1679-1697	2.6	19
552	Survey of Saturn Whistler Mode Hiss Intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4266-4277	2.6	5

551	A Persistent, Large-Scale, and Ordered Electrodynamic Connection Between Saturn and Its Main Rings. <i>Geophysical Research Letters</i> , 2019 , 46, 7166-7172	4.9	2
550	Nonlinear Electron Interaction With Intense Chorus Waves: Statistics of Occurrence Rates. <i>Geophysical Research Letters</i> , 2019 , 46, 7182-7190	4.9	29
549	Birkeland currents in Jupiter's magnetosphere observed by the polar-orbiting Juno spacecraft. <i>Nature Astronomy</i> , 2019 , 3, 904-909	12.1	23
548	Origin of two-band chorus in the radiation belt of Earth. <i>Nature Communications</i> , 2019 , 10, 4672	17.4	29
547	On the Relation Between Jovian Aurorae and the Loading/Unloading of the Magnetic Flux: Simultaneous Measurements From Juno, Hubble Space Telescope, and Hisaki. <i>Geophysical Research Letters</i> , 2019 , 46, 11632-11641	4.9	21
546	Plasma densities near and beyond the heliopause from the Voyager 1 and 2 plasma wave instruments. <i>Nature Astronomy</i> , 2019 , 3, 1024-1028	12.1	37
545	Solar Wind Interaction With Jupiter's Magnetosphere: A Statistical Study of Galileo In Situ Data and Modeled Upstream Solar Wind Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10170-10199	2.6	10
544	Lightning Contribution to Overall Whistler Mode Wave Intensities in the Plasmasphere. <i>Geophysical Research Letters</i> , 2019 , 46, 8607-8616	4.9	12
543	Jovian Auroral Radio Sources Detected In Situ by Juno/Waves: Comparisons With Model Auroral Ovals and Simultaneous HST FUV Images. <i>Geophysical Research Letters</i> , 2019 , 46, 11606-11614	4.9	8
542	Global Survey and Empirical Model of Fast Magnetosonic Waves Over Their Full Frequency Range in Earth's Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10270-10282	2.6	8
541	Survey of Jupiter's Dawn Magnetosheath Using Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9106-9123	2.6	9
540	Parallel Acceleration of Suprathermal Electrons Caused by Whistler-Mode Hiss Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 12675-12684	4.9	10
539	The Ion Composition of Saturn's Equatorial Ionosphere as Observed by Cassini. <i>Geophysical Research Letters</i> , 2019 , 46, 6315-6321	4.9	15
538	Electron Density Distributions in Saturn's Ionosphere. <i>Geophysical Research Letters</i> , 2019 , 46, 3061-3068	4.9	21
537	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	4.9	14
536	Observations and Fokker-Planck Simulations of the L-Shell, Energy, and Pitch Angle Structure of Earth's Electron Radiation Belts During Quiet Times. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1125-1142	2.6	21
535	Saturn's Ionosphere: Electron Density Altitude Profiles and D-Ring Interaction From The Cassini Grand Finale. <i>Geophysical Research Letters</i> , 2019 , 46, 9362-9369	4.9	13
534	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1938-1952	2.6	53

533	Pitch Angle Scattering of Upgoing Electron Beams in Jupiter's Polar Regions by Whistler Mode Waves. <i>Geophysical Research Letters</i> , 2018 , 45, 1246-1252	4.9	13
532	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> , 2018 , 123, 2772-2786	2.6	11
531	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. <i>Geophysical Research Letters</i> , 2018 , 45, 1277-1285	4.9	35
530	First Observation of Lion Roar Emission in Saturn's Magnetosheath. <i>Geophysical Research Letters</i> , 2018 , 45, 486-492	4.9	2
529	The Dusty Plasma Disk Around the Janus/Epimetheus Ring. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4668-4678	2.6	6
528	Low-Frequency Extensions of the Saturn Kilometric Radiation as a Proxy for Magnetospheric Dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 443-463	2.6	17
527	Analysis of Intense Z-Mode Emission Observed During the Cassini Proximal Orbits. <i>Geophysical Research Letters</i> , 2018 , 45, 6766-6772	4.9	6
526	Jupiter's Aurora Observed With HST During Juno Orbits 3 to 7. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3299-3319	2.6	29
525	Energetic electron measurements near Enceladus by Cassini during 2005-2015. <i>Icarus</i> , 2018 , 306, 256-274	3.8	4
524	Solar Energetic Particles (SEP) and Galactic Cosmic Rays (GCR) as tracers of solar wind conditions near Saturn: Event lists and applications. <i>Icarus</i> , 2018 , 300, 47-71	3.8	25
523	Observation of Electron Conics by Juno: Implications for Radio Generation and Acceleration Processes. <i>Geophysical Research Letters</i> , 2018 , 45, 9408-9416	4.9	11
522	Saturn's Plasma Density Depletions Along Magnetic Field Lines Connected to the Main Rings. <i>Geophysical Research Letters</i> , 2018 , 45, 8104-8110	4.9	5
521	Extended Survey of Saturn Z-Mode Wave Intensity Through Cassini's Final Orbits. <i>Geophysical Research Letters</i> , 2018 , 45, 7330-7336	4.9	4
520	Longitudinal Dependence of Whistler Mode Electromagnetic Waves in the Earth's Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6562-6575	2.6	11
519	Auroral Hiss Emissions During Cassini's Grand Finale: Diverse Electrodynamical Interactions Between Saturn and Its Rings. <i>Geophysical Research Letters</i> , 2018 , 45, 6782-6789	4.9	8
518	Enceladus Auroral Hiss Emissions During Cassini's Grand Finale. <i>Geophysical Research Letters</i> , 2018 , 45, 7347-7353	4.9	12
517	Jupiter Lightning-Induced Whistler and Sferic Events With Waves and MWR During Juno Periapses. <i>Geophysical Research Letters</i> , 2018 , 45, 7268-7276	4.9	9
516	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. <i>Geophysical Research Letters</i> , 2018 , 45, 6755-6765	4.9	20

515	Determining Plasmaspheric Densities from Observations of Plasmaspheric Hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6679-6691	2.6	9
514	Cassini RPWS Dust Observation Near the Janus/Epimetheus Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4952-4960	2.6	7
513	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. <i>Nature Astronomy</i> , 2018 , 2, 544-548	12.1	17
512	Prevalent lightning sferics at 600 megahertz near Jupiter's poles. <i>Nature</i> , 2018 , 558, 87-90	50.4	35
511	Properties of Intense Field-Aligned Lower-Band Chorus Waves: Implications for Nonlinear Wave-Particle Interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5379-5393	2.6	37
510	In situ measurements of Saturn's ionosphere show that it is dynamic and interacts with the rings. <i>Science</i> , 2018 , 359, 66-68	33.3	33
509	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons 2018 ,		1
508	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons. <i>Annales Geophysicae</i> , 2018 , 36, 781-791	2	6
507	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	2.6	33
506	Dust Observations by the Radio and Plasma Wave Science Instrument During Cassini's Grand Finale. <i>Geophysical Research Letters</i> , 2018 , 45, 10,101-10,109	4.9	13
505	Saturn's Northern Aurorae at Solstice From HST Observations Coordinated With Cassini's Grand Finale. <i>Geophysical Research Letters</i> , 2018 , 45, 9353-9362	4.9	19
504	An SLS5 Longitude System Based on the Rotational Modulation of Saturn Radio Emissions. <i>Geophysical Research Letters</i> , 2018 , 45, 7297-7305	4.9	11
503	The Mysterious Periodicities of Saturn 2018 , 97-125		1
502	Formation of electron radiation belts at Saturn by Z-mode wave acceleration. <i>Nature Communications</i> , 2018 , 9, 5062	17.4	21
501	Simulations of Van Allen Probes Plasmaspheric Electron Density Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9453-9475	2.6	6
500	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, 10,177-10,184	4.9	10
499	Equatorial Noise With Quasiperiodic Modulation: Multipoint Observations by the Van Allen Probes Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4809-4819	2.6	3
498	The Acceleration of Electrons to High Energies Over the Jovian Polar Cap via Whistler Mode Wave-Particle Interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7523-7533	2.6	15

497	Auroral Storm and Polar Arcs at Saturn Final Cassini/UVIS Auroral Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 6832-6842	4.9	8
496	The low-frequency source of Saturn's kilometric radiation. <i>Science</i> , 2018 , 362,	33.3	13
495	Dust grains fall from Saturn's D-ring into its equatorial upper atmosphere. <i>Science</i> , 2018 , 362,	33.3	27
494	Chemical interactions between Saturn's atmosphere and its rings. <i>Science</i> , 2018 , 362,	33.3	46
493	In situ collection of dust grains falling from Saturn's rings into its atmosphere. <i>Science</i> , 2018 , 362,	33.3	27
492	Ring Shadowing Effects on Saturn's Ionosphere: Implications for Ring Opacity and Plasma Transport. <i>Geophysical Research Letters</i> , 2018 , 45, 10,084-10,092	4.9	13
491	In Situ Observations Connected to the Io Footprint Tail Aurora. <i>Journal of Geophysical Research E: Planets</i> , 2018 , 123, 3061-3077	4.1	27
490	Quasiperiodic Whistler Mode Emissions Observed by the Van Allen Probes Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8969-8982	2.6	13
489	Juno Constraints on the Formation of Jupiter's Magnetospheric Cushion Region. <i>Geophysical Research Letters</i> , 2018 , 45, 9427-9434	4.9	6
488	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. <i>Geophysical Research Letters</i> , 2018 , 45, 9372-9379	4.9	13
487	The Cassini RPWS/LP Observations of Dusty Plasma in the Kronian System. <i>Proceedings of the International Astronomical Union</i> , 2018 , 14, 415-416	0.1	
486	Evidence of a plume on Europa from Galileo magnetic and plasma wave signatures. <i>Nature Astronomy</i> , 2018 , 2, 459-464	12.1	105
485	Coherently modulated whistler mode waves simultaneously observed over unexpectedly large spatial scales. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1871-1882	2.6	9
484	Zipper-like periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1600-1610	2.6	11
483	Whistler mode waves upstream of Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 227-234	2.6	3
482	An improved sheath impedance model for the Van Allen Probes EFW instrument: Effects of the spin axis antenna. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4420-4429	2.6	16
481	Effects of whistler mode hiss waves in March 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7433-7462	2.6	36
480	Io-Jupiter decametric arcs observed by Juno/Waves compared to ExpRES simulations. <i>Geophysical Research Letters</i> , 2017 , 44, 9225-9232	4.9	14

479	Statistical study of latitudinal beaming of Jupiter's decametric radio emissions using Juno. <i>Geophysical Research Letters</i> , 2017 , 44, 4584-4590	4.9	5
478	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. <i>Science</i> , 2017 , 356, 826-832	33.3	93
477	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. <i>Geophysical Research Letters</i> , 2017 , 44, 5308-5316	4.9	20
476	Plasma waves in Jupiter's high-latitude regions: Observations from the Juno spacecraft. <i>Geophysical Research Letters</i> , 2017 , 44, 4447-4454	4.9	25
475	Plasma measurements in the Jovian polar region with Juno/JADE. <i>Geophysical Research Letters</i> , 2017 , 44, 7122-7130	4.9	30
474	Plasma environment at the dawn flank of Jupiter's magnetosphere: Juno arrives at Jupiter. <i>Geophysical Research Letters</i> , 2017 , 44, 4432-4438	4.9	21
473	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , 2017 , 44, 8107-8112	4.9	12
472	A heavy ion and proton radiation belt inside of Jupiter's rings. <i>Geophysical Research Letters</i> , 2017 , 44, 5259-5268	4.9	20
471	Generation of the Jovian hectometric radiation: First lessons from Juno. <i>Geophysical Research Letters</i> , 2017 , 44, 4439-4446	4.9	24
470	Saturn's rings and associated ring plasma cavity: Evidence for slow ring erosion. <i>Icarus</i> , 2017 , 292, 48-53	3.8	5
469	Ion Trapping by Dust Grains: Simulation Applications to the Enceladus Plume. <i>Journal of Geophysical Research E: Planets</i> , 2017 , 122, 729-743	4.1	2
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