

# R W Ebert

## 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.

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	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
99	Detection and Characterization of Circular Expanding UV-Emissions Observed in Jupiter's Polar Auroral Regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028971	2.6	0
98	Energy Spectra Near Ganymede From Juno Data. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093021	4.9	3
97	Revealing the source of Jupiter's x-ray auroral flares. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	7
96	Proton Outflow Associated With Jupiter's Auroral Processes. <i>Geophysical Research Letters</i> , <b>2021</b> , 48,	4.9	3
95	Jupiter <b>2021</b> , 108-122		
94	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
93	The High-Latitude Extension of Jupiter's Io Torus: Electron Densities Measured by Juno Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029195	2.6	4
92	Observation of Kolmogorov Turbulence in the Jovian Magnetosheath From JADE Data. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095006	4.9	0
91	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
90	Ice giant magnetospheres. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190480	3	9
89	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> , <b>2020</b> , 125, e2019JA027222	2.6	12
88	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
87	The Generation of Upward-Propagating Whistler Mode Waves by Electron Beams in the Jovian Polar Regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027868	2.6	8
86	Energetic Particles and Acceleration Regions Over Jupiter's Polar Cap and Main Aurora: A Broad Overview. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027699	2.6	15
85	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
84	Magnetotail Reconnection at Jupiter: A Survey of Juno Magnetic Field Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027486	2.6	12

83	Alfvénic Acceleration Sustains Ganymede’s Footprint Tail Aurora. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086527	4.9	14
82	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
81	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
80	A Persistent Depletion of Plasma Ions Within Jupiter’s Auroral Polar Caps. <i>Geophysical Research Letters</i> , <b>2020</b> , 47,	4.9	1
79	Juno In Situ Observations Above the Jovian Equatorial Ionosphere. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087623	4.9	5
78	Energetic Proton Acceleration Associated With Io’s Footprint Tail. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090839	4.9	6
77	Proton Acceleration by Io’s Alfvénic Interaction. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027314	2.6	8
76	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
75	Heavy Ion Charge States in Jupiter’s Polar Magnetosphere Inferred From Auroral Megavolt Electric Potentials. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028052	2.6	10
74	Wave-Particle Interactions Associated With Io’s Auroral Footprint: Evidence of Alfvén, Ion Cyclotron, and Whistler Modes. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088432	4.9	15
73	An Enhancement of Jupiter’s Main Auroral Emission and Magnetospheric Currents. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027904	2.6	6
72	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> , <b>2020</b> , 125, e2018JA026169	2.6	18
71	Chandra Observations of Jupiter’s X-ray Auroral Emission During Juno Apojove 2017. <i>Journal of Geophysical Research E: Planets</i> , <b>2020</b> , 125, e2019JE006262	4.1	11
70	Spectral Properties and Abundances of Suprathermal Heavy Ions in Compression Regions near 1 au. <i>Astrophysical Journal</i> , <b>2019</b> , 876, 88	4.7	7
69	Jovian High-Latitude Ionospheric Ions: Juno In Situ Observations. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 8663-8670	4.9	13
68	Investigation of Mass-/Charge-Dependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5539-5567	2.6	12
67	Io’s Effect on Energetic Charged Particles as Seen in Juno Data. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 13615-13620	4.9	9
66	Jovian UV Aurora’s Response to the Solar Wind: Hisaki EXCEED and Juno Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 10209-10218	2.6	5

65	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
64	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
63	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
62	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1989	2.6	21
61	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
60	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
59	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
58	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
57	What causes the variability in the properties of energetic storm particle (ESP) events?. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1100, 012008	0.3	2
56	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> , <b>2018</b> , 123, 7523-7533	2.6	15
55	Wave-Particle Interaction of Alfvén Waves in Jupiter's Magnetosphere: Auroral and Magnetospheric Particle Acceleration. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9560-9573	2.6	37
54	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	59
53	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
52	Juno Constraints on the Formation of Jupiter's Magnetospheric Cushion Region. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 9427-9434	4.9	6
51	Jovian deep magnetotail composition and structure. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1763-1777	2.6	11
50	Jupiter's interior and deep atmosphere: The initial pole-to-pole passes with the Juno spacecraft. <i>Science</i> , <b>2017</b> , 356, 821-825	33.3	180
49	Plasma measurements in the Jovian polar region with Juno/JADE. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7122-7130	4.9	30
48	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

47	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 8107-8112	4.9	12
46	Generation of the Jovian hectometric radiation: First lessons from Juno. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4439-4446	4.9	24
45	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4419-4425	4.9	18
44	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> , <b>2017</b> , 44, 7643-7652	4.9	52
43	Jovian bow shock and magnetopause encounters by the Juno spacecraft. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4506-4512	4.9	18
42	Electron beams and loss cones in the auroral regions of Jupiter. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7131-7139	4.9	51
41	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4401-4409	4.9	31
40	Spatial Distribution and Properties of 0.1-100 keV Electrons in Jupiter's Polar Auroral Region. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 9199-9207	4.9	30
39	Energetic particle signatures of magnetic field-aligned potentials over Jupiter's polar regions. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 8703-8711	4.9	35
38	Origin and Properties of Quiet-time 0.11-28 MeV Nucleon Heavy-ion Population Near 1 au. <i>Astrophysical Journal</i> , <b>2017</b> , 835, 155	4.7	18
37	Juno observations of large-scale compressions of Jupiter's dawnside magnetopause. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7559-7568	4.9	14
36	Magnetospheric Science Objectives of the Juno Mission. <i>Space Science Reviews</i> , <b>2017</b> , 213, 219-287	7.5	138
35	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. I. FE, O, AND SEED MATERIAL. <i>Astrophysical Journal</i> , <b>2016</b> , 816, 68	4.7	26
34	MULTI-SPACECRAFT ANALYSIS OF ENERGETIC HEAVY ION AND INTERPLANETARY SHOCK PROPERTIES IN ENERGETIC STORM PARTICLE EVENTS NEAR 1 au. <i>Astrophysical Journal</i> , <b>2016</b> , 831, 153	4.7	5
33	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 4232-4246	4.6	31
32	Compact Dual Ion Composition Experiment for space plasmas CoDICE. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6632-6638	2.6	3
31	Carbon foils for space plasma instrumentation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3931-3950	2.6	24
30	Next-generation solid-state detectors for charged particle spectroscopy. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6075-6091	2.6	9

29	A comprehensive suite of suprathermal ion sensors. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 11,637-11,646	2.6	4
28	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. II. SYSTEMATICQ/MDEPENDENCE OF HEAVY ION SPECTRAL BREAKS. <i>Astrophysical Journal</i> , <b>2016</b> , 828, 106	4.7	24
27	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> , <b>2016</b> , 57, 2420-2426	2.4	3
26	Modeling transport of energetic particles in corotating interaction regions: A case study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 77-92	2.6	13
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> , <b>2015</b> , 86, 054501	1.7	5
24	Semi-empirical relationships for the energy loss and straggling of 10 keV hydrogen ions passing through thin carbon foils. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 359, 115-119	1.2	14
23	Avalanche photodiode based time-of-flight mass spectrometry. <i>Review of Scientific Instruments</i> , <b>2015</b> , 86, 083302	1.7	4
22	Jupiter's deep magnetotail boundary layer. <i>Planetary and Space Science</i> , <b>2015</b> , 111, 116-125	2	18
21	Plasma and energetic particle observations in Jupiter's deep tail near the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6432-6444	2.6	4
20	Bimodal size of Jupiter's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 1523-1529	2.16	16
19	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> , <b>2014</b> , 1,	3.8	24
18	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> , <b>2014</b> , 85, 033302	1.7	18
17	Charge state of ~1 to 50 keV ions after passing through graphene and ultrathin carbon foils. <i>Optical Engineering</i> , <b>2014</b> , 53, 024101	1.1	27
16	SPECTRAL EVOLUTION OF ENERGETIC NEUTRAL ATOM EMISSIONS AT THE HELIOSPHERIC POLES AS MEASURED BYIBEXDURING ITS FIRST THREE YEARS. <i>Astrophysical Journal</i> , <b>2014</b> , 797, 57	4.7	13
15	HEMISPHERIC ASYMMETRIES IN THE POLAR SOLAR WIND OBSERVED BYULYSSESNEAR THE MINIMA OF SOLAR CYCLES 22 AND 23. <i>Astrophysical Journal</i> , <b>2013</b> , 768, 160	4.7	9
14	THREE-DIMENSIONAL FEATURES OF THE OUTER HELIOSPHERE DUE TO COUPLING BETWEEN THE INTERSTELLAR AND INTERPLANETARY MAGNETIC FIELDS. IV. SOLAR CYCLE MODEL BASED ONLYSSSESOBSERVATIONS. <i>Astrophysical Journal</i> , <b>2013</b> , 772, 2	4.7	83
13	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> , <b>2012</b> , 749, 73	4.7	26
12	SOLAR ROTATION EFFECTS ON THE HELIOSHEATH FLOW NEAR SOLAR MINIMA. <i>Astrophysical Journal</i> , <b>2012</b> , 750, 42	4.7	26

11	HELIUM ION ANISOTROPIES IN COROTATING INTERACTION REGIONS AT 1 AU. <i>Astrophysical Journal Letters</i> , <b>2012</b> , 754, L30	7.9	10
10	SPECTRAL PROPERTIES OF REGIONS AND STRUCTURES IN THE INTERSTELLAR BOUNDARY EXPLORER (IBEX) SKY MAPS. <i>Astrophysical Journal</i> , <b>2011</b> , 734, 29	4.7	35
9	Relating IBEX and Voyager Data through Global Modeling of the Heliospheric Interface <b>2010</b> ,		2
8	Location, structure, and motion of Jupiter's dusk magnetospheric boundary from ~1625 to 2550 RJ. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		16
7	A Composition Analysis Tool for the Solar Wind Around Pluto (SWAP) Instrument on New Horizons. <i>Space Science Reviews</i> , <b>2010</b> , 156, 1-12	7.5	11
6	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> , <b>2009</b> , 114, n/a-n/a		100
5	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> , <b>2008</b> , 79, 096107	1.7	8
4	Weaker solar wind from the polar coronal holes and the whole Sun. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	335
3	Diverse plasma populations and structures in Jupiter's magnetotail. <i>Science</i> , <b>2007</b> , 318, 217-20	33.3	76
2	Closed Fluxtubes and Dispersive Proton Conics at Jupiter's Polar Cap. <i>Geophysical Research Letters</i> ,	4.9	1
1	H <sub>2</sub> + pickup ions from Europa-genic H <sub>2</sub> neutrals orbiting Jupiter. <i>Geophysical Research Letters</i> ,	4.9	1