

H O Funsten

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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	Cassini Plasma Spectrometer Investigation. <i>Space Science Reviews</i> , 2004 , 114, 1-112	7.5	411
245	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> , 2013 , 179, 311-336	7.5	383
244	Global observations of the interstellar interaction from the Interstellar Boundary Explorer (IBEX). <i>Science</i> , 2009 , 326, 959-62	33.3	382
243	Electron acceleration in the heart of the Van Allen radiation belts. <i>Science</i> , 2013 , 341, 991-4	33.3	379
242	Global distribution of near-surface hydrogen on Mars. <i>Journal of Geophysical Research</i> , 2004 , 109,		361
241	Helium, Oxygen, Proton, and Electron (HOPE) Mass Spectrometer for the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013 , 179, 423-484	7.5	356
240	Solar wind observations over Ulysses' first full polar orbit. <i>Journal of Geophysical Research</i> , 2000 , 105, 10419-10433		354
239	IBEX Interstellar Boundary Explorer. <i>Space Science Reviews</i> , 2009 , 146, 11-33	7.5	252
238	The Earth's plasma sheet as a laboratory for flow turbulence in high-MHD. <i>Journal of Plasma Physics</i> , 1997 , 57, 1-34	2.7	233
237	Comparison of Interstellar Boundary Explorer observations with 3D global heliospheric models. <i>Science</i> , 2009 , 326, 966-8	33.3	190
236	Ulysses' return to the slow solar wind. <i>Geophysical Research Letters</i> , 1998 , 25, 1-4	4.9	185
235	PICK-UP IONS IN THE OUTER HELIOSHEATH: A POSSIBLE MECHANISM FOR THE INTERSTELLAR BOUNDARY EXplorer RIBBON. <i>Astrophysical Journal Letters</i> , 2010 , 708, L126-L130	7.9	180
234	Structures and spectral variations of the outer heliosphere in IBEX energetic neutral atom maps. <i>Science</i> , 2009 , 326, 964-6	33.3	171
233	The Interstellar Boundary Explorer High Energy (IBEX-Hi) Neutral Atom Imager. <i>Space Science Reviews</i> , 2009 , 146, 75-103	7.5	168
232	The IBEX-Lo Sensor. <i>Space Science Reviews</i> , 2009 , 146, 117-147	7.5	145
231	Width and variation of the ENA flux ribbon observed by the Interstellar Boundary Explorer. <i>Science</i> , 2009 , 326, 962-4	33.3	140
230	MHD turbulence in the Earth's plasma sheet: Dynamics, dissipation, and driving. <i>Journal of Geophysical Research</i> , 2003 , 108,		131

229	The Two Wide-angle Imaging Neutral-atom Spectrometers (TWINS) NASA Mission-of-Opportunity. <i>Space Science Reviews</i> , 2009 , 142, 157-231	7.5	127
228	SEPARATION OF THE INTERSTELLAR BOUNDARY EXPLORER RIBBON FROM GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX. <i>Astrophysical Journal</i> , 2011 , 731, 56	4.7	126
227	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> , 2016 , 121, 397-412	2.6	122
226	Role of solar wind turbulence in the coupling of the solar wind to the Earth's magnetosphere. <i>Journal of Geophysical Research</i> , 2003 , 108,		118
225	Wave-driven butterfly distribution of Van Allen belt relativistic electrons. <i>Nature Communications</i> , 2015 , 6, 8590	17.4	117
224	FIRST SKY MAP OF THE INNER HELIOSHEATH TEMPERATURE USING IBEX SPECTRA. <i>Astrophysical Journal</i> , 2011 , 734, 1	4.7	116
223	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , 2013 , 40, 4127-4132	4.9	115
222	LOCAL INTERSTELLAR MAGNETIC FIELD DETERMINED FROM THE INTERSTELLAR BOUNDARY EXPLORER RIBBON. <i>Astrophysical Journal Letters</i> , 2016 , 818, L18	7.9	113
221	Van Allen Probes observation of localized drift resonance between poloidal mode ultra-low frequency waves and 60 keV electrons. <i>Geophysical Research Letters</i> , 2013 , 40, 4491-4497	4.9	108
220	CIRCULARITY OF THE INTERSTELLAR BOUNDARY EXPLORER RIBBON OF ENHANCED ENERGETIC NEUTRAL ATOM (ENA) FLUX. <i>Astrophysical Journal</i> , 2013 , 776, 30	4.7	106
219	Direct observations of interstellar H, He, and O by the Interstellar Boundary Explorer. <i>Science</i> , 2009 , 326, 969-71	33.3	105
218	Energetic neutral atom imaging of the heliospheric boundary region. <i>Journal of Geophysical Research</i> , 2001 , 106, 15767-15781		104
217	THE FIRST THREE YEARS OF IBEX OBSERVATIONS AND OUR EVOLVING HELIOSPHERE. <i>Astrophysical Journal, Supplement Series</i> , 2012 , 203, 1	8	99
216	Lunar backscatter and neutralization of the solar wind: First observations of neutral atoms from the Moon. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	86
215	Global anisotropies in TeV cosmic rays related to the Sun's local galactic environment from IBEX. <i>Science</i> , 2014 , 343, 988-90	33.3	84
214	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3325-3332	2.6	82
213	Evolving outer heliosphere: Large-scale stability and time variations observed by the Interstellar Boundary Explorer. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		79
212	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> , 2014 , 119, 8288-8298	2.6	77

211	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> , 2014 , 215, 13	8	75
210	IBEX : THE FIRST FIVE YEARS (2009-2013). <i>Astrophysical Journal, Supplement Series</i> , 2014 , 213, 20	8	75
209	THE EFFECT OF NEW INTERSTELLAR MEDIUM PARAMETERS ON THE HELIOSPHERE AND ENERGETIC NEUTRAL ATOMS FROM THE INTERSTELLAR BOUNDARY. <i>Astrophysical Journal</i> , 2014 , 784, 73	4.7	74
208	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. <i>Geophysical Research Letters</i> , 2016 , 43, 3009-3016	4.9	73
207	THE HELIOTAIL REVEALED BY THE INTERSTELLAR BOUNDARY EXPLORER. <i>Astrophysical Journal</i> , 2013 , 771, 77	4.7	72
206	Ultrathin (~10 nm) carbon foils in space instrumentation. <i>Review of Scientific Instruments</i> , 2004 , 75, 4863-4870	4.7	65
205	Lunar surface composition and solar wind-induced secondary ion mass spectrometry. <i>Geophysical Research Letters</i> , 1991 , 18, 2165-2168	4.9	61
204	Implications of solar wind suprathermal tails for IBEX ENA images of the heliosheath. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		59
203	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	59
202	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. <i>Geophysical Research Letters</i> , 2016 , 43, 8867-8875	4.9	58
201	First medium energy neutral atom (MENA) Images of Earth's magnetosphere during substorm and storm-time. <i>Geophysical Research Letters</i> , 2001 , 28, 1147-1150	4.9	58
200	Seven Years of Imaging the Global Heliosphere with IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2017 , 229, 41	8	57
199	PRESSURE OF THE PROTON PLASMA IN THE INNER HELIOSHEATH. <i>Astrophysical Journal</i> , 2013 , 762, 134	4.7	56
198	Energetic neutral atoms from the Earth's subsolar magnetopause. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	56
197	THE INTERSTELLAR MAGNETIC FIELD CLOSE TO THE SUN. II.. <i>Astrophysical Journal</i> , 2012 , 760, 106	4.7	54
196	Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. <i>Nature Physics</i> , 2019 , 15, 367-372	16.2	53
195	Ultrathin foils used for low-energy neutral atom imaging of the terrestrial magnetosphere. <i>Optical Engineering</i> , 1993 , 32, 3090	1.1	52
194	IBEX observations of heliospheric energetic neutral atoms: Current understanding and future directions. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	51

193	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. <i>Geophysical Research Letters</i> , 2014 , 41, 4101-4108	4.9	50
192	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> , 2015 , 120, 7493-7511	2.6	50
191	Nonstorm time dynamics of electron radiation belts observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2014 , 41, 229-235	4.9	49
190	ANALYTIC MODEL OF THE IBEX RIBBON WITH NEUTRAL SOLAR WIND BASED ION PICKUP BEYOND THE HELIOPAUSE. <i>Astrophysical Journal</i> , 2013 , 766, 129	4.7	48
189	Neutral atom imaging of the magnetospheric cusps. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		48
188	Hydrated states of MgSO ₄ at equatorial latitudes on Mars. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	48
187	The source of O ⁺ in the storm time ring current. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5333-5349	2.6	47
186	Dipolarizing flux bundles in the cis-geosynchronous magnetosphere: Relationship between electric fields and energetic particle injections. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1362-1376	2.6	47
185	Response of 100% internal quantum efficiency silicon photodiodes to 200 eV-40 keV electrons. <i>IEEE Transactions on Nuclear Science</i> , 1997 , 44, 2561-2565	1.7	46
184	IMAGE, POLAR, and Geosynchronous Observations of Substorm and Ring Current Ion Injection. <i>Geophysical Monograph Series</i> , 2003 , 91-101	1.1	46
183	LOW ENERGY NEUTRAL ATOMS FROM THE HELIOSHEATH. <i>Astrophysical Journal</i> , 2014 , 784, 89	4.7	45
182	Magnetospheric imaging with low-energy neutral atoms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 9598-602	11.5	45
181	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> , 2017 , 836, 238	4.7	43
180	Nonstorm time dropout of radiation belt electron fluxes on 24 September 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6400-6416	2.6	43
179	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2015 , 42, 6170-6179	4.9	43
178	Two Wide-Angle Imaging Neutral-Atom Spectrometers and Interstellar Boundary Explorer energetic neutral atom imaging of the 5 April 2010 substorm. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		43
177	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> , 2014 , 119, 4266-4273	2.6	42
176	ENERGETIC NEUTRAL ATOMS MEASURED BY THE INTERSTELLAR BOUNDARY EXPLORER (IBEX): EVIDENCE FOR MULTIPLE HELIOSHEATH POPULATIONS. <i>Astrophysical Journal</i> , 2014 , 780, 98	4.7	42

175	PICK-UP ION DISTRIBUTIONS AND THEIR INFLUENCE ON ENERGETIC NEUTRAL ATOM SPECTRAL CURVATURE. <i>Astrophysical Journal</i> , 2012 , 751, 64	4.7	42
174	HELIOSPHERIC NEUTRAL ATOM SPECTRA BETWEEN 0.01 AND 6 keV FROM IBEX. <i>Astrophysical Journal</i> , 2012 , 754, 14	4.7	42
173	A POSSIBLE GENERATION MECHANISM FOR THE IBEX RIBBON FROM OUTSIDE THE HELIOSPHERE. <i>Astrophysical Journal Letters</i> , 2010 , 715, L84-L87	7.9	42
172	Energy loss of 150keV H, He, C, N, O, Ne, and Ar ions transmitted through thin carbon foils. <i>Review of Scientific Instruments</i> , 2006 , 77, 044501	1.7	38
171	Ring current electron dynamics during geomagnetic storms based on the Van Allen Probes measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3333-3346	2.6	38
170	Heliosphere Responds to a Large Solar Wind Intensification: Decisive Observations from IBEX. <i>Astrophysical Journal Letters</i> , 2018 , 856, L10	7.9	37
169	The impact of geocoronal density on ring current development. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 99, 92-103	2	36
168	CHARTING THE INTERSTELLAR MAGNETIC FIELD CAUSING THE INTERSTELLAR BOUNDARY EXPLORER (IBEX) RIBBON OF ENERGETIC NEUTRAL ATOMS. <i>Astrophysical Journal</i> , 2015 , 814, 112	4.7	36
167	SPECTRAL PROPERTIES OF REGIONS AND STRUCTURES IN THE INTERSTELLAR BOUNDARY EXPLORER (IBEX) SKY MAPS. <i>Astrophysical Journal</i> , 2011 , 734, 29	4.7	35
166	Fundamental limits to detection of low-energy ions using silicon solid-state detectors. <i>Applied Physics Letters</i> , 2004 , 84, 3552-3554	3.4	35
165	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> , 2015 , 42, 1012-1019	4.9	34
164	In situ observations of magnetosonic waves modulated by background plasma density. <i>Geophysical Research Letters</i> , 2017 , 44, 7628-7633	4.9	33
163	Absolute detection efficiency of space-based ion mass spectrometers and neutral atom imagers. <i>Review of Scientific Instruments</i> , 2005 , 76, 053301	1.7	33
162	Effect of local electric fields on microchannel plate detection of incident 20 keV protons. <i>Review of Scientific Instruments</i> , 1996 , 67, 145-154	1.7	33
161	EFFECTS OF FAST AND SLOW SOLAR WIND ON THE ENERGETIC NEUTRAL ATOM (ENA) SPECTRA MEASURED BY THE INTERSTELLAR BOUNDARY EXPLORER (IBEX) AT THE HELIOSPHERIC POLES. <i>Astrophysical Journal</i> , 2012 , 749, 50	4.7	33
160	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4232-4246		31
159	Topographic control of hydrogen deposits at low latitudes to midlatitudes of Mars. <i>Journal of Geophysical Research</i> , 2005 , 110,		31
158	First IBEX observations of the terrestrial plasma sheet and a possible disconnection event. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		30

157	COMPARISONS OF THE INTERSTELLAR MAGNETIC FIELD DIRECTIONS OBTAINED FROM THE IBEX RIBBON AND INTERSTELLAR POLARIZATIONS. <i>Astrophysical Journal</i> , 2010 , 724, 1473-1479	4.7	30
156	Gamma-ray and neutron spectrometer for the Dawn mission to 1 Ceres and 4 Vesta. <i>IEEE Transactions on Nuclear Science</i> , 2003 , 50, 1190-1197	1.7	30
155	Study of EMIC wave excitation using direct ion measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2702-2719	2.6	29
154	Origin of two-band chorus in the radiation belt of Earth. <i>Nature Communications</i> , 2019 , 10, 4672	17.4	29
153	Disappearance of plasmaspheric hiss following interplanetary shock. <i>Geophysical Research Letters</i> , 2015 , 42, 3129-3140	4.9	29
152	VARIATIONS IN THE HELIOSPHERIC POLAR ENERGETIC NEUTRAL ATOM FLUX OBSERVED BY THE INTERSTELLAR BOUNDARY EXPLORER. <i>Astrophysical Journal</i> , 2012 , 747, 110	4.7	29
151	SPECTRAL PROPERTIES OF ~0.5-6 keV ENERGETIC NEUTRAL ATOMS MEASURED BY THE INTERSTELLAR BOUNDARY EXPLORER (IBEX) ALONG THE LINES OF SIGHT OF VOYAGER. <i>Astrophysical Journal Letters</i> , 2012 , 749, L30	7.9	28
150	Energy loss by keV ions in silicon. <i>Physical Review Letters</i> , 2004 , 92, 213201	7.4	28
149	Tail-dominated storm main phase: 31 March 2001. <i>Journal of Geophysical Research</i> , 2003 , 108,		28
148	Simultaneous disappearances of plasmaspheric hiss, exohiss, and chorus waves triggered by a sudden decrease in solar wind dynamic pressure. <i>Geophysical Research Letters</i> , 2017 , 44, 52-61	4.9	27
147	GEOMETRY AND CHARACTERISTICS OF THE HELIOSHEATH REVEALED IN THE FIRST FIVE YEARS OF INTERSTELLAR BOUNDARY EXPLORER OBSERVATIONS. <i>Astrophysical Journal</i> , 2016 , 826, 58	4.7	27
146	Solar Cycle of Imaging the Global Heliosphere: Interstellar Boundary Explorer (IBEX) Observations from 2009-2019. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 248, 26	8	26
145	Van Allen Probes observations of direct wave-particle interactions. <i>Geophysical Research Letters</i> , 2014 , 41, 1869-1875	4.9	26
144	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> , 2014 , 119, 10,023	2.6	25
143	IBEX Backgrounds and Signal-to-Noise Ratio. <i>Space Science Reviews</i> , 2009 , 146, 173-206	7.5	25
142	THE ROLL-OVER OF HELIOSPHERIC NEUTRAL HYDROGEN BELOW 100 eV: OBSERVATIONS AND IMPLICATIONS. <i>Astrophysical Journal</i> , 2016 , 821, 107	4.7	25
141	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> , 2018 , 239, 1	8	25
140	Cold Ion Heating by Magnetosonic Waves in a Density Cavity of the Plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1242-1250	2.6	24

139	IBEX-Lo observations of energetic neutral hydrogen atoms originating from the lunar surface. <i>Planetary and Space Science</i> , 2012 , 60, 297-303	2	24
138	The plasma environment inside geostationary orbit: A Van Allen Probes HOPE survey. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9207-9227	2.6	24
137	Ulysses measurements of variations in the solar wind-interstellar hydrogen charge exchange rate. <i>Geophysical Research Letters</i> , 1999 , 26, 2701-2704	4.9	24
136	Shell effects observed in exit charge state distribution of 1B0 keV atomic projectiles transiting ultrathin carbon foils. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 80-81, 49-52	1.2	24
135	Carbon foils for space plasma instrumentation. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3931-3950	2.6	24
134	Penetration of magnetosonic waves into the plasmasphere observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2015 , 42, 7287-7294	4.9	23
133	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> , 2017 , 122, 475-492	2.6	22
132	Excitation of nightside magnetosonic waves observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9125-9133	2.6	22
131	Hybrid simulations of the termination shock: Suprathermal ion velocity distributions in the heliosheath. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		22
130	The Interstellar Boundary Explorer Science Operations Center. <i>Space Science Reviews</i> , 2009 , 146, 207-234	4.5	22
129	Technical comment on "Hydrogen mapping of the lunar South Pole using the LRO neutron detector experiment LEND". <i>Science</i> , 2011 , 334, 1058-c	33.3	22
128	TRACKING THE SOLAR CYCLE THROUGH IBEX OBSERVATIONS OF ENERGETIC NEUTRAL ATOM FLUX VARIATIONS AT THE HELIOSPHERIC POLES. <i>Astrophysical Journal</i> , 2016 , 833, 277	4.7	22
127	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9969-9982	2.6	21
126	Reflection of solar wind hydrogen from the lunar surface. <i>Journal of Geophysical Research E: Planets</i> , 2013 , 118, 292-305	4.1	21
125	A positive correlation between energetic electron butterfly distributions and magnetosonic waves in the radiation belt slot region. <i>Geophysical Research Letters</i> , 2017 , 44, 3980-3990	4.9	20
124	Lunar energetic neutral atom (ENA) spectra measured by the interstellar boundary explorer (IBEX). <i>Planetary and Space Science</i> , 2013 , 85, 232-242	2	20
123	Trunk-like heavy ion structures observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8738-8748	2.6	20
122	Performance of orbital neutron instruments for spatially resolved hydrogen measurements of airless planetary bodies. <i>Astrobiology</i> , 2010 , 10, 183-200	3.7	20

121	Combined Ulysses solar wind and SOHO coronal observations of several west limb coronal mass ejections. <i>Journal of Geophysical Research</i> , 1999 , 104, 6679-6689		20
120	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> , 2017 , 122, 368-392	2.6	19
119	Plasma Experiment for Planetary Exploration (PEPE). <i>Space Science Reviews</i> , 2007 , 129, 327-357	7.5	19
118	Mean secondary electron yield of avalanche electrons in the channels of a microchannel plate detector. <i>Review of Scientific Instruments</i> , 1996 , 67, 3478-3482	1.7	19
117	DISTANCE TO THE IBEX RIBBON SOURCE INFERRED FROM PARALLAX. <i>Astrophysical Journal</i> , 2016 , 823, 119	4.7	19
116	THE SOLAR WIND AS A POSSIBLE SOURCE OF FAST TEMPORAL VARIATIONS OF THE HELIOSPHERIC RIBBON. <i>Astrophysical Journal</i> , 2013 , 776, 109	4.7	18
115	Response of 100% internal carrier collection efficiency silicon photodiodes to low-energy ions. <i>IEEE Transactions on Nuclear Science</i> , 2001 , 48, 1785-1789	1.7	18
114	Ion nose spectral structures observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 12,025-12,046	2.6	18
113	Simultaneous Trapping of Electromagnetic Ion Cyclotron and Magnetosonic Waves by Background Plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1635-1643	2.6	17
112	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> , 2018 , 123, 5334-5343	2.6	17
111	The Downwind Hemisphere of the Heliosphere: Eight Years of IBEX-Lo Observations. <i>Astrophysical Journal</i> , 2017 , 851, 2	4.7	17
110	Storm-time plasma signatures observed by IMAGE/MENA and comparison with a global physics-based model. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	17
109	Rapid flattening of butterfly pitch angle distributions of radiation belt electrons by whistler-mode chorus. <i>Geophysical Research Letters</i> , 2016 , 43, 8339-8347	4.9	17
108	Global Distribution of Proton Rings and Associated Magnetosonic Wave Instability in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2018 , 45, 10,160-10,166	4.9	17
107	Expanding Global Features in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019 , 872, 127	4.7	16
106	In situ evidence of the modification of the parallel propagation of EMIC waves by heated He ⁺ ions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6711-6717	2.6	16
105	CAN IBEX IDENTIFY VARIATIONS IN THE GALACTIC ENVIRONMENT OF THE SUN USING ENERGETIC NEUTRAL ATOMS?. <i>Astrophysical Journal</i> , 2010 , 719, 1984-1992	4.7	16
104	Deep Space 1 encounter with Comet 19P/Borrelly: Ion composition measurements by the PEPE mass spectrometer. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	16

103	Interactions of slow H, H ₂ , and H ₃ with thin carbon foils. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1994 , 90, 24-28	1.2	16
102	Generation of extremely low frequency chorus in Van Allen radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3201-3211	2.6	15
101	The complex nature of storm-time ion dynamics: Transport and local acceleration. <i>Geophysical Research Letters</i> , 2016 , 43, 10,059-10,067	4.9	15
100	Chorus Wave Modulation of Langmuir Waves in the Radiation Belts. <i>Geophysical Research Letters</i> , 2017 , 44, 11,713-11,721	4.9	15
99	Global view of inner magnetosphere composition during storm time. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7074-7084	2.6	15
98	Mars odyssey neutron sensing of the south residual polar cap. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	15
97	Thickness uniformity and pinhole density analysis of thin carbon foils using incident keV ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992 , 66, 470-478	1.2	15
96	Prompt enhancement of the Earth's outer radiation belt due to substorm electron injections. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,826-11,838	2.6	15
95	The relationship between the plasmopause and outer belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8392-8416	2.6	15
94	Solar wind reflection from the lunar surface: The view from far and near. <i>Planetary and Space Science</i> , 2013 , 84, 1-4	2	14
93	Van Allen Probes observations linking radiation belt electrons to chorus waves during 2014 multiple storms. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 938-948	2.6	14
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