

R W Ebert

List of Publications by Citations

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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.

100
papers

2,289
citations

24
h-index

44
g-index

107
ext. papers

2,696
ext. citations

4.4
avg, IF

4.56
L-index

#	Paper	IF	Citations
100	Weaker solar wind from the polar coronal holes and the whole Sun. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	335
99	Jupiter's interior and deep atmosphere: The initial pole-to-pole passes with the Juno spacecraft. <i>Science</i> , 2017 , 356, 821-825	33.3	180
98	Magnetospheric Science Objectives of the Juno Mission. <i>Space Science Reviews</i> , 2017 , 213, 219-287	7.5	138
97	Bulk properties of the slow and fast solar wind and interplanetary coronal mass ejections measured by Ulysses: Three polar orbits of observations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		100
96	THREE-DIMENSIONAL FEATURES OF THE OUTER HELIOSPHERE DUE TO COUPLING BETWEEN THE INTERSTELLAR AND INTERPLANETARY MAGNETIC FIELDS. IV. SOLAR CYCLE MODEL BASED ON ULYSSES OBSERVATIONS. <i>Astrophysical Journal</i> , 2013 , 772, 2	4.7	83
95	Diverse plasma populations and structures in Jupiter's magnetotail. <i>Science</i> , 2007 , 318, 217-20	33.3	76
94	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	59
93	Response of Jupiter's auroras to conditions in the interplanetary medium as measured by the Hubble Space Telescope and Juno. <i>Geophysical Research Letters</i> , 2017 , 44, 7643-7652	4.9	52
92	Electron beams and loss cones in the auroral regions of Jupiter. <i>Geophysical Research Letters</i> , 2017 , 44, 7131-7139	4.9	51
91	Wave-Particle Interaction of Alfvén Waves in Jupiter's Magnetosphere: Auroral and Magnetospheric Particle Acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9560-9573	2.6	37
90	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. <i>Geophysical Research Letters</i> , 2018 , 45, 1277-1285	4.9	35
89	Energetic particle signatures of magnetic field-aligned potentials over Jupiter's polar regions. <i>Geophysical Research Letters</i> , 2017 , 44, 8703-8711	4.9	35
88	SPECTRAL PROPERTIES OF REGIONS AND STRUCTURES IN THE INTERSTELLAR BOUNDARY EXPLORER (IBEX) SKY MAPS. <i>Astrophysical Journal</i> , 2011 , 734, 29	4.7	35
87	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
86	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. <i>Geophysical Research Letters</i> , 2017 , 44, 4401-4409	4.9	31
85	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4232-4246	4.6	31
84	Plasma measurements in the Jovian polar region with Juno/JADE. <i>Geophysical Research Letters</i> , 2017 , 44, 7122-7130	4.9	30

83	Spatial Distribution and Properties of 0.1–100 keV Electrons in Jupiter's Polar Auroral Region. <i>Geophysical Research Letters</i> , 2017 , 44, 9199-9207	4.9	30
82	Charge state of ~1 to 50 keV ions after passing through graphene and ultrathin carbon foils. <i>Optical Engineering</i> , 2014 , 53, 024101	1.1	27
81	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
80	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. I. FE, O, AND SEED MATERIAL. <i>Astrophysical Journal</i> , 2016 , 816, 68	4.7	26
79	COROTATING INTERACTION REGION ASSOCIATED SUPRATHERMAL HELIUM ION ENHANCEMENTS AT 1 AU: EVIDENCE FOR LOCAL ACCELERATION AT THE COMPRESSION REGION TRAILING EDGE. <i>Astrophysical Journal</i> , 2012 , 749, 73	4.7	26
78	SOLAR ROTATION EFFECTS ON THE HELIOSHEATH FLOW NEAR SOLAR MINIMA. <i>Astrophysical Journal</i> , 2012 , 750, 42	4.7	26
77	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
76	Generation of the Jovian hectometric radiation: First lessons from Juno. <i>Geophysical Research Letters</i> , 2017 , 44, 4439-4446	4.9	24
75	A survey of solar wind conditions at 5 AU: a tool for interpreting solar wind-magnetosphere interactions at Jupiter. <i>Frontiers in Astronomy and Space Sciences</i> , 2014 , 1,	3.8	24
74	Carbon foils for space plasma instrumentation. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3931-3950	2.6	24
73	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. II. SYSTEMATIC Q/M DEPENDENCE OF HEAVY ION SPECTRAL BREAKS. <i>Astrophysical Journal</i> , 2016 , 828, 106	4.7	24
72	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
71	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1989	2.6	21
70	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. <i>Geophysical Research Letters</i> , 2017 , 44, 4419-4425	4.9	18
69	Jovian bow shock and magnetopause encounters by the Juno spacecraft. <i>Geophysical Research Letters</i> , 2017 , 44, 4506-4512	4.9	18
68	Origin and Properties of Quiet-time 0.1–28 MeV Nucleon-Heavy-ion Population Near 1 au. <i>Astrophysical Journal</i> , 2017 , 835, 155	4.7	18
67	Jupiter's deep magnetotail boundary layer. <i>Planetary and Space Science</i> , 2015 , 111, 116-125	2	18
66	Angular scattering of 1-50 keV ions through graphene and thin carbon foils: potential applications for space plasma instrumentation. <i>Review of Scientific Instruments</i> , 2014 , 85, 033302	1.7	18

65	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for O+ and S2+. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2018JA026169	2.6	18
64	Survey of Ion Properties in Jupiter's Plasma Sheet: Juno JADE-I Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027696	2.6	17
63	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	8	16
62	Bimodal size of Jupiter's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1523-1529	2.6	16
61	Location, structure, and motion of Jupiter's dusk magnetospheric boundary from ~1625 to 2550 RJ. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		16
60	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
59	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
58	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
57	Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086527	4.9	14
56	Semi-empirical relationships for the energy loss and straggling of 100 keV hydrogen ions passing through thin carbon foils. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 359, 115-119	1.2	14
55	Juno observations of large-scale compressions of Jupiter's dawnside magnetopause. <i>Geophysical Research Letters</i> , 2017 , 44, 7559-7568	4.9	14
54	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
53	Jovian High-Latitude Ionospheric Ions: Juno In Situ Observations. <i>Geophysical Research Letters</i> , 2019 , 46, 8663-8670	4.9	13
52	SPECTRAL EVOLUTION OF ENERGETIC NEUTRAL ATOM EMISSIONS AT THE HELIOSPHERIC POLES AS MEASURED BY IBEX DURING ITS FIRST THREE YEARS. <i>Astrophysical Journal</i> , 2014 , 797, 57	4.7	13
51	Modeling transport of energetic particles in corotating interaction regions: A case study. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 77-92	2.6	13
50	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , 2017 , 44, 8107-8112	4.9	12
49	Comparisons Between Jupiter's X-ray, UV and Radio Emissions and In-Situ Solar Wind Measurements During 2007. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027222	2.6	12
48	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

47	Investigation of Mass-/Charge-Dependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5539-5567	2.6	12
46	Jovian deep magnetotail composition and structure. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1763-1777	2.6	11
45	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
44	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
43	A Composition Analysis Tool for the Solar Wind Around Pluto (SWAP) Instrument on New Horizons. <i>Space Science Reviews</i> , 2010 , 156, 1-12	7.5	11
42	Chandra Observations of Jupiter's X-ray Auroral Emission During Juno Apojove 2017. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2019JE006262	4.1	11
41	HELIUM ION ANISOTROPIES IN COROTATING INTERACTION REGIONS AT 1 AU. <i>Astrophysical Journal Letters</i> , 2012 , 754, L30	7.9	10
40	A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089267	4.9	10
39	Heavy Ion Charge States in Jupiter's Polar Magnetosphere Inferred From Auroral Megavolt Electric Potentials. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028052	2.6	10
38	Ice giant magnetospheres. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190480	3	9
37	HEMISPHERIC ASYMMETRIES IN THE POLAR SOLAR WIND OBSERVED BY ULYSSES NEAR THE MINIMA OF SOLAR CYCLES 22 AND 23. <i>Astrophysical Journal</i> , 2013 , 768, 160	4.7	9
36	Next-generation solid-state detectors for charged particle spectroscopy. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6075-6091	2.6	9
35	Io's Effect on Energetic Charged Particles as Seen in Juno Data. <i>Geophysical Research Letters</i> , 2019 , 46, 13615-13620	4.9	9
34	Survey of Jupiter's Dawn Magnetosheath Using Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9106-9123	2.6	9
33	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
32	A mass analysis technique using coincidence measurements from the Interstellar Boundary Explorer-Hi (approximately 0.3- approximately 6 keV) detector. <i>Review of Scientific Instruments</i> , 2008 , 79, 096107	1.7	8
31	Proton Acceleration by Io's Alfvénic Interaction. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027314	2.6	8
30	Spectral Properties and Abundances of Suprathermal Heavy Ions in Compression Regions near 1 au. <i>Astrophysical Journal</i> , 2019 , 876, 88	4.7	7

29	Revealing the source of Jupiter's x-ray auroral flares. <i>Science Advances</i> , 2021 , 7,	14.3	7
28	Energetic Proton Acceleration Associated With Io's Footprint Tail. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090839	4.9	6
27	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
26	Juno Constraints on the Formation of Jupiter's Magnetospheric Cushion Region. <i>Geophysical Research Letters</i> , 2018 , 45, 9427-9434	4.9	6
25	An integrated time-of-flight versus residual energy subsystem for a compact dual ion composition experiment for space plasmas. <i>Review of Scientific Instruments</i> , 2015 , 86, 054501	1.7	5
24	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089732	4.9	5
23	MULTI-SPACECRAFT ANALYSIS OF ENERGETIC HEAVY ION AND INTERPLANETARY SHOCK PROPERTIES IN ENERGETIC STORM PARTICLE EVENTS NEAR 1 au. <i>Astrophysical Journal</i> , 2016 , 831, 153	4.7	5
22	Juno In Situ Observations Above the Jovian Equatorial Ionosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087623	4.9	5
21	Jovian UV Aurora's Response to the Solar Wind: Hisaki EXCEED and Juno Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10209-10218	2.6	5
20	Plasma and energetic particle observations in Jupiter's deep tail near the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6432-6444	2.6	4
19	Avalanche photodiode based time-of-flight mass spectrometry. <i>Review of Scientific Instruments</i> , 2015 , 86, 083302	1.7	4
18	A comprehensive suite of suprathermal ion sensors. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,637-11,646	2.6	4
17	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
16	Energy Spectra Near Ganymede From Juno Data. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093021	4.9	3
15	Compact Dual Ion Composition Experiment for space plasmas LoDICE. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6632-6638	2.6	3
14	Investigation of the influence of surface composition on the charge state distribution of ~keV hydrogen exiting thin carbon foils for space plasma instrumentation. <i>Advances in Space Research</i> , 2016 , 57, 2420-2426	2.4	3
13	Proton Outflow Associated With Jupiter's Auroral Processes. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	3
12	Survey of Juno Observations in Jupiter's Plasma Disk: Density. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029446	2.6	3

11	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
10	Relating IBEX and Voyager Data through Global Modeling of the Heliospheric Interface 2010 ,		2
9	What causes the variability in the properties of energetic storm particle (ESP) events?. <i>Journal of Physics: Conference Series</i> , 2018 , 1100, 012008	0.3	2
8	A Persistent Depletion of Plasma Ions Within Jupiter's Auroral Polar Caps. <i>Geophysical Research Letters</i> , 2020 , 47,	4.9	1
7	A double-cusp type electrostatic analyzer for high-cadence solar-wind suprathermal ion observations. <i>Review of Scientific Instruments</i> , 2018 , 89, 114503	1.7	1
6	Closed Fluxtubes and Dispersive Proton Conics at Jupiter's Polar Cap. <i>Geophysical Research Letters</i> ,	4.9	1
5	H ₂ + pickup ions from Europa-genic H ₂ neutrals orbiting Jupiter. <i>Geophysical Research Letters</i> ,	4.9	1
4	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
3	Detection and Characterization of Circular Expanding UV-Emissions Observed in Jupiter's Polar Auroral Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028971	2.6	0
2	Observation of Kolmogorov Turbulence in the Jovian Magnetosheath From JADE Data. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095006	4.9	0
1	Jupiter 2021 , 108-122		