

# H O Funsten

## 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.

246  
papers

10,865  
citations

52  
h-index

95  
g-index

254  
ext. papers

12,228  
ext. citations

5.1  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
246	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 259, 48	8	0
245	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
244	RBSP-ECT Combined Pitch Angle Resolved Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028637	2.6	2
243	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive All-Sky Camera and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA029078	2.6	3
242	A Three-dimensional Map of the Heliosphere from IBEX. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 254, 40	8	6
241	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
240	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028484	2.6	2
239	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
238	Understanding Mass Resolution of Foil-Based Time-of-Flight Mass Spectrometry. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027971	2.6	1
237	Angular scattering of protons through ultrathin graphene foils: Application for time-of-flight instrumentation. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 033302	1.7	2
236	Simultaneously Formed Wedge-Like Structures of Different Ion Species Deep in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028192	2.6	4
235	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
234	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
233	RBSP-ECT Combined Spin-Averaged Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 9124-9136	2.6	12
232	Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. <i>Nature Physics</i> , <b>2019</b> , 15, 367-372	16.2	53
231	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
230	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

229	Simultaneous Trapping of Electromagnetic Ion Cyclotron and Magnetosonic Waves by Background Plasmas. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1635-1643	2.6	17
228	Expanding Global Features in the Outer Heliosphere. <i>Astrophysical Journal</i> , <b>2019</b> , 872, 127	4.7	16
227	Cold Plasmaspheric Electrons Affected by ULF Waves in the Inner Magnetosphere: A Van Allen Probes Statistical Study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7954-7965	2.6	10
226	Origin of two-band chorus in the radiation belt of Earth. <i>Nature Communications</i> , <b>2019</b> , 10, 4672	17.4	29
225	Low-Resource Technique for Measurement of H+ and O+ in the Terrestrial Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 9137-9153	2.6	1
224	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
223	Parallel Acceleration of Suprathermal Electrons Caused by Whistler-Mode Hiss Waves. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 12675-12684	4.9	10
222	Temporal Evolution of Ion Spectral Structures During a Geomagnetic Storm: Observations and Modeling. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 179-196	2.6	11
221	Cold Ion Heating by Magnetosonic Waves in a Density Cavity of the Plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1242-1250	2.6	24
220	A Comparative Study of ULF Waves' Role in the Dynamics of Charged Particles in the Plasmasphere: Van Allen Probes Observation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 5334-5343	2.6	17
219	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
218	Rapid Enhancements of the Seed Populations in the Heart of the Earth's Outer Radiation Belt: A Multicase Study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 4895-4907	2.6	4
217	Exohiss wave enhancement following substorm electron injection in the dayside magnetosphere. <i>Earth and Planetary Physics</i> , <b>2018</b> , 2, 1-12	1.6	4
216	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
215	Global Distribution of Proton Rings and Associated Magnetosonic Wave Instability in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 10,160-10,166	4.9	17
214	Response of Banded Whistler Mode Waves to the Enhancement of Solar Wind Dynamic Pressure in the Inner Earth's Magnetosphere. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8755-8763	4.9	6
213	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	59
212	Excitation of O+ Band EMIC Waves Through H+ Ring Velocity Distributions: Van Allen Probe Observations. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1271-1276	4.9	14

211	The role of convection in the buildup of the ring current pressure during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 475-492	2.6	22
210	On the origin of low-energy electrons in the inner magnetosphere: Fluxes and pitch-angle distributions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1789-1802	2.6	12
209	Zipper-like periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1600-1610	2.6	11
208	Van Allen Probes observations of structured whistler mode activity and coincident electron Landau acceleration inside a remnant plasmaspheric plume. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3073-3086	2.6	13
207	Generation of extremely low frequency chorus in Van Allen radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3201-3211	2.6	15
206	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
205	Seven Years of Imaging the Global Heliosphere with IBEX. <i>Astrophysical Journal, Supplement Series</i> , <b>2017</b> , 229, 41	8	57
204	A positive correlation between energetic electron butterfly distributions and magnetosonic waves in the radiation belt slot region. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 3980-3990	4.9	20
203	Simultaneous disappearances of plasmaspheric hiss, exohiss, and chorus waves triggered by a sudden decrease in solar wind dynamic pressure. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 52-61	4.9	27
202	Radiation belt seed population and its association with the relativistic electron dynamics: A statistical study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5261-5276	2.6	7
201	Cross-scale observations of the 2015 St. Patrick's day storm: THEMIS, Van Allen Probes, and TWINS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 368-392	2.6	19
200	Relativistic Electron Increase During Chorus Wave Activities on the 6 <sup>th</sup> March 2016 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 11,302-11,319	2.6	4
199	The Evolution of the Plasma Sheet Ion Composition: Storms and Recoveries. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12,040-12,054	2.6	10
198	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9969-9982	2.6	21
197	In situ observations of magnetosonic waves modulated by background plasma density. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7628-7633	4.9	33
196	The effects of magnetospheric processes on relativistic electron dynamics in the Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9952-9968	2.6	8
195	The Downwind Hemisphere of the Heliosphere: Eight Years of IBEX-Lo Observations. <i>Astrophysical Journal</i> , <b>2017</b> , 851, 2	4.7	17
194	Chorus Wave Modulation of Langmuir Waves in the Radiation Belts. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 11,713-11,721	4.9	15

193	Generation of lower and upper bands of electrostatic electron cyclotron harmonic waves in the Van Allen radiation belts. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 5251-5258	4.9	11
192	The plasma environment inside geostationary orbit: A Van Allen Probes HOPE survey. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9207-9227	2.6	24
191	GEOMETRY AND CHARACTERISTICS OF THE HELIOSHEATH REVEALED IN THE FIRST FIVE YEARS OF INTERSTELLAR BOUNDARY EXPLORER OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2016</b> , 826, 58	4.7	27
190	LATITUDE, ENERGY, AND TIME VARIATIONS IN THE ENERGETIC NEUTRAL ATOM SPECTRAL INDICES MEASURED BY THE INTERSTELLAR BOUNDARY EXPLORER (IBEX). <i>Astrophysical Journal</i> , <b>2016</b> , 832, 116	4.7	6
189	In situ evidence of the modification of the parallel propagation of EMIC waves by heated He <sup>+</sup> ions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6711-6717	2.6	16
188	The source of O <sup>+</sup> in the storm time ring current. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 5333-5349	2.6	47
187	Nonstorm time dropout of radiation belt electron fluxes on 24 September 2013. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6400-6416	2.6	43
186	The complex nature of storm-time ion dynamics: Transport and local acceleration. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 10,059-10,067	4.9	15
185	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 8867-8875	4.9	58
184	Drift paths of ions composing multiple-nose spectral structures near the inner edge of the plasma sheet. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,484	4.9	8
183	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 4232-4246	4.6	31
182	LOCAL INTERSTELLAR MAGNETIC FIELD DETERMINED FROM THE INTERSTELLAR BOUNDARY EXPLORER RIBBON. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 818, L18	7.9	113
181	Effects of solar wind speed on the secondary energetic neutral source of the Interstellar Boundary Explorer ribbon. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 586, A31	5.1	13
180	Ion nose spectral structures observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 12,025-12,046	2.6	18
179	Following the interstellar magnetic field from the heliosphere into space with polarized starlight. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 767, 012010	0.3	3
178	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3009-3016	4.9	73
177	Ring current electron dynamics during geomagnetic storms based on the Van Allen Probes measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3333-3346	2.6	38
176	Energy-dependent dynamics of keV to MeV electrons in the inner zone, outer zone, and slot regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 397-412	2.6	122

175	Rapid flattening of butterfly pitch angle distributions of radiation belt electrons by whistler-mode chorus. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 8339-8347	4.9	17
174	Evolution of chorus emissions into plasmaspheric hiss observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 4518-4529	2.6	10
173	TRACKING THE SOLAR CYCLE THROUGH ISEX OBSERVATIONS OF ENERGETIC NEUTRAL ATOM FLUX VARIATIONS AT THE HELIOSPHERIC POLES. <i>Astrophysical Journal</i> , <b>2016</b> , 833, 277	4.7	22
172	Carbon foils for space plasma instrumentation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3931-3950	2.6	24
171	A wide field of view plasma spectrometer. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6590-6604	4.9	14
170	Dipolarizing flux bundles in the cis-geosynchronous magnetosphere: Relationship between electric fields and energetic particle injections. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 1362-1376	2.6	47
169	Prompt enhancement of the Earth's outer radiation belt due to substorm electron injections. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 11,826-11,838	2.6	15
168	DISTANCE TO THE ISEX RIBBON SOURCE INFERRED FROM PARALLAX. <i>Astrophysical Journal</i> , <b>2016</b> , 823, 119	4.7	19
167	THE ROLL-OVER OF HELIOSPHERIC NEUTRAL HYDROGEN BELOW 100 eV: OBSERVATIONS AND IMPLICATIONS. <i>Astrophysical Journal</i> , <b>2016</b> , 821, 107	4.7	25
166	The relationship between the plasmopause and outer belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 8392-8416	2.6	15
165	Study of EMIC wave excitation using direct ion measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2702-2719	2.6	29
164	Shape of the terrestrial plasma sheet in the near-Earth magnetospheric tail as imaged by the Interstellar Boundary Explorer. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2115-2122	4.9	8
163	EVIDENCE FOR AN INTERSTELLAR DUST FILAMENT IN THE OUTER HELIOSHEATH. <i>Astrophysical Journal</i> , <b>2015</b> , 805, 60	4.7	12
162	LATITUDINAL AND ENERGY DEPENDENCE OF ENERGETIC NEUTRAL ATOM SPECTRAL INDICES MEASURED BY THE INTERSTELLAR BOUNDARY EXPLORER. <i>Astrophysical Journal</i> , <b>2015</b> , 802, 100	4.7	9
161	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 6170-6179	4.9	43
160	Van Allen Probes observation and modeling of chorus excitation and propagation during weak geomagnetic activities. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6371-6385	2.6	5
159	Trunk-like heavy ion structures observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 8738-8748	2.6	20
158	The evolution of ring current ion energy density and energy content during geomagnetic storms based on Van Allen Probes measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 7493-7511	2.6	50

157	CHARTING THE INTERSTELLAR MAGNETIC FIELD CAUSING THE INTERSTELLAR BOUNDARY EXPLORER (IBEX) RIBBON OF ENERGETIC NEUTRAL ATOMS. <i>Astrophysical Journal</i> , <b>2015</b> , 814, 112	4.7	36
156	Van Allen Probes observations linking radiation belt electrons to chorus waves during 2014 multiple storms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 938-948	2.6	14
155	Multipoint observations of the open-closed field line boundary as observed by the Van Allen Probes and geostationary satellites during the 14 November 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6596-6613	2.6	7
154	Disappearance of plasmaspheric hiss following interplanetary shock. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3129-3140	4.9	29
153	Imaging the development of the cold dense plasma sheet. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 7867-7873	4.9	10
152	Penetration of magnetosonic waves into the plasmasphere observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 7287-7294	4.9	23
151	Connecting the interstellar magnetic field at the heliosphere to the Loop I superbubble. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 577, 012010	0.3	3
150	Anisotropies in TeV Cosmic Rays Related to the Local Interstellar Magnetic Field from the IBEX Ribbon. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 577, 012023	0.3	1
149	Comparative Response of Microchannel Plate and Channel Electron Multiplier Detectors to Penetrating Radiation in Space. <i>IEEE Transactions on Nuclear Science</i> , <b>2015</b> , 62, 2283-2293	1.7	8
148	Wave-driven butterfly distribution of Van Allen belt relativistic electrons. <i>Nature Communications</i> , <b>2015</b> , 6, 8590	17.4	117
147	SYMMETRY OF THE IBEX RIBBON OF ENHANCED ENERGETIC NEUTRAL ATOM (ENA) FLUX. <i>Astrophysical Journal</i> , <b>2015</b> , 799, 68	4.7	14
146	Plasmatrough exohiss waves observed by Van Allen Probes: Evidence for leakage from plasmasphere and resonant scattering of radiation belt electrons. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 1012-1019	4.9	34
145	Interplanetary magnetic field dependence of the suprathermal energetic neutral atoms originated in subsolar magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 964-972	2.6	14
144	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 3325-3332	2.6	82
143	Van Allen Probes observations of direct wave-particle interactions. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 1869-1875	4.9	26
142	Quantifying the relative contributions of substorm injections and chorus waves to the rapid outward extension of electron radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 10,023	2.6	25
141	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 4101-4108	4.9	50
140	Anisotropies in TeV Cosmic Rays Related to the IBEX Ribbon. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 531, 012010	0.3	1

139	Whistler anisotropy instabilities as the source of banded chorus: Van Allen Probes observations and particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8288-8298	2.6	77
138	Nonstorm time dynamics of electron radiation belts observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 229-235	4.9	49
137	Excitation of nightside magnetosonic waves observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 9125-9133	2.6	22
136	Intense duskside lower band chorus waves observed by Van Allen Probes: Generation and potential acceleration effect on radiation belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 4266-4273	2.6	42
135	SEPARATION OF THE RIBBON FROM GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX USING THE FIRST FIVE YEARS OF IBEX OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , <b>2014</b> , 215, 13	8	75
134	THE EFFECT OF NEW INTERSTELLAR MEDIUM PARAMETERS ON THE HELIOSPHERE AND ENERGETIC NEUTRAL ATOMS FROM THE INTERSTELLAR BOUNDARY. <i>Astrophysical Journal</i> , <b>2014</b> , 784, 73	4.7	74
133	IBEX : THE FIRST FIVE YEARS (2009-2013). <i>Astrophysical Journal, Supplement Series</i> , <b>2014</b> , 213, 20	8	75
132	ENERGETIC NEUTRAL ATOMS MEASURED BY THE INTERSTELLAR BOUNDARY EXPLORER (IBEX): EVIDENCE FOR MULTIPLE HELIOSHEATH POPULATIONS. <i>Astrophysical Journal</i> , <b>2014</b> , 780, 98	4.7	42
131	Global anisotropies in TeV cosmic rays related to the Sun's local galactic environment from IBEX. <i>Science</i> , <b>2014</b> , 343, 988-90	33.3	84
130	LOW ENERGY NEUTRAL ATOMS FROM THE HELIOSHEATH. <i>Astrophysical Journal</i> , <b>2014</b> , 784, 89	4.7	45
129	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4127-4132	4.9	115
128	Electron acceleration in the heart of the Van Allen radiation belts. <i>Science</i> , <b>2013</b> , 341, 991-4	33.3	379
127	Lunar energetic neutral atom (ENA) spectra measured by the interstellar boundary explorer (IBEX). <i>Planetary and Space Science</i> , <b>2013</b> , 85, 232-242	2	20
126	Solar wind reflection from the lunar surface: The view from far and near. <i>Planetary and Space Science</i> , <b>2013</b> , 84, 1-4	2	14
125	Van Allen Probes observation of localized drift resonance between poloidal mode ultra-low frequency waves and 60 keV electrons. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4491-4497	4.9	108
124	Science Goals and Overview of the Radiation Belt Storm Probes (RBSP) Energetic Particle, Composition, and Thermal Plasma (ECT) Suite on NASA's Van Allen Probes Mission. <i>Space Science Reviews</i> , <b>2013</b> , 179, 311-336	7.5	383
123	The impact of geocoronal density on ring current development. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2013</b> , 99, 92-103	2	36
122	Limited Resource Plasma Analyzers: Miniaturization Concepts. <i>Geophysical Monograph Series</i> , <b>2013</b> , 157-167		5



121	Helium, Oxygen, Proton, and Electron (HOPE) Mass Spectrometer for the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , <b>2013</b> , 179, 423-484	7.5	356
120	Reflection of solar wind hydrogen from the lunar surface. <i>Journal of Geophysical Research E: Planets</i> , <b>2013</b> , 118, 292-305	4.1	21
119	THE SOLAR WIND AS A POSSIBLE SOURCE OF FAST TEMPORAL VARIATIONS OF THE HELIOSPHERIC RIBBON. <i>Astrophysical Journal</i> , <b>2013</b> , 776, 109	4.7	18
118	ANALYTIC MODEL OF THE IBERIBBON WITH NEUTRAL SOLAR WIND BASED ION PICKUP BEYOND THE HELIOPAUSE. <i>Astrophysical Journal</i> , <b>2013</b> , 766, 129	4.7	48
117	CIRCULARITY OF THE INTERSTELLAR BOUNDARY EXPLORER RIBBON OF ENHANCED ENERGETIC NEUTRAL ATOM (ENA) FLUX. <i>Astrophysical Journal</i> , <b>2013</b> , 776, 30	4.7	106
116	THE HELIOTAIL REVEALED BY THE INTERSTELLAR BOUNDARY EXPLORER. <i>Astrophysical Journal</i> , <b>2013</b> , 771, 77	4.7	72
115	Helium, Oxygen, Proton, and Electron (HOPE) Mass Spectrometer for the Radiation Belt Storm Probes Mission <b>2013</b> , 423-484		9
114	PRESSURE OF THE PROTON PLASMA IN THE INNER HELIOSHEATH. <i>Astrophysical Journal</i> , <b>2013</b> , 762, 134	4.7	56
113	The free escape continuum of diffuse ions upstream of the Earth's quasi-parallel bow shock. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 4425-4434	2.6	5
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