

# David J Mccomas

## List of Publications by Year in descending order

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745  
papers

37,935  
citations

2669

95  
h-index

6818

155  
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755  
all docs

755  
docs citations

755  
times ranked

7381  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Solar Probe Plus Mission: Humanity's First Visit to Our Star. <i>Space Science Reviews</i> , 2016, 204, 7-48.	3.7	821
2	Geomagnetic activity associated with earth passage of interplanetary shock disturbances and coronal mass ejections. <i>Journal of Geophysical Research</i> , 1991, 96, 7831-7839.	3.3	562
3	The FIELDS Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	3.7	521
4	Global Observations of the Interstellar Interaction from the Interstellar Boundary Explorer (IBEX). <i>Science</i> , 2009, 326, 959-962.	6.0	461
5	Cassini Plasma Spectrometer Investigation. <i>Space Science Reviews</i> , 2004, 114, 1-112.	3.7	452
6	Solar Wind Electrons Alphas and Protons (SWEAP) Investigation: Design of the Solar Wind and Coronal Plasma Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 131-186.	3.7	439
7	Solar wind observations over Ulysses' first full polar orbit. <i>Journal of Geophysical Research</i> , 2000, 105, 10419-10433.	3.3	421
8	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , 2015, 350, aad1815.	6.0	407
9	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	13.7	401
10	Electron velocity distributions near the Earth's bow shock. <i>Journal of Geophysical Research</i> , 1983, 88, 96-110.	3.3	396
11	Weaker solar wind from the polar coronal holes and the whole Sun. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	390
12	Beyond kappa distributions: Exploiting Tsallis statistical mechanics in space plasmas. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	323
13	Direct evidence for magnetic reconnection in the solar wind near 1 AU. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	318
14	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. <i>Nature</i> , 2019, 576, 228-231.	13.7	311
15	Radial evolution of the electron distribution functions in the fast solar wind between 0.3 and 1.5 AU. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	308
16	IBEX's Interstellar Boundary Explorer. <i>Space Science Reviews</i> , 2009, 146, 11-33.	3.7	305
17	Understanding Kappa Distributions: A Toolbox for Space Science and Astrophysics. <i>Space Science Reviews</i> , 2013, 175, 183-214.	3.7	293
18	Ulysses solar wind plasma observations from pole to pole. <i>Geophysical Research Letters</i> , 1995, 22, 3301-3304.	1.5	291

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19	Composition and Dynamics of Plasma in Saturn's Magnetosphere. <i>Science</i> , 2005, 307, 1262-1266.	6.0	281
20	A magnetic reconnection X-line extending more than 390 Earth radii in the solar wind. <i>Nature</i> , 2006, 439, 175-178.	13.7	281
21	Structure of the magnetotail at 220 $R_E$ and its response to geomagnetic activity. <i>Geophysical Research Letters</i> , 1984, 11, 5-7.	1.5	256
22	Ulysses' return to the slow solar wind. <i>Geophysical Research Letters</i> , 1998, 25, 1-4.	1.5	250
23	The three-dimensional solar wind around solar maximum. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	239
24	Coronal mass ejections and large geomagnetic storms. <i>Geophysical Research Letters</i> , 1990, 17, 901-904.	1.5	229
25	Predicting interplanetary magnetic field (IMF) propagation delay times using the minimum variance technique. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	229
26	The Interstellar Boundary Explorer High Energy (IBEX-Hi) Neutral Atom Imager. <i>Space Science Reviews</i> , 2009, 146, 75-103.	3.7	226
27	The Heliosphere's Interstellar Interaction: No Bow Shock. <i>Science</i> , 2012, 336, 1291-1293.	6.0	226
28	Magnetospheric plasma analyzer for spacecraft with constrained resources. <i>Review of Scientific Instruments</i> , 1993, 64, 1026-1033.	0.6	225
29	The heliospheric plasma sheet. <i>Journal of Geophysical Research</i> , 1994, 99, 6667.	3.3	222
30	Comparison of Interstellar Boundary Explorer Observations with 3D Global Heliospheric Models. <i>Science</i> , 2009, 326, 966-968.	6.0	221
31	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016, 351, 1284-1293.	6.0	219
32	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.	3.0	212
33	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	6.0	201
34	Structures and Spectral Variations of the Outer Heliosphere in IBEX Energetic Neutral Atom Maps. <i>Science</i> , 2009, 326, 964-966.	6.0	198
35	Ulysses observations of a recurrent high speed solar wind stream and the heliomagnetic streamer belt. <i>Geophysical Research Letters</i> , 1993, 20, 2323-2326.	1.5	188
36	Characteristic plasma properties during dispersionless substorm injections at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1997, 102, 2309-2324.	3.3	188

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37	The Jovian Auroral Distributions Experiment (JADE) on the Juno Mission to Jupiter. Space Science Reviews, 2017, 213, 547-643.	3.7	187
38	Comet Giacobini-Zinner: Plasma Description. Science, 1986, 232, 356-361.	6.0	185
39	Ulysses Solar Wind Plasma Observations at High Southerly Latitudes. Science, 1995, 268, 1030-1033.	6.0	185
40	Extremely high speed solar wind: 29â€“30 October 2003. Journal of Geophysical Research, 2004, 109, .	3.3	185
41	Plasma sheet access to geosynchronous orbit. Journal of Geophysical Research, 1999, 104, 25047-25061.	3.3	176
42	Substorm electron injections: Geosynchronous observations and test particle simulations. Journal of Geophysical Research, 1998, 103, 9235-9248.	3.3	172
43	The IBEX-Lo Sensor. Space Science Reviews, 2009, 146, 117-147.	3.7	171
44	The Two Wide-angle Imaging Neutral-atom Spectrometers (TWINS) NASA Mission-of-Opportunity. Space Science Reviews, 2009, 142, 157-231.	3.7	170
45	Width and Variation of the ENA Flux Ribbon Observed by the Interstellar Boundary Explorer. Science, 2009, 326, 962-964.	6.0	166
46	WEAKEST SOLAR WIND OF THE SPACE AGE AND THE CURRENT â€œMINIâ€•SOLAR MAXIMUM. Astrophysical Journal, 2013, 779, 2.	1.6	166
47	Field line draping about fast coronal mass ejecta: A source of strong outâ€“ofâ€“theâ€“ecliptic interplanetary magnetic fields. Geophysical Research Letters, 1987, 14, 355-358.	1.5	163
48	Magnetospheric Science Objectives of the Juno Mission. Space Science Reviews, 2017, 213, 219-287.	3.7	163
49	MICROSTRUCTURE OF THE HELIOSPHERIC TERMINATION SHOCK: IMPLICATIONS FOR ENERGETIC NEUTRAL ATOM OBSERVATIONS. Astrophysical Journal, 2010, 708, 1092-1106.	1.6	161
50	INTERSTELLAR GAS FLOW PARAMETERS DERIVED FROM INTERSTELLAR BOUNDARY EXPLORER-Lo OBSERVATIONS IN 2009 AND 2010: ANALYTICAL ANALYSIS. Astrophysical Journal, Supplement Series, 2012, 198, 11.	3.0	160
51	Magnetospheric plasma analyzer: Initial threeâ€“spacecraft observations from geosynchronous orbit. Journal of Geophysical Research, 1993, 98, 13453-13465.	3.3	159
52	HELIOSPHERIC STRUCTURE: THE BOW WAVE AND THE HYDROGEN WALL. Astrophysical Journal, 2013, 763, 20.	1.6	154
53	SEPARATION OF THE INTERSTELLAR BOUNDARY EXPLORER RIBBON FROM GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX. Astrophysical Journal, 2011, 731, 56.	1.6	153
54	LOCAL INTERSTELLAR MAGNETIC FIELD DETERMINED FROM THE INTERSTELLAR BOUNDARY EXPLORER RIBBON. Astrophysical Journal Letters, 2016, 818, L18.	3.0	153

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55	Latitudinal variation of solar wind corotating stream interaction regions: Ulysses. Geophysical Research Letters, 1993, 20, 2789-2792.	1.5	148
56	Solar Wind Electron Proton Alpha Monitor (SWEPAM) for the Advanced Composition Explorer. , 1998, , 563-612.		147
57	Substorm ion injections: Geosynchronous observations and test particle orbits in three-dimensional dynamic MHD fields. Journal of Geophysical Research, 1997, 102, 2325-2341.	3.3	145
58	NEUTRAL INTERSTELLAR HELIUM PARAMETERS BASED ON IBEX-Lo OBSERVATIONS AND TEST PARTICLE CALCULATIONS. Astrophysical Journal, Supplement Series, 2012, 198, 12.	3.0	145
59	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. Space Science Reviews, 2016, 204, 187-256.	3.7	139
60	INVARIANT KAPPA DISTRIBUTION IN SPACE PLASMAS OUT OF EQUILIBRIUM. Astrophysical Journal, 2011, 741, 88.	1.6	138
61	Magnetospheric plasma pressures in the midnight meridian: Observations from 2.5 to 35 $R_{\text{E}}$ . Journal of Geophysical Research, 1989, 94, 5264-5272.	3.3	137
62	Direct Observations of Interstellar H, He, and O by the Interstellar Boundary Explorer. Science, 2009, 326, 969-971.	6.0	135
63	Evidence for slow-mode shocks in the deep geomagnetic tail. Geophysical Research Letters, 1984, 11, 599-602.	1.5	134
64	The average magnetic field draping and consistent plasma properties of the Venus magnetotail. Journal of Geophysical Research, 1986, 91, 7939-7953.	3.3	133
65	The near-Earth cross-tail current sheet: Detailed ISEE 1 and 2 case studies. Journal of Geophysical Research, 1986, 91, 4287-4301.	3.3	132
66	FIRST SKY MAP OF THE INNER HELIOSHEATH TEMPERATURE USING IBEX SPECTRA. Astrophysical Journal, 2011, 734, 1.	1.6	132
67	An auroral flare at Jupiter. Nature, 2001, 410, 787-789.	13.7	130
68	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. Space Science Reviews, 2018, 214, 1.	3.7	129
69	LOCAL INTERSTELLAR MEDIUM: SIX YEARS OF DIRECT SAMPLING BY IBEX. Astrophysical Journal, Supplement Series, 2015, 220, 22.	3.0	128
70	Ulysses at 50° south: constant immersion in the high-speed solar wind. Geophysical Research Letters, 1994, 21, 1105-1108.	1.5	126
71	Evolution of the Earth's distant magnetotail: ISEE 3 electron plasma results. Journal of Geophysical Research, 1984, 89, 11007-11012.	3.3	125
72	The transport of plasma sheet material from the distant tail to geosynchronous orbit. Journal of Geophysical Research, 1998, 103, 20297-20331.	3.3	123

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73	An explanation of the Voyager paradox: Particle acceleration at a blunt termination shock. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	123
74	Energetic neutral atom imaging of the heliospheric boundary region. <i>Journal of Geophysical Research</i> , 2001, 106, 15767-15781.	3.3	122
75	Effects of a high-density plasma sheet on ring current development during the November 2-6, 1993, magnetic storm. <i>Journal of Geophysical Research</i> , 1998, 103, 26285-26305.	3.3	121
76	CIRCULARITY OF THE <i>INTERSTELLAR BOUNDARY EXPLORER</i> RIBBON OF ENHANCED ENERGETIC NEUTRAL ATOM (ENA) FLUX. <i>Astrophysical Journal</i> , 2013, 776, 30.	1.6	121
77	Electron Heating Within the Earth's Bow Shock. <i>Physical Review Letters</i> , 1982, 49, 199-201.	2.9	120
78	A new class of forward-reverse shock pairs in the solar wind. <i>Geophysical Research Letters</i> , 1994, 21, 2271-2274.	1.5	119
79	Ion and neutral sources and sinks within Saturn's inner magnetosphere: Cassini results. <i>Planetary and Space Science</i> , 2008, 56, 3-18.	0.9	119
80	SCATTER-FREE PICKUP IONS BEYOND THE HELIOPAUSE AS A MODEL FOR THE <i>INTERSTELLAR BOUNDARY EXPLORER</i> RIBBON. <i>Astrophysical Journal Letters</i> , 2010, 716, L99-L102.	3.0	119
81	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, .	3.3	117
82	Imaging the Interaction of the Heliosphere with the Interstellar Medium from Saturn with Cassini. <i>Science</i> , 2009, 326, 971-973.	6.0	114
83	THE FIRST THREE YEARS OF <i>IBEX</i> OBSERVATIONS AND OUR EVOLVING HELIOSPHERE. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 1.	3.0	114
84	Initial results from the New Horizons exploration of 2014 MU <sub>69</sub> , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	6.0	113
85	October 1995 magnetic cloud and accompanying storm activity: Ring current evolution. <i>Journal of Geophysical Research</i> , 1998, 103, 79-92.	3.3	112
86	Electron heat flux dropouts in the solar wind: Evidence for interplanetary magnetic field reconnection?. <i>Journal of Geophysical Research</i> , 1989, 94, 6907-6916.	3.3	111
87	EXPLORING TRANSITIONS OF SPACE PLASMAS OUT OF EQUILIBRIUM. <i>Astrophysical Journal</i> , 2010, 714, 971-987.	1.6	111
88	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. <i>Science</i> , 2017, 356, 826-832.	6.0	109
89	Lunar backscatter and neutralization of the solar wind: First observations of neutral atoms from the Moon. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	108
90	Plasma regimes in the deep geomagnetic tail: ISEE 3. <i>Geophysical Research Letters</i> , 1983, 10, 912-915.	1.5	103

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91	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019, 576, 223-227.	13.7	103
92	The Solar Wind Around Pluto (SWAP) Instrument Aboard New Horizons. <i>Space Science Reviews</i> , 2008, 140, 261-313.	3.7	102
93	Variable time delays in the propagation of the interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 29-1-SMP 29-15.	3.3	101
94	Ulysses observations of microstreams in the solar wind from coronal holes. <i>Journal of Geophysical Research</i> , 1995, 100, 23389.	3.3	99
95	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM <i>IBEX</i> OBSERVATIONS. III. MACH NUMBER OF THE FLOW, VELOCITY VECTOR, AND TEMPERATURE FROM THE FIRST SIX YEARS OF MEASUREMENTS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 28.	3.0	99
96	Global Anisotropies in TeV Cosmic Rays Related to the Sun's Local Galactic Environment from IBEX. <i>Science</i> , 2014, 343, 988-990.	6.0	98
97	SPATIAL RETENTION OF IONS PRODUCING THE <i>IBEX</i> RIBBON. <i>Astrophysical Journal</i> , 2013, 764, 92.	1.6	97
98	SEPARATION OF THE RIBBON FROM GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX USING THE FIRST FIVE YEARS OF <i>IBEX</i> OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 215, 13.	3.0	97
99	The Thermal Ion Dynamics Experiment and Plasma Source Instrument. <i>Space Science Reviews</i> , 1995, 71, 409-458.	3.7	96
100	Cassini observations of Saturn's inner plasmasphere: Saturn orbit insertion results. <i>Planetary and Space Science</i> , 2006, 54, 1197-1210.	0.9	95
101	A forward-reverse shock pair in the solar wind driven by over-expansion of a coronal mass ejection: Ulysses observations. <i>Geophysical Research Letters</i> , 1994, 21, 237-240.	1.5	93
102	THREE-DIMENSIONAL FEATURES OF THE OUTER HELIOSPHERE DUE TO COUPLING BETWEEN THE INTERSTELLAR AND INTERPLANETARY MAGNETIC FIELDS. IV. SOLAR CYCLE MODEL BASED ON <i>ULYSSES</i> OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 772, 2.	1.6	93
103	Evolution of plasmaspheric ions at geosynchronous orbit during times of high geomagnetic activity. <i>Geophysical Research Letters</i> , 1996, 23, 2189-2192.	1.5	92
104	Evolving outer heliosphere: Large-scale stability and time variations observed by the Interstellar Boundary Explorer. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	92
105	Detailed examination of a plasmoid in the distant magnetotail with ISEE 3. <i>Geophysical Research Letters</i> , 1984, 11, 1046-1049.	1.5	91
106	Ulysses observation of a noncoronal mass ejection flux rope: Evidence of interplanetary magnetic reconnection. <i>Journal of Geophysical Research</i> , 1995, 100, 19903.	3.3	90
107	High-Altitude Observations of the Polar Wind. <i>Science</i> , 1997, 277, 349-351.	6.0	90
108	Ulysses' second fast-latitude scan: Complexity near solar maximum and the reformation of polar coronal holes. <i>Geophysical Research Letters</i> , 2002, 29, 4-1-4-4.	1.5	90

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109	THE HELIOTAIL REVEALED BY THE<i>INTERSTELLAR BOUNDARY EXPLORER</i>. <i>Astrophysical Journal</i> , 2013, 771, 77.	1.6	90
110	WARMER LOCAL INTERSTELLAR MEDIUM: A POSSIBLE RESOLUTION OF THE<i>ULYSSES</i>-<i>IBEX</i>ENIGMA. <i>Astrophysical Journal</i> , 2015, 801, 28.	1.6	90
111	Juno observations of energetic charged particles over Jupiter's polar regions: Analysis of monodirectional and bidirectional electron beams. <i>Geophysical Research Letters</i> , 2017, 44, 4410-4418.	1.5	90
112	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. <i>Icarus</i> , 2018, 300, 174-199.	1.1	90
113	<i>IBEX</i> : THE FIRST FIVE YEARS (2009-2013). <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 20.	3.0	89
114	Overexpanding coronal mass ejections at high heliographic latitudes: Observations and simulations. <i>Journal of Geophysical Research</i> , 1998, 103, 1941-1954.	3.3	86
115	Ulysses in the south polar cap at solar maximum: Heliospheric magnetic field. <i>Geophysical Research Letters</i> , 2001, 28, 4159-4162.	1.5	86
116	Jupiter: A fundamentally different magnetospheric interaction with the solar wind. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	86
117	The Pickup Ion-mediated Solar Wind. <i>Astrophysical Journal</i> , 2018, 869, 23.	1.6	86
118	Understanding coronal heating and solar wind acceleration: Case for in situ near-Sun measurements. <i>Reviews of Geophysics</i> , 2007, 45, .	9.0	85
119	Heliolatitude and Time Variations of Solar Wind Structure from in situ Measurements and Interplanetary Scintillation Observations. <i>Solar Physics</i> , 2013, 285, 167-200.	1.0	85
120	Solar Wind Scaling Law. <i>Astrophysical Journal</i> , 2003, 599, 1395-1403.	1.6	84
121	Magnetospheric imaging with low-energy neutral atoms.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 9598-9602.	3.3	83
122	TRACKING CORONAL FEATURES FROM THE LOW CORONA TO EARTH: A QUANTITATIVE ANALYSIS OF THE 2008 DECEMBER 12 CORONAL MASS EJECTION. <i>Astrophysical Journal</i> , 2013, 769, 43.	1.6	83
123	Jupiter's Magnetosphere: Plasma Description from the Ulysses Flyby. <i>Science</i> , 1992, 257, 1539-1543.	6.0	82
124	Preliminary interpretation of Titan plasma interaction as observed by the Cassini Plasma Spectrometer: Comparisons with Voyager 1. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	82
125	Initial interpretation of Titan plasma interaction as observed by the Cassini plasma spectrometer: Comparisons with Voyager 1. <i>Planetary and Space Science</i> , 2006, 54, 1211-1224.	0.9	82
126	Counterstreaming suprathermal electron events upstream of corotating shocks in the solar wind beyond $\hat{1}/2$ Au: Ulysses. <i>Geophysical Research Letters</i> , 1993, 20, 2335-2338.	1.5	81

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127	Magnetic disconnection from the Sun: Observations of a reconnection exhaust in the solar wind at the heliospheric current sheet. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	81
128	DETERMINATION OF INTERSTELLAR He PARAMETERS USING FIVE YEARS OF DATA FROM THE <i>IBEX</i> : BEYOND CLOSED FORM APPROXIMATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 25.	3.0	81
129	The superdense plasma sheet: Plasmaspheric origin, solar wind origin, or ionospheric origin?. <i>Journal of Geophysical Research</i> , 1997, 102, 22089-22097.	3.3	80
130	Diverse Plasma Populations and Structures in Jupiter's Magnetotail. <i>Science</i> , 2007, 318, 217-220.	6.0	80
131	IBEX's Enigmatic Ribbon in the sky and its many possible sources. <i>Reviews of Geophysics</i> , 2014, 52, 118-155.	9.0	79
132	Seven Years of Imaging the Global Heliosphere with IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 41.	3.0	79
133	Discrete and broadband electron acceleration in Jupiter's powerful aurora. <i>Nature</i> , 2017, 549, 66-69.	13.7	79
134	A test of magnetic field draping induced $B_z$ perturbations ahead of fast coronal mass ejecta. <i>Journal of Geophysical Research</i> , 1989, 94, 1465-1471.	3.3	78
135	An examination of the structure and dynamics of the outer plasmasphere using multiple geosynchronous satellites. <i>Journal of Geophysical Research</i> , 1994, 99, 11475.	3.3	78
136	A prolonged He <sup>+</sup> enhancement within a coronal mass ejection in the solar wind. <i>Geophysical Research Letters</i> , 1999, 26, 161-164.	1.5	78
137	WARM BREEZE FROM THE STARBOARD BOW: A NEW POPULATION OF NEUTRAL HELIUM IN THE HELIOSPHERE. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 29.	3.0	77
138	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	6.0	76
139	Hot proton anisotropies and cool proton temperatures in the outer magnetosphere. <i>Journal of Geophysical Research</i> , 1994, 99, 23603.	3.3	75
140	Interplanetary magnetic field draping about fast coronal mass ejecta in the outer heliosphere. <i>Journal of Geophysical Research</i> , 1988, 93, 2519-2526.	3.3	74
141	Lunar surface composition and solar wind-induced secondary ion mass spectrometry. <i>Geophysical Research Letters</i> , 1991, 18, 2165-2168.	1.5	74
142	New Horizons: Anticipated Scientific Investigations at the Pluto System. <i>Space Science Reviews</i> , 2008, 140, 93-127.	3.7	74
143	Plasma entry into the distant tail lobes: ISEE-3. <i>Geophysical Research Letters</i> , 1984, 11, 1078-1081.	1.5	71
144	Correlated dynamical changes in the near-Earth and distant magnetotail regions: ISEE 3. <i>Journal of Geophysical Research</i> , 1984, 89, 3855-3864.	3.3	71

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145	The fine-scale structure of the outer plasmasphere. <i>Journal of Geophysical Research</i> , 1995, 100, 8021.	3.3	71
146	The band of solar wind variability at low heliographic latitudes near solar activity minimum: Plasma results from the Ulysses rapid latitude scan. <i>Geophysical Research Letters</i> , 1995, 22, 3329-3332.	1.5	71
147	Absence of energetic particle effects associated with magnetic reconnection exhausts in the solar wind. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	71
148	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM IBEX OBSERVATIONS. IV. FLOW VECTOR, MACH NUMBER, AND ABUNDANCE OF THE WARM BREEZE. <i>Astrophysical Journal, Supplement Series</i> , 2016, 223, 25.	3.0	71
149	Ultrathin ( $\sim 10$ nm) carbon foils in space instrumentation. <i>Review of Scientific Instruments</i> , 2004, 75, 4863-4870.	0.6	70
150	Direct evidence for prolonged magnetic reconnection at a continuous x-line within the heliospheric current sheet. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	70
151	A CME-driven solar wind disturbance observed at both low and high heliographic latitudes. <i>Geophysical Research Letters</i> , 1995, 22, 1753-1756.	1.5	69
152	Multiple magnetic reconnection sites associated with a coronal mass ejection in the solar wind. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	69
153	A ONE-SIDED ASPECT OF ALFVENIC FLUCTUATIONS IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2009, 695, L213-L216.	1.6	68
154	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.	1.5	68
155	A time-dependent, three-dimensional MHD numerical study of interplanetary magnetic draping around plasmoids in the solar wind. <i>Journal of Geophysical Research</i> , 1991, 96, 9531-9540.	3.3	67
156	Variability of the ring current source population. <i>Geophysical Research Letters</i> , 1998, 25, 3481-3484.	1.5	67
157	Implications of solar wind suprathermal tails for IBEX ENA images of the heliosheath. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	67
158	Ulysses' Second Orbit: Remarkably Different Solar Wind. <i>Space Science Reviews</i> , 2001, 97, 99-103.	3.7	66
159	Petschek-type Reconnection Exhausts in the Solar Wind Well beyond 1 AU:Ulysses. <i>Astrophysical Journal</i> , 2006, 644, 613-621.	1.6	66
160	Determining the LIC H density from the solar wind slowdown. <i>Astronomy and Astrophysics</i> , 2008, 491, 1-5.	2.1	66
161	Energetic neutral atoms from the Earth's subsolar magnetopause. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	66
162	PRESSURE OF THE PROTON PLASMA IN THE INNER HELIOSHEATH. <i>Astrophysical Journal</i> , 2013, 762, 134.	1.6	65

#	ARTICLE	IF	CITATIONS
163	Helium energetics in the high-latitude solar wind: Ulysses observations. <i>Journal of Geophysical Research</i> , 2001, 106, 5693-5708.	3.3	64
164	IBEX observations of heliospheric energetic neutral atoms: Current understanding and future directions. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	64
165	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	6.0	64
166	Global hybrid simulation of the solar wind interaction with the dayside of Venus. <i>Journal of Geophysical Research</i> , 1991, 96, 7779-7791.	3.3	63
167	Counterstreaming solar wind halo electron events: Solar cycle variations. <i>Journal of Geophysical Research</i> , 1992, 97, 6531-6535.	3.3	63
168	Decades-Long Changes of the Interstellar Wind Through Our Solar System. <i>Science</i> , 2013, 341, 1080-1082.	6.0	63
169	Two-satellite observations of substorm injections at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2001, 106, 8405-8416.	3.3	62
170	Reply to comment by S. W. H. Cowley et al. on "Jupiter: A fundamentally different magnetospheric interaction with the solar wind" <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	62
171	Switchbacks Explained: Super-Parker Fields" The Other Side of the Sub-Parker Spiral. <i>Astrophysical Journal</i> , 2021, 909, 95.	1.6	62
172	Structures in the polar solar wind: Plasma and field observations from Ulysses. <i>Journal of Geophysical Research</i> , 1995, 100, 19893.	3.3	61
173	Measurements of early and late time plasmasphere refilling as observed from geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1999, 104, 14691-14704.	3.3	61
174	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.	1.5	61
175	The Galactic Environment of the Sun: Interstellar Material Inside and Outside of the Heliosphere. <i>Space Science Reviews</i> , 2009, 146, 235-273.	3.7	61
176	<i>INTERSTELLAR BOUNDARY EXPLORER</i> MEASUREMENTS AND MAGNETIC FIELD IN THE VICINITY OF THE HELIOPAUSE. <i>Astrophysical Journal</i> , 2011, 742, 104.	1.6	61
177	Electron beams and loss cones in the auroral regions of Jupiter. <i>Geophysical Research Letters</i> , 2017, 44, 7131-7139.	1.5	61
178	The underlying Parker spiral structure in the Ulysses magnetic field observations, 1990-1994. <i>Journal of Geophysical Research</i> , 1996, 101, 395-403.	3.3	60
179	An observational test of the Tsyganenko (T89a) model of the magnetospheric field. <i>Journal of Geophysical Research</i> , 1996, 101, 24827-24836.	3.3	60
180	The Sun and Heliosphere at Solar Maximum. <i>Science</i> , 2003, 302, 1165-1169.	6.0	60

#	ARTICLE	IF	CITATIONS
181	NON-EQUILIBRIUM THERMODYNAMIC PROCESSES: SPACE PLASMAS AND THE INNER HELIOSHEATH. <i>Astrophysical Journal</i> , 2012, 749, 11.	1.6	60
182	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016, 351, aad9045.	6.0	60
183	Solar wind Halo electrons from 1–4 AU. <i>Geophysical Research Letters</i> , 1992, 19, 1291-1294.	1.5	59
184	LOCAL INTERSTELLAR NEUTRAL HYDROGEN SAMPLED IN SITU BY <i>IBEX</i> . <i>Astrophysical Journal, Supplement Series</i> , 2012, 198, 14.	3.0	59
185	Characterizing the dayside magnetosheath using energetic neutral atoms: <i>IBEX</i> and <i>THEMIS</i> observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3126-3137.	0.8	59
186	INTERSTELLAR FLOW AND TEMPERATURE DETERMINATION WITH <i>IBEX</i> : ROBUSTNESS AND SENSITIVITY TO SYSTEMATIC EFFECTS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 24.	3.0	59
187	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.	1.6	59
188	Interstellar Pickup Ion Observations to 38 au. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 8.	3.0	59
189	Observations of disconnection of open magnetic structures. <i>Geophysical Research Letters</i> , 1991, 18, 73-76.	1.5	58
190	Ulysses' rapid crossing of the polar coronal hole boundary. <i>Journal of Geophysical Research</i> , 1998, 103, 1955-1967.	3.3	58
191	An improved expected temperature formula for identifying interplanetary coronal mass ejections. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	58
192	Solar Cycle of Imaging the Global Heliosphere: Interstellar Boundary Explorer ( <i>IBEX</i> ) Observations from 2009–2019. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 26.	3.0	58
193	The warped neutral sheet and plasma sheet in the near-Earth geomagnetic tail. <i>Journal of Geophysical Research</i> , 1986, 91, 7093-7099.	3.3	57
194	Magnetospheric dynamics and mass flow during the November 1993 storm. <i>Journal of Geophysical Research</i> , 1998, 103, 26373-26394.	3.3	57
195	Ulysses observations of the irregularly structured mid-latitude solar wind during the approach to solar maximum. <i>Geophysical Research Letters</i> , 2000, 27, 2437-2440.	1.5	57
196	ESTIMATION OF THE NEON/OXYGEN ABUNDANCE RATIO AT THE HELIOSPHERIC TERMINATION SHOCK AND IN THE LOCAL INTERSTELLAR MEDIUM FROM <i>IBEX</i> OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 198, 13.	3.0	57
197	THE INTERSTELLAR MAGNETIC FIELD CLOSE TO THE SUN. II.. <i>Astrophysical Journal</i> , 2012, 760, 106.	1.6	57
198	SOLAR RADIATION PRESSURE AND LOCAL INTERSTELLAR MEDIUM FLOW PARAMETERS FROM <i>IBEX</i> LOW ENERGY HYDROGEN MEASUREMENTS. <i>Astrophysical Journal</i> , 2013, 775, 86.	1.6	57

#	ARTICLE	IF	CITATIONS
199	CHARGE-EXCHANGE COUPLING BETWEEN PICKUP IONS ACROSS THE HELIOPAUSE AND ITS EFFECT ON ENERGETIC NEUTRAL HYDROGEN FLUX. <i>Astrophysical Journal</i> , 2014, 783, 129.	1.6	57
200	Solar Parameters for Modeling the Interplanetary Background. , 2013, , 67-138.		56
201	Density of Neutral Hydrogen in the Sun's Interstellar Neighborhood. <i>Astrophysical Journal</i> , 2020, 903, 48.	1.6	56
202	Solar wind corotating stream interaction regions out of the ecliptic plane: Ulysses. <i>Space Science Reviews</i> , 1995, 72, 99-104.	3.7	55
203	Solar electron bursts at very low energies: Evidence for acceleration in the high corona?. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	55
204	A new class of long-term stable lunar resonance orbits: Space weather applications and the Interstellar Boundary Explorer. <i>Space Weather</i> , 2011, 9, .	1.3	55
205	Evidence for ion jets in the high-speed solar wind. <i>Journal of Geophysical Research</i> , 1993, 98, 5593-5605.	3.3	54
206	AN ANALYTICAL MODEL OF INTERSTELLAR GAS IN THE HELIOSPHERE TAILORED TO INTERSTELLAR BOUNDARY EXPLORER OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 198, 10.	3.0	54
207	Temporal and radial variation of the solar wind temperature-speed relationship. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	54
208	Quasi-thermal noise in a drifting plasma: Theory and application to solar wind diagnostic on Ulysses. <i>Journal of Geophysical Research</i> , 1999, 104, 6691-6704.	3.3	53
209	Open solar flux estimates from near-Earth measurements of the interplanetary magnetic field: comparison of the first two perihelion passes of the Ulysses spacecraft. <i>Annales Geophysicae</i> , 2004, 22, 1395-1405.	0.6	53
210	Preliminary results on Saturn's inner plasmasphere as observed by Cassini: Comparison with Voyager. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	53
211	Magnetic reconnection at the heliospheric current sheet and the formation of closed magnetic field lines in the solar wind. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	53
212	Five spacecraft observations of oppositely directed exhaust jets from a magnetic reconnection line extending $4.26 \times 10^6$ km in the solar wind at 1 AU. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	53
213	Neutral atom imaging of the magnetospheric cusps. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	53
214	LOW ENERGY NEUTRAL ATOMS FROM THE HELIOSHEATH. <i>Astrophysical Journal</i> , 2014, 784, 89.	1.6	53
215	Jupiter's Aurora Observed With HST During Juno Orbits 3 to 7. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3299-3319.	0.8	53
216	Interplanetary magnetic flux: Measurement and balance. <i>Journal of Geophysical Research</i> , 1992, 97, 171-177.	3.3	52

#	ARTICLE	IF	CITATIONS
217	IMAGE, POLAR, and geosynchronous observations of substorm and ring current ion injection. Geophysical Monograph Series, 2003, , 91-101.	0.1	52
218	Fitting method based on correlation maximization: Applications in space physics. Journal of Geophysical Research: Space Physics, 2013, 118, 2863-2875.	0.8	52
219	Solar wind from high-latitude coronal holes at solar maximum. Geophysical Research Letters, 2002, 29, 28-1-28-4.	1.5	51
220	Encounter of the <i>Ulysses</i> Spacecraft with the Ion Tail of Comet McNaught. Astrophysical Journal, 2007, 667, 1262-1266.	1.6	51
221	THE INFLUENCE OF PICK-UP IONS ON SPACE PLASMA DISTRIBUTIONS. Astrophysical Journal, 2011, 738, 64.	1.6	51
222	Two Wide- $\angle$ Imaging Neutral-Atom Spectrometers and Interstellar Boundary Explorer energetic neutral atom imaging of the 5 April 2010 substorm. Journal of Geophysical Research, 2012, 117, .	3.3	51
223	INBOUND WAVES IN THE SOLAR CORONA: A DIRECT INDICATOR OF ALFVÉN SURFACE LOCATION. Astrophysical Journal, 2014, 787, 124.	1.6	51
224	Electrostatic shielding in plasmas and the physical meaning of the Debye length. Journal of Plasma Physics, 2014, 80, 341-378.	0.7	51
225	Heliosphere Responds to a Large Solar Wind Intensification: Decisive Observations from IBEX. Astrophysical Journal Letters, 2018, 856, L10.	3.0	51
226	Energetic Particles in the Jovian Magnetotail. Science, 2007, 318, 220-222.	6.0	50
227	Plasmaspheric material at the reconnecting magnetopause. Journal of Geophysical Research, 2000, 105, 7591-7600.	3.3	49
228	PICK-UP ION DISTRIBUTIONS AND THEIR INFLUENCE ON ENERGETIC NEUTRAL ATOM SPECTRAL CURVATURE. Astrophysical Journal, 2012, 751, 64.	1.6	49
229	ENERGETIC NEUTRAL ATOMS MEASURED BY THE <i>INTERSTELLAR BOUNDARY EXPLORER</i> ( <i>IBEX</i> ): EVIDENCE FOR MULTIPLE HELIOSHEATH POPULATIONS. Astrophysical Journal, 2014, 780, 98.	1.6	49
230	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. Geophysical Research Letters, 2018, 45, 1277-1285.	1.5	49
231	Solar wind electron characteristics inside and outside coronal mass ejections. Journal of Geophysical Research, 2000, 105, 23069-23084.	3.3	48
232	Oxygen flux in the solar wind: Ulysses observations. Geophysical Research Letters, 2010, 37, .	1.5	48
233	In Situ Observations Connected to the Io Footprint Tail Aurora. Journal of Geophysical Research E: Planets, 2018, 123, 3061-3077.	1.5	48
234	The northern edge of the band of solar wind variability: Ulysses at $\sim 4.5$ AU. Geophysical Research Letters, 1997, 24, 309-312.	1.5	47

#	ARTICLE	IF	CITATIONS
235	Ulysses observations of very different heliospheric structure during the declining phase of solar activity cycle 23. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	47
236	Enceladus: The likely dominant nitrogen source in Saturn's magnetosphere. <i>Icarus</i> , 2007, 188, 356-366.	1.1	47
237	Evidence of Large-Scale Quantization in Space Plasmas. <i>Entropy</i> , 2013, 15, 1118-1134.	1.1	47
238	Slowing of the Solar Wind in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 885, 156.	1.6	47
239	The Near-Sun Dust Environment: Initial Observations from Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 27.	3.0	47
240	Diagnosing the Neutral Interstellar Gas Flow at 1 AU with IBEX-Lo. <i>Space Science Reviews</i> , 2009, 146, 149-172.	3.7	46
241	HELIOSPHERIC NEUTRAL ATOM SPECTRA BETWEEN 0.01 AND 6 keV FROM <i>IBEX</i> . <i>Astrophysical Journal</i> , 2012, 754, 14.	1.6	46
242	A two-fluid, MHD coronal model. <i>Journal of Geophysical Research</i> , 1999, 104, 4697-4708.	3.3	45
243	On the origin of microscale magnetic holes in the solar wind. <i>Journal of Geophysical Research</i> , 2001, 106, 16001-16010.	3.3	45
244	Diffusive Acceleration at the Blunt Termination Shock. <i>Astrophysical Journal</i> , 2008, 675, 1584-1600.	1.6	45
245	Anisotropic thermal electron distributions in the solar wind. <i>Journal of Geophysical Research</i> , 1989, 94, 6563-6579.	3.3	44
246	The underlying magnetic field direction in Ulysses observations of the southern polar heliosphere. <i>Geophysical Research Letters</i> , 1995, 22, 3321-3324.	1.5	44
247	A POSSIBLE GENERATION MECHANISM FOR THE <i>IBEX</i> RIBBON FROM OUTSIDE THE HELIOSPHERE. <i>Astrophysical Journal Letters</i> , 2010, 715, L84-L87.	3.0	44
248	PLASMA FLOWS AT <i>VOYAGER 2</i> AWAY FROM THE MEASURED SUPRATHERMAL PRESSURES. <i>Astrophysical Journal Letters</i> , 2014, 795, L17.	3.0	44
249	REVISITING THE ISN FLOW PARAMETERS, USING A VARIABLE <i>IBEX</i> POINTING STRATEGY. <i>Astrophysical Journal</i> , 2015, 804, 42.	1.6	44
250	Magnetic reconnection ahead of a coronal mass ejection. <i>Geophysical Research Letters</i> , 1994, 21, 1751-1754.	1.5	43
251	Evidence of a solar origin for pressure balance structures in the high-latitude solar wind. <i>Geophysical Research Letters</i> , 1999, 26, 1805-1808.	1.5	43
252	The Interstellar Boundary Explorer (IBEX). <i>AIP Conference Proceedings</i> , 2004, , .	0.3	43

#	ARTICLE	IF	CITATIONS
253	Comparison of TWINS images of low-altitude emission of energetic neutral atoms with DMSP precipitating ion fluxes. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	43
254	Solar Wind Streams and Stream Interaction Regions Observed by the Parker Solar Probe with Corresponding Observations at 1 au. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 36.	3.0	43
255	Magnetopause reconnection rate estimates for Jupiter's magnetosphere based on interplanetary measurements at -5AU. <i>Annales Geophysicae</i> , 2006, 24, 393-406.	0.6	43
256	CHARTING THE INTERSTELLAR MAGNETIC FIELD CAUSING THE INTERSTELLAR BOUNDARY EXPLORER (IBEX) RIBBON OF ENERGETIC NEUTRAL ATOMS. <i>Astrophysical Journal</i> , 2015, 814, 112.	1.6	42
257	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.	0.8	42
258	Extreme-ultraviolet polarization and filtering with gold transmission gratings. <i>Applied Optics</i> , 1995, 34, 648.	2.1	41
259	Solar wind interactions with Comet 19P/Borrelly. <i>Icarus</i> , 2004, 167, 80-88.	1.1	41
260	The sub-Parker spiral structure of the heliospheric magnetic field. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	41
261	Measure of the departure of the $q$ -metastable stationary states from equilibrium. <i>Physica Scripta</i> , 2010, 82, 035003.	1.2	41
262	Variability of the solar wind suprathermal electron strahl. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	41
263	Properties of plasma ions in the distant Jovian magnetosheath using Solar Wind Around Pluto data on New Horizons. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3463-3479.	0.8	41
264	Energetic particle signatures of magnetic field-aligned potentials over Jupiter's polar regions. <i>Geophysical Research Letters</i> , 2017, 44, 8703-8711.	1.5	41
265	Three component plasma electron distribution in the intermediate ionized coma of comet Giacobini-Zinner. <i>Geophysical Research Letters</i> , 1986, 13, 401-404.	1.5	40
266	The secondary-electron yield measured for 5-24 MeV protons on aluminum-oxide and gold targets. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1988, 30, 191-195.	0.6	40
267	The speeds of coronal mass ejections in the solar wind at mid heliographic latitudes: Ulysses. <i>Geophysical Research Letters</i> , 1994, 21, 1109-1112.	1.5	40
268	Radial variation of solar wind electrons inside a magnetic cloud observed at 1 and 5 AU. <i>Journal of Geophysical Research</i> , 2000, 105, 27269-27275.	3.3	40
269	Energy loss of 50keV H, He, C, N, O, Ne, and Ar ions transmitted through thin carbon foils. <i>Review of Scientific Instruments</i> , 2006, 77, 044501.	0.6	40
270	Solar Heliosphere Observation-based Ionization Rates Model. <i>Astrophysical Journal</i> , 2020, 897, 179.	1.6	40

#	ARTICLE	IF	CITATIONS
271	New approach to $\text{H}^+$ , high sensitivity, high mass resolution space plasma composition measurements. Review of Scientific Instruments, 1990, 61, 3095-3097.	0.6	39
272	Ring current dynamics in moderate and strong storms: Comparative analysis of TWINS and IMAGE/HENA data with the Comprehensive Ring Current Model. Journal of Geophysical Research, 2010, 115, .	3.3	39
273	Evolution of low-altitude and ring current ENA emissions from a moderate magnetospheric storm: Continuous and simultaneous TWINS observations. Journal of Geophysical Research, 2010, 115, .	3.3	39
274	STRUCTURE OF THE <i>INTERSTELLAR BOUNDARY EXPLORER</i> RIBBON FROM SECONDARY CHARGE-EXCHANGE AT THE SOLAR-INTERSTELLAR INTERFACE. Astrophysical Journal Letters, 2015, 804, L22.	3.0	39
275	THE NEW HORIZONS SOLAR WIND AROUND PLUTO (SWAP) OBSERVATIONS OF THE SOLAR WIND FROM 11-33 au. Astrophysical Journal, Supplement Series, 2016, 223, 19.	3.0	39
276	EFFECTS OF FAST AND SLOW SOLAR WIND ON THE ENERGETIC NEUTRAL ATOM (ENA) SPECTRA MEASURED BY THE <i>INTERSTELLAR BOUNDARY EXPLORER</i> ( <i>IBEX</i> ) AT THE HELIOSPHERIC POLES. Astrophysical Journal, 2012, 749, 50.	1.6	39
277	First <i>IBEX</i> observations of the terrestrial plasma sheet and a possible disconnection event. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	38
278	SPECTRAL PROPERTIES OF REGIONS AND STRUCTURES IN THE <i>INTERSTELLAR BOUNDARY EXPLORER</i> ( <i>IBEX</i> ) SKY MAPS. Astrophysical Journal, 2011, 734, 29.	1.6	38
279	GEOMETRY AND CHARACTERISTICS OF THE HELIOSHEATH REVEALED IN THE FIRST FIVE YEARS OF <i>INTERSTELLAR BOUNDARY EXPLORER</i> OBSERVATIONS. Astrophysical Journal, 2016, 826, 58.	1.6	38
280	Generation of the Jovian hectometric radiation: First lessons from Juno. Geophysical Research Letters, 2017, 44, 4439-4446.	1.5	38
281	The comet/solar wind transition region at Giacobini-Zinner. Geophysical Research Letters, 1986, 13, 393-396.	1.5	37
282	A statistical study of ions and magnetic fields in the Venus magnetotail. Journal of Geophysical Research, 1990, 95, 12005-12018.	3.3	37
283	The magnetospheric response to the CME passage of January 10-11, 1997, as seen at geosynchronous orbit. Geophysical Research Letters, 1998, 25, 2545-2548.	1.5	37
284	Role of solar wind dynamic pressure in driving ionospheric Joule heating. Journal of Geophysical Research, 2004, 109, .	3.3	37
285	The global plasma environment of Titan as observed by Cassini Plasma Spectrometer during the first two close encounters with Titan. Geophysical Research Letters, 2005, 32, .	1.5	37
286	The Solar Wind Power from Magnetic Flux. Astrophysical Journal, 2008, 686, L33-L36.	1.6	37
287	Time Dependence of the <i>IBEX</i> Ribbon and the Globally Distributed Energetic Neutral Atom Flux Using the First 9 Years of Observations. Astrophysical Journal, Supplement Series, 2018, 239, 1.	3.0	37
288	Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027693.	0.8	37

#	ARTICLE	IF	CITATIONS
289	Ulysses solar wind observations to 56½ south. <i>Space Science Reviews</i> , 1995, 72, 93-98.	3.7	36
290	USING KAPPA FUNCTIONS TO CHARACTERIZE OUTER HELIOSPHERE PROTON DISTRIBUTIONS IN THE PRESENCE OF CHARGE-EXCHANGE. <i>Astrophysical Journal</i> , 2015, 815, 31.	1.6	36
291	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. <i>Geophysical Research Letters</i> , 2017, 44, 4401-4409.	1.5	36
292	High-Resolution Measurements of the Cross-Shock Potential, Ion Reflection, and Electron Heating at an Interplanetary Shock by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3961-3978.	0.8	36
293	Survey of Ion Properties in Jupiter's Plasma Sheet: Juno JADE Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027696.	0.8	36
294	A slow bow shock ahead of the heliosphere. <i>Geophysical Research Letters</i> , 2013, 40, 2923-2928.	1.5	35
295	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM IBEX OBSERVATIONS. I. UNCERTAINTIES AND BACKGROUNDS IN THE DATA AND PARAMETER DETERMINATION METHOD. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 26.	3.0	35
296	SIMULATIONS OF A DYNAMIC SOLAR CYCLE AND ITS EFFECTS ON THE INTERSTELLAR BOUNDARY EXPLORER RIBBON AND GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX. <i>Astrophysical Journal</i> , 2015, 804, 5.	1.6	35
297	DETERMINATION OF INTERSTELLAR O PARAMETERS USING THE FIRST TWO YEARS OF DATA FROM THE INTERSTELLAR BOUNDARY EXPLORER. <i>Astrophysical Journal</i> , 2016, 828, 81.	1.6	35
298	Plasma measurements in the Jovian polar region with Juno/JADE. <i>Geophysical Research Letters</i> , 2017, 44, 7122-7130.	1.5	35
299	A new view of Jupiter's auroral radio spectrum. <i>Geophysical Research Letters</i> , 2017, 44, 7114-7121.	1.5	35
300	The Downwind Hemisphere of the Heliosphere: Eight Years of IBEX-Lo Observations. <i>Astrophysical Journal</i> , 2017, 851, 2.	1.6	35
301	Interstellar Neutral Helium in the Heliosphere from IBEX Observations. VI. The He <sup>+</sup> Density and the Ionization State in the Very Local Interstellar Matter. <i>Astrophysical Journal</i> , 2019, 882, 60.	1.6	35
302	Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories. <i>Astronomy and Astrophysics</i> , 2020, 642, A4.	2.1	35
303	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at ~0.25 au. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 29.	3.0	35
304	Prediction of the heliospheric current sheet tilt: 1992 – 1996. <i>Geophysical Research Letters</i> , 1993, 20, 161-164.	1.5	34
305	Absolute detection efficiency of space-based ion mass spectrometers and neutral atom imagers. <i>Review of Scientific Instruments</i> , 2005, 76, 053301.	0.6	34
306	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.	1.6	34

#	ARTICLE	IF	CITATIONS
307	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.	1.5	34
308	Interstellar Neutral Helium in the Heliosphere from IBEX Observations. V. Observations in IBEX-Lo ESA Steps 1, 2, and 3. <i>Astrophysical Journal</i> , 2018, 854, 119.	1.6	34
309	Simulation of the Solar Wind Dynamic Pressure Increase in 2014 and Its Effect on Energetic Neutral Atom Fluxes from the Heliosphere. <i>Astrophysical Journal</i> , 2018, 859, 104.	1.6	34
310	Analysis of the Internal Structure of the Streamer Blowout Observed by the Parker Solar Probe During the First Solar Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 63.	3.0	34
311	Ulysses plasma observations of coronal mass ejections near 2.5 AU. <i>Geophysical Research Letters</i> , 1992, 19, 1239-1242.	1.5	33
312	Electron properties of high-speed solar wind from polar coronal holes obtained by Ulysses thermal noise spectroscopy: Not so dense, not so hot. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	33
313	Enceladus: A potential source of ammonia products and molecular nitrogen for Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	33
314	COMPARISONS OF THE INTERSTELLAR MAGNETIC FIELD DIRECTIONS OBTAINED FROM THE IBEX RIBBON AND INTERSTELLAR POLARIZATIONS. <i>Astrophysical Journal</i> , 2010, 724, 1473-1479.	1.6	33
315	VARIATIONS IN THE HELIOSPHERIC POLAR ENERGETIC NEUTRAL ATOM FLUX OBSERVED BY THE INTERSTELLAR BOUNDARY EXPLORER. <i>Astrophysical Journal</i> , 2012, 747, 110.	1.6	33
316	Five Years of Stereo Magnetospheric Imaging by TWINS. <i>Space Science Reviews</i> , 2013, 180, 39-70.	3.7	33
317	Interstellar Pickup Ion Observations Halfway to the Termination Shock. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 19.	3.0	33
318	Plasma observations of magnetopause crossings at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1994, 99, 21249.	3.3	32
319	Coronal mass ejections at high heliographic latitudes: Ulysses. <i>Space Science Reviews</i> , 1995, 72, 133-136.	3.7	32
320	Very low frequency waves in the heliosphere: Ulysses observations. <i>Journal of Geophysical Research</i> , 1998, 103, 12023-12035.	3.3	32
321	Filling and emptying of the plasma sheet: Remote observations with 1-70 keV energetic neutral atoms. <i>Geophysical Research Letters</i> , 2002, 29, 36-1-36-4.	1.5	32
322	Correlated Dispersionless Structure in Suprathermal Electrons and Solar Energetic Ions in the Solar Wind. <i>Astrophysical Journal</i> , 2004, 614, 412-419.	1.6	32
323	Cometary Ions Trapped in a Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2004, 604, L121-L124.	1.6	32
324	THE Ne-TO-O ABUNDANCE RATIO OF THE INTERSTELLAR MEDIUM FROM IBEX-Lo OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 795, 97.	1.6	32

#	ARTICLE	IF	CITATIONS
325	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4232-4246.	0.8	32
326	<i>In Situ</i> Observations of Preferential Pickup Ion Heating at an Interplanetary Shock. <i>Physical Review Letters</i> , 2018, 121, 075102.	2.9	32
327	The relationship between pulsating auroras observed from the ground and energetic electrons and plasma density measured at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1995, 100, 23935.	3.3	31
328	Relationship between Ulysses plasma observations and solar observations during the Whole Sun Month campaign. <i>Journal of Geophysical Research</i> , 1999, 104, 9871-9879.	3.3	31
329	Dispersionless modulations in low-energy solar electron bursts and discontinuous changes in the solar wind electron strahl. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	31
330	Solar wind from the coronal hole boundaries. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	31
331	Correlation of speed and temperature in the solar wind. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	31
332	Reflection of solar wind hydrogen from the lunar surface. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 292-305.	1.5	31
333	CAN <i>IBEX</i> DETECT INTERSTELLAR NEUTRAL HELIUM OR OXYGEN FROM ANTI-RAM DIRECTIONS?. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 30.	3.0	31
334	THE ROLL-OVER OF HELIOSPHERIC NEUTRAL HYDROGEN BELOW 100 eV: OBSERVATIONS AND IMPLICATIONS. <i>Astrophysical Journal</i> , 2016, 821, 107.	1.6	31
335	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> , 2020, 125, e2018JA026169.	0.8	31
336	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 20.	3.0	31
337	Inner edge of the electron plasma sheet: Empirical models of boundary location. <i>Journal of Geophysical Research</i> , 1999, 104, 22679-22693.	3.3	30
338	SPECTRAL PROPERTIES OF $\sim 0.5$ -6 keV ENERGETIC NEUTRAL ATOMS MEASURED BY THE <i>INTERSTELLAR BOUNDARY EXPLORER</i> ( <i>IBEX</i> ) ALONG THE LINES OF SIGHT OF <i>VOYAGER</i> . <i>Astrophysical Journal Letters</i> , 2012, 749, L30.	3.0	30
339	Evolution of CIR storm on 22 July 2009. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
340	THE INTERSTELLAR NEUTRAL He HAZE IN THE HELIOSPHERE: WHAT CAN WE LEARN?. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 29.	3.0	30
341	INTERSTELLAR HYDROGEN FLUXES MEASURED BY <i>IBEX</i> -LO IN 2009: NUMERICAL MODELING AND COMPARISON WITH THE DATA. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 33.	3.0	30
342	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. <i>Geophysical Research Letters</i> , 2017, 44, 5308-5316.	1.5	30

#	ARTICLE	IF	CITATIONS
343	Jovian bow shock and magnetopause encounters by the Juno spacecraft. <i>Geophysical Research Letters</i> , 2017, 44, 4506-4512.	1.5	30
344	RING CURRENT DYNAMICS DURING THE 13 <sup>th</sup> 18 JULY 2000 STORM PERIOD. <i>Solar Physics</i> , 2001, 204, 361-375.	1.0	29
345	Tail-dominated storm main phase: 31 March 2001. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	29
346	The interstellar hydrogen shadow: Observations of interstellar pickup ions beyond Jupiter. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	29
347	Source and consequences of a large shock near 79 AU. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	29
348	CORONAL ELECTRON TEMPERATURE FROM THE SOLAR WIND SCALING LAW THROUGHOUT THE SPACE AGE. <i>Astrophysical Journal</i> , 2011, 739, 9.	1.6	29
349	TRACKING THE SOLAR CYCLE THROUGH IBEX OBSERVATIONS OF ENERGETIC NEUTRAL ATOM FLUX VARIATIONS AT THE HELIOSPHERIC POLES. <i>Astrophysical Journal</i> , 2016, 833, 277.	1.6	29
350	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. I. FE, O, AND SEED MATERIAL. <i>Astrophysical Journal</i> , 2016, 816, 68.	1.6	29
351	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.	3.0	29
352	A Three-dimensional Map of the Heliosphere from IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 40.	3.0	29
353	Plasma fluctuations and large-scale mixing near comet Giacobini-Zinner. <i>Geophysical Research Letters</i> , 1986, 13, 271-274.	1.5	28
354	Discovery of nitrogen in Saturn's inner magnetosphere. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	28
355	IBEX-Lo observations of energetic neutral hydrogen atoms originating from the lunar surface. <i>Planetary and Space Science</i> , 2012, 60, 297-303.	0.9	28
356	STATISTICAL ANALYSIS OF THE HEAVY NEUTRAL ATOMS MEASURED BY IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 34.	3.0	28
357	Variability in the Position of the IBEX Ribbon over Nine Years: More Observational Evidence for a Secondary ENA Source. <i>Astrophysical Journal</i> , 2019, 879, 84.	1.6	28
358	Evidence of direct detection of interstellar deuterium in the local interstellar medium by IBEX. <i>Astronomy and Astrophysics</i> , 2013, 557, A125.	2.1	28
359	Sub-Alfvénic Solar Wind Observed by the Parker Solar Probe: Characterization of Turbulence, Anisotropy, Intermittency, and Switchback. <i>Astrophysical Journal Letters</i> , 2022, 926, L1.	3.0	28
360	Tongues, bottles, and disconnected loops: The opening and closing of the interplanetary magnetic field. <i>Reviews of Geophysics</i> , 1995, 33, 603.	9.0	27

#	ARTICLE	IF	CITATIONS
361	DISCONNECTING OPEN SOLAR MAGNETIC FLUX. <i>Astrophysical Journal</i> , 2012, 745, 36.	1.6	27
362	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, .	1.1	27
363	IBEX OBSERVATIONS OF SECONDARY INTERSTELLAR HELIUM AND OXYGEN DISTRIBUTIONS. <i>Astrophysical Journal</i> , 2016, 833, 130.	1.6	27
364	DISTANCE TO THE IBEX RIBBON SOURCE INFERRED FROM PARALLAX. <i>Astrophysical Journal</i> , 2016, 823, 119.	1.6	27
365	<sup>3</sup> He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 42.	3.0	27
366	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 35.	3.0	27
367	Gasdynamic modeling of the Venus magnetotail. <i>Journal of Geophysical Research</i> , 1991, 96, 5667-5681.	3.3	26
368	An examination of the Tsyganenko (T89a) field model using a database of two-satellite magnetic conjunctions. <i>Journal of Geophysical Research</i> , 1997, 102, 4911-4918.	3.3	26
369	Symmetric suprathermal electron depletions on closed field lines in the solar wind. <i>Geophysical Research Letters</i> , 2002, 29, 14-1.	1.5	26
370	Wind and ACE observations during the great flow of 4 May 1998: Relation to solar activity and implications for the magnetosphere. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 3-1.	3.3	26
371	Relationship between Solar Wind and Coronal Heating: Scaling Laws from Solar X-rays. <i>Astrophysical Journal</i> , 2006, 642, 1173-1176.	1.6	26
372	The Interstellar Boundary Explorer Science Operations Center. <i>Space Science Reviews</i> , 2009, 146, 207-234.	3.7	26
373	IBEX Backgrounds and Signal-to-Noise Ratio. <i>Space Science Reviews</i> , 2009, 146, 173-206.	3.7	26
374	Simulation and TWINS observations of the 22 July 2009 storm. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	26
375	Remote observations of ion temperatures in the quiet time magnetosphere. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	26
376	INTERSTELLAR PICK-UP IONS OBSERVED BETWEEN 11 AND 22 AU BY NEW HORIZONS. <i>Astrophysical Journal</i> , 2013, 768, 120.	1.6	26
377	SIMULATING THE COMPTON-GETTING EFFECT FOR HYDROGEN FLUX MEASUREMENTS: IMPLICATIONS FOR IBEX-Hi AND -Lo OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 778, 112.	1.6	26
378	The <i>Kp</i> index and solar wind speed relationship: Insights for improving space weather forecasts. <i>Space Weather</i> , 2013, 11, 339-349.	1.3	26

#	ARTICLE	IF	CITATIONS
379	Ulysses measurements of variations in the solar wind-interstellar hydrogen charge exchange rate. <i>Geophysical Research Letters</i> , 1999, 26, 2701-2704.	1.5	25
380	The Plasma Ion and Electron Instruments for the Genesis Mission. <i>Space Science Reviews</i> , 2003, 105, 627-660.	3.7	25
381	Juno's approach observations of Jupiter's auroras. <i>Geophysical Research Letters</i> , 2017, 44, 7668-7675.	1.5	25
382	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.	0.8	25
383	Model-free Maps of Interstellar Neutral Hydrogen Measured with IBEX between 2009 and 2018. <i>Astrophysical Journal</i> , 2019, 871, 52.	1.6	25
384	A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089267.	1.5	25
385	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 61.	3.0	25
386	Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086527.	1.5	25
387	Very Local Interstellar Medium Revealed by a Complete Solar Cycle of Interstellar Neutral Helium Observations with IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 42.	3.0	25
388	Linear electric field mass analysis: a technique for three-dimensional high mass resolution space plasma composition measurements.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 5925-5929.	3.3	24
389	Ulysses observations of opposed tilts of solar wind corotating interaction regions in the northern and southern solar hemispheres. <i>Geophysical Research Letters</i> , 1995, 22, 3333-3336.	1.5	24
390	Premidnight plasmaspheric "plumes". <i>Journal of Geophysical Research</i> , 1997, 102, 11325-11334.	3.3	24
391	IS VOYAGER 1 INSIDE AN INTERSTELLAR FLUX TRANSFER EVENT?. <i>Astrophysical Journal Letters</i> , 2013, 778, L33.	3.0	24
392	CORRECTING THE RECORD ON THE ANALYSIS OF IBEX AND STEREO DATA REGARDING VARIATIONS IN THE NEUTRAL INTERSTELLAR WIND. <i>Astrophysical Journal</i> , 2015, 801, 61.	1.6	24
393	Plasma environment at the dawn flank of Jupiter's magnetosphere: Juno arrives at Jupiter. <i>Geophysical Research Letters</i> , 2017, 44, 4432-4438.	1.5	24
394	Expanding Global Features in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 872, 127.	1.6	24
395	Magnetotails at unmagnetized bodies: Comparison of comet Giacobini-Zinner and Venus. <i>Journal of Geophysical Research</i> , 1987, 92, 10111-10117.	3.3	23
396	The magnetospheric lobe at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1994, 99, 17283.	3.3	23

#	ARTICLE	IF	CITATIONS
397	Deep Space 1 encounter with Comet 19P/Borrelly: Ion composition measurements by the PEPE mass spectrometer. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	23
398	IMPACT: Science goals and firsts with STEREO. <i>Advances in Space Research</i> , 2005, 36, 1534-1543.	1.2	23
399	The ion-optical prototype of the low energy neutral atom sensor of the Interstellar Boundary Explorer Mission (IBEX). <i>Review of Scientific Instruments</i> , 2007, 78, 124502.	0.6	23
400	Plasma Experiment for Planetary Exploration (PEPE). <i>Space Science Reviews</i> , 2007, 129, 327-357.	3.7	23
401	IMAGING THE HELIOSPHERE USING NEUTRAL ATOMS FROM SOLAR WIND ENERGY DOWN TO 15 eV. <i>Astrophysical Journal</i> , 2014, 796, 9.	1.6	23
402	MODELING THE SOLAR WIND AT THE ULYSSES, VOYAGER, AND NEW HORIZONS SPACECRAFT. <i>Astrophysical Journal</i> , 2016, 832, 72.	1.6	23
403	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by <i>Parker Solar Probe</i> . <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 65.	3.0	23
404	The structure of a cometary Type I tail: Ground-based and ice observations of P/Giacobini-Zinner. <i>Geophysical Research Letters</i> , 1986, 13, 1085-1088.	1.5	22
405	Sources of shocks and compressions in the high-latitude solar wind: Ulysses. <i>Geophysical Research Letters</i> , 1995, 22, 3305-3308.	1.5	22
406	An unusual coronal mass ejection: First solar wind electron, proton, alpha monitor (SWEPAM) Results from the Advanced Composition Explorer. <i>Geophysical Research Letters</i> , 1998, 25, 4289-4292.	1.5	22
407	Title is missing!. <i>Space Science Reviews</i> , 2001, 97, 189-192.	3.7	22
408	Formation, shape, and evolution of magnetic structures in CIRs at 1 AU. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
409	TWINS stereoscopic imaging of multiple peaks in the ring current. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 368-383.	0.8	22
410	Heliosheath Properties Measured from a Voyager 2 to Voyager 1 Transient. <i>Astrophysical Journal</i> , 2019, 883, 101.	1.6	22
411	Strong Scattering of $\sim 4$ keV Pickup Ions in the Local Interstellar Magnetic Field Draped around Our Heliosphere: Implications for the IBEX Ribbon's Source and IMAP. <i>Astrophysical Journal</i> , 2019, 876, 92.	1.6	22
412	Pickup hydrogen distributions in the solar wind at $\sim 11$ AU: Do we understand pickup ions in the outer heliosphere?. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
413	OBSERVATIONS OF ISOTROPIC INTERSTELLAR PICK-UP IONS AT 11 AND 17 AU FROM <i>NEW HORIZONS</i> . <i>Astrophysical Journal</i> , 2012, 755, 75.	1.6	21
414	Oxygen-hydrogen differentiated observations from TWINS: The 22 July 2009 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3377-3393.	0.8	21

#	ARTICLE	IF	CITATIONS
415	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. <i>Geophysical Research Letters</i> , 2017, 44, 4419-4425.	1.5	21
416	Stochastic Acceleration of $\sim 10^{-5}$ keV Pickup Ions in the Heliotail. <i>Astrophysical Journal</i> , 2018, 860, 170.	1.6	21
417	CME-associated Energetic Ions at 0.23 au: Consideration of the Auroral Pressure Cooker Mechanism Operating in the Low Corona as a Possible Energization Process. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 59.	3.0	21
418	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 33.	3.0	21
419	Slowdown and Heating of Interstellar Neutral Helium by Elastic Collisions beyond the Heliopause. <i>Astrophysical Journal Letters</i> , 2021, 911, L36.	3.0	21
420	Geometry of Magnetic Fluctuations near the Sun from the Parker Solar Probe. <i>Astrophysical Journal</i> , 2021, 923, 193.	1.6	21
421	CRRES Low-Energy Magnetospheric Ion Composition Sensor. <i>Journal of Spacecraft and Rockets</i> , 1992, 29, 596-598.	1.3	20
422	The Role and Contributions of Energetic Neutral Atom (ENA) Imaging in Magnetospheric Substorm Research. <i>Space Science Reviews</i> , 2003, 109, 155-182.	3.7	20
423	Heliospheric $\alpha$ -Favored Acceleration Locations at the Termination Shock. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	20
424	How did the solar wind structure change around the solar maximum? From interplanetary scintillation observation. <i>Annales Geophysicae</i> , 2003, 21, 1257-1261.	0.6	20
425	Stability of the inner source pickup ions over the solar cycle. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	20
426	Suprathermal electron $90^\circ$ pitch angle depletions at reverse shocks in the solar wind. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	20
427	TRIANGULATION OF THE INTERSTELLAR MAGNETIC FIELD. <i>Astrophysical Journal Letters</i> , 2015, 813, L20.	3.0	20
428	Preliminary JIRAM results from Juno polar observations: 2. Analysis of the Jupiter southern $H_{3^+}$ emissions and comparison with the north aurora. <i>Geophysical Research Letters</i> , 2017, 44, 4633-4640.	1.5	20
429	Imprint of the Sun's Evolving Polar Winds on IBEX Energetic Neutral Atom All-sky Observations of the Heliosphere. <i>Astrophysical Journal</i> , 2017, 846, 63.	1.6	20
430	Juno observations of large-scale compressions of Jupiter's dawnside magnetopause. <i>Geophysical Research Letters</i> , 2017, 44, 7559-7568.	1.5	20
431	Turbulence in the Local Interstellar Medium and the IBEX Ribbon. <i>Astrophysical Journal</i> , 2020, 888, 29.	1.6	20
432	Magnetic field line random walk and solar energetic particle path lengths. <i>Astronomy and Astrophysics</i> , 2021, 650, A26.	2.1	20

#	ARTICLE	IF	CITATIONS
433	Flux dropouts of plasma and energetic particles at geosynchronous orbit during large geomagnetic storms: Entry into the lobes. <i>Journal of Geophysical Research</i> , 1995, 100, 8031.	3.3	19
434	Observational determination of magnetic connectivity of the geosynchronous region of the magnetosphere to the auroral oval. <i>Journal of Geophysical Research</i> , 1996, 101, 2629-2640.	3.3	19
435	Latitudinal distribution of >106 MeV protons and its relation to the ambient solar wind in the inner southern and northern heliosphere: Ulysses Cosmic and Solar Particle Investigation Kiel Electron Telescope Results. <i>Journal of Geophysical Research</i> , 1998, 103, 4809-4816.	3.3	19
436	Cassini plasma spectrometer measurements of Jovian bow shock structure. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	19
437	PRECISION POINTING OF IBEX-Lo OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 198, 9.	3.0	19
438	TWINS energetic neutral atom observations of local time dependent ring current anisotropy. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
439	Inner magnetosphere convection and magnetotail structure of hot ions imaged by ENA during a HSS driven storm. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
440	DISCONNECTION FROM THE TERMINATION SHOCK: THE END OF THE VOYAGER PARADOX. <i>Astrophysical Journal</i> , 2012, 758, 19.	1.6	19
441	Large magnetic storms as viewed by TWINS: A study of the differences in the medium energy ENA composition. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2819-2835.	0.8	19
442	SYMMETRY OF THE IBEX RIBBON OF ENHANCED ENERGETIC NEUTRAL ATOM (ENA) FLUX. <i>Astrophysical Journal</i> , 2015, 799, 68.	1.6	19
443	Interplanetary magnetic field dependence of the suprathermal energetic neutral atoms originated in subsolar magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 964-972.	0.8	19
444	Solar wind at 33 AU: Setting bounds on the Pluto interaction for New Horizons. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1497-1511.	1.5	19
445	Effects of solar wind speed on the secondary energetic neutral source of the Interstellar Boundary Explorer ribbon. <i>Astronomy and Astrophysics</i> , 2016, 586, A31.	2.1	19
446	Observation of Electron Conics by Juno: Implications for Radio Generation and Acceleration Processes. <i>Geophysical Research Letters</i> , 2018, 45, 9408-9416.	1.5	19
447	Non-equilibrium Distributions of Interstellar Neutrals and the Temperature of the Local Interstellar Medium. <i>Astrophysical Journal</i> , 2019, 871, 254.	1.6	19
448	The Giacobini-Zinner magnetotail: Tail configuration and current sheet. <i>Journal of Geophysical Research</i> , 1987, 92, 1139-1152.	3.3	18
449	Fundamentals of low-energy neutral atom imaging. <i>Optical Engineering</i> , 1994, 33, 335.	0.5	18
450	Ion energy equation for the high-speed solar wind: Ulysses observations. <i>Journal of Geophysical Research</i> , 1998, 103, 14547-14557.	3.3	18

#	ARTICLE	IF	CITATIONS
451	Solar wind plasma parameters on Ulysses: Detailed comparison between the URAP and SWOOPS experiments. <i>Journal of Geophysical Research</i> , 2001, 106, 15665-15675.	3.3	18
452	Location, structure, and motion of Jupiter's dusk magnetospheric boundary from $\sim 1625$ to 2550 $<i>R</i><sub>J</sub>$ . <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	18
453	Global images of trapped ring current ions during main phase of 17 March 2015 geomagnetic storm as observed by TWINS. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6509-6525.	0.8	18
454	Preliminary JIRAM results from Juno polar observations: 1. Methodology and analysis applied to the Jovian northern polar region. <i>Geophysical Research Letters</i> , 2017, 44, 4625-4632.	1.5	18
455	Termination Shock Measured by Voyagers and IBEX. <i>Astrophysical Journal</i> , 2019, 884, 145.	1.6	18
456	The Interstellar Ribbon: A Unifying Explanation. <i>Astrophysical Journal</i> , 2019, 887, 247.	1.6	18
457	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.	1.5	18
458	Proton Acceleration by Io's Alfvénic Interaction. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027314.	0.8	18
459	Heliosheath Proton Distribution in the Plasma Reference Frame. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 26.	3.0	18
460	Collisional Evolution of the Inner Zodiacal Cloud. <i>Planetary Science Journal</i> , 2021, 2, 185.	1.5	18
461	Radiation Pressure from Interstellar Hydrogen Observed by IBEX through Solar Cycle 24. <i>Astrophysical Journal</i> , 2019, 887, 217.	1.6	18
462	Diagnostics of space plasmas (invited). <i>Review of Scientific Instruments</i> , 1986, 57, 1711-1716.	0.6	17
463	The Solar Wind - Inner Heliosphere. <i>Space Science Reviews</i> , 1998, 83, 75-86.	3.7	17
464	Observations of two complete substorm cycles during the Cassini Earth swing-by: Cassini magnetometer data in a global context. <i>Journal of Geophysical Research</i> , 2001, 106, 30141-30175.	3.3	17
465	The Genesis Solar Wind Concentrator. <i>Space Science Reviews</i> , 2003, 105, 561-599.	3.7	17
466	Strong interplanetary field enhancements at Ulysses—evidence of dust trails' interaction with the solar wind?. <i>Icarus</i> , 2003, 166, 297-310.	1.1	17
467	Swift X-Ray Telescope Observations of the Deep Impact Collision. <i>Astrophysical Journal</i> , 2006, 649, 541-552.	1.6	17
468	PROBING THE NATURE OF THE HELIOSHEATH WITH THE NEUTRAL ATOM SPECTRA MEASURED BY IBEX IN THE VOYAGER 1 DIRECTION. <i>Astrophysical Journal Letters</i> , 2013, 776, L32.	3.0	17

#	ARTICLE	IF	CITATIONS
469	Assessment of detectability of neutral interstellar deuterium by IBEX observations. <i>Astronomy and Astrophysics</i> , 2013, 556, A39.	2.1	17
470	Bimodal size of Jupiter's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1523-1529.	0.8	17
471	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , 2017, 44, 8107-8112.	1.5	17
472	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089732.	1.5	17
473	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the ISÅŠ™IS Instrument Suite. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 41.	3.0	17
474	A living catalog of stream interaction regions in the Parker Solar Probe era. <i>Astronomy and Astrophysics</i> , 2021, 650, A25.	2.1	17
475	Energetic Electron Observations by Parker Solar Probe/ISÅŠ™IS during the First Widespread SEP Event of Solar Cycle 25 on 2020 November 29. <i>Astrophysical Journal</i> , 2021, 919, 119.	1.6	17
476	The inner heliospheric source for keV-energetic IBEX ENAs. <i>Astronomy and Astrophysics</i> , 2011, 531, A77.	2.1	17
477	Solar wind eddies and the heliospheric current sheet. <i>Journal of Geophysical Research</i> , 1995, 100, 12261.	3.3	16
478	Solar windâ€™magnetosphere coupling efficiency for solar wind pressure impulses. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	16
479	CAN<i>IBEX</i> IDENTIFY VARIATIONS IN THE GALACTIC ENVIRONMENT OF THE SUN USING ENERGETIC NEUTRAL ATOMS?. <i>Astrophysical Journal</i> , 2010, 719, 1984-1992.	1.6	16
480	SPECTRAL EVOLUTION OF ENERGETIC NEUTRAL ATOM EMISSIONS AT THE HELIOSPHERIC POLES AS MEASURED BY<i>IBEX</i> DURING ITS FIRST THREE YEARS. <i>Astrophysical Journal</i> , 2014, 797, 57.	1.6	16
481	<i>Largeâ€™scale</i> quantization from local correlations in space plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3247-3258.	0.8	16
482	Jovian Highâ€™Latitude Ionospheric Ions: Juno In Situ Observations. <i>Geophysical Research Letters</i> , 2019, 46, 8663-8670.	1.5	16
483	Galactic Cosmic-Ray Anisotropies: Voyager 1 in the Local Interstellar Medium. <i>Astrophysical Journal</i> , 2019, 873, 46.	1.6	16
484	Survey of Jupiter's Dawn Magnetosheath Using Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9106-9123.	0.8	16
485	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREOâ€™A. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091376.	1.5	16
486	Medium Energy Neutral Atom (MENA) Imager for the Image Mission. , 2000, , 113-154.		16

#	ARTICLE	IF	CITATIONS
487	Energetic Proton Acceleration Associated With Io's Footprint Tail. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090839.	1.5	16
488	The inner heliosheath source for keV-ENAs observed with IBEX. <i>Astronomy and Astrophysics</i> , 2012, 539, A75.	2.1	16
489	Water-Group Pickup Ions From Europa-Genic Neutrals Orbiting Jupiter. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	16
490	Ulysses observations of a "density hole" in the high-speed solar wind. <i>Journal of Geophysical Research</i> , 1998, 103, 1933-1940.	3.3	15
491	The outer source of pickup ions and anomalous cosmic rays. <i>Geophysical Research Letters</i> , 2002, 29, 54-1-54-4.	1.5	15
492	Modulation of anomalous and galactic cosmic rays beyond the termination shock. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	15
493	Comparison of TWINS and THEMIS observations of proton pitch angle distributions in the ring current during the 29 May 2010 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4895-4905.	0.8	15
494	Imaging the development of the cold dense plasma sheet. <i>Geophysical Research Letters</i> , 2015, 42, 7867-7873.	1.5	15
495	EVIDENCE FOR AN INTERSTELLAR DUST FILAMENT IN THE OUTER HELIOSHEATH. <i>Astrophysical Journal</i> , 2015, 805, 60.	1.6	15
496	Solar Wind Properties During Juno's Approach to Jupiter: Data Analysis and Resulting Plasma Properties Utilizing a 1D Forward Model. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2772-2786.	0.8	15
497	A new view of energetic particles from stream interaction regions observed by Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A24.	2.1	15
498	Survey of Juno Observations in Jupiter's Plasma Disk: Density. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029446.	0.8	15
499	PSP/ISÅ™ THEMIS observations of the 29 November 2020 solar energetic particle event. <i>Astronomy and Astrophysics</i> , 2021, 656, A29.	2.1	15
500	Turbulent Acceleration of Interstellar Pickup Ions at the Heliospheric Termination Shock Forms the Global ENA Spectrum. <i>Astrophysical Journal Letters</i> , 2021, 916, L21.	3.0	15
501	Spectral properties of keV-energetic ion populations inside the heliopause reflected by IBEX-relevant energetic neutral atoms. <i>Astronomy and Astrophysics</i> , 2013, 551, A58.	2.1	15
502	Thermodynamic Definitions of Temperature and Kappa and Introduction of the Entropy Defect. <i>Entropy</i> , 2021, 23, 1683.	1.1	15
503	A high energy telescope for the Solar Orbiter. <i>Advances in Space Research</i> , 2005, 36, 1426-1431.	1.2	14
504	Global observations of ring current dynamics during corotating interaction region-driven geomagnetic storms in 2008. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	14

#	ARTICLE	IF	CITATIONS
505	Local time-dependent low altitude ion spectra deduced from TWINS ENA images. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2928-2950.	0.8	14
506	Shape of the terrestrial plasma sheet in the near Earth magnetospheric tail as imaged by the Interstellar Boundary Explorer. <i>Geophysical Research Letters</i> , 2015, 42, 2115-2122.	1.5	14
507	The Influence of Polar Coronal Holes on the Polar ENA Flux Observed by IBEX. <i>Astrophysical Journal</i> , 2019, 879, 1.	1.6	14
508	Neutral Atom Imaging of the Solar Wind-Magnetosphere-Exosphere Interaction Near the Subsolar Magnetopause. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089362.	1.5	14
509	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2021, 650, L5.	2.1	14
510	In Situ Observations of Interstellar Pickup Ions from 1 au to the Outer Heliosphere. <i>Space Science Reviews</i> , 2022, 218, 28.	3.7	14
511	Suprathermal ions observed upstream of the Venus bow shock. <i>Journal of Geophysical Research</i> , 1989, 94, 3743-3748.	3.3	13
512	Ulysses observations of solar wind plasma parameters in the ecliptic from 1.4 to 5.4 AU and out of the ecliptic. <i>Space Science Reviews</i> , 1995, 72, 113-116.	3.7	13
513	The appearance of plasmaspheric plasma in the outer magnetosphere in association with the substorm growth phase. <i>Geophysical Research Letters</i> , 1996, 23, 801-804.	1.5	13
514	Quiet time densities of hot ions at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1998, 103, 17571-17585.	3.3	13
515	Comparison between simulations and calibrations of a high resolution electrostatic analyzer. <i>Review of Scientific Instruments</i> , 2001, 72, 3662-3669.	0.6	13
516	Saturn kilometric radiation as a monitor for the solar wind?. <i>Advances in Space Research</i> , 2008, 42, 40-47.	1.2	13
517	Thin dead-layer avalanche photodiodes enable low-energy ion measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 614, 271-277.	0.7	13
518	On the relationship between coronal heating, magnetic flux, and the density of the solar wind. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	13
519	A Linear Mode Avalanche Photodiode for Ion Detection in the Energy Range 5â€“250 keV. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 2601-2607.	1.2	13
520	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.	1.6	13
521	Signal Processing for the Measurement of the Deuterium/Hydrogen Ratio in the Local Interstellar Medium. <i>Entropy</i> , 2014, 16, 1134-1168.	1.1	13
522	INTERPLANETARY MAGNETIC FIELD SECTOR FROM SOLAR WIND AROUND PLUTO (SWAP) MEASUREMENTS OF HEAVY ION PICKUP NEAR PLUTO. <i>Astrophysical Journal Letters</i> , 2016, 823, L30.	3.0	13

#	ARTICLE	IF	CITATIONS
523	Jovian deep magnetotail composition and structure. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1763-1777.	0.8	13
524	Preliminary JIRAM results from Juno polar observations: 3. Evidence of diffuse methane presence in the Jupiter auroral regions. <i>Geophysical Research Letters</i> , 2017, 44, 4641-4648.	1.5	13
525	Effects of Solar Activity on the Local Interstellar Magnetic Field Observed by Voyager 1 and IBEX. <i>Astrophysical Journal</i> , 2017, 849, 135.	1.6	13
526	The Big Picture: Imaging of the Global Geospace Environment by the TWINS Mission. <i>Reviews of Geophysics</i> , 2018, 56, 251-277.	9.0	13
527	Proton Outflow Associated With Jupiter's Auroral Processes. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	13
528	Solar energetic particle heavy ion properties in the widespread event of 2020 November 29. <i>Astronomy and Astrophysics</i> , 2021, 656, L12.	2.1	13
529	Parker Solar Probe observations of He/H abundance variations in SEP events inside 0.5 au. <i>Astronomy and Astrophysics</i> , 2021, 650, A23.	2.1	13
530	Suprathermal ions and MHD turbulence observed upstream of an interplanetary shock by Advanced Composition Explorer. <i>Journal of Geophysical Research</i> , 2000, 105, 7521-7531.	3.3	12
531	Hydrogen atom lifetimes in the three-dimensional heliosphere over the solar cycle. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	12
532	The IBEX Background Monitor. <i>Space Science Reviews</i> , 2009, 146, 105-115.	3.7	12
533	The Dynamic Heliosphere: Outstanding Issues. <i>Space Science Reviews</i> , 2009, 143, 57-83.	3.7	12
534	PICKUP IONS FROM ENERGETIC NEUTRAL ATOMS. <i>Astrophysical Journal Letters</i> , 2010, 712, L157-L159.	3.0	12
535	EXPLORING THE TIME DISPERSION OF THE IBEX-HI ENERGETIC NEUTRAL ATOM SPECTRA AT THE ECLIPTIC POLES. <i>Astrophysical Journal Letters</i> , 2012, 749, L41.	3.0	12
536	Latitudinal anisotropy in ring current energetic neutral atoms. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	12
537	First joint in situ and global observations of the medium-energy oxygen and hydrogen in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7615-7628.	0.8	12
538	Interstellar Gas Flow Vector and Temperature Determination over 5 Years of IBEX Observations. <i>Journal of Physics: Conference Series</i> , 2015, 577, 012019.	0.3	12
539	LONG-TERM TRENDS IN THE SOLAR WIND PROTON MEASUREMENTS. <i>Astrophysical Journal</i> , 2016, 832, 66.	1.6	12
540	Constraining the Evolution of the Proton Distribution Function in the Heliotail. <i>Astrophysical Journal</i> , 2018, 865, 150.	1.6	12

#	ARTICLE	IF	CITATIONS
541	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> , 2019, 875, 91.	1.6	12
542	He <sup>+</sup> Ions Comoving with the Solar Wind in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 875, 36.	1.6	12
543	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. <i>Astronomy and Astrophysics</i> , 2021, 650, L4.	2.1	12
544	The IBEX ribbon as a signature of the inhomogeneity of the local interstellar medium. <i>Astronomy and Astrophysics</i> , 2014, 561, A74.	2.1	12
545	Comparative Analysis of the 2020 November 29 Solar Energetic Particle Event Observed by Parker Solar Probe. <i>Astrophysical Journal</i> , 2021, 920, 123.	1.6	12
546	Anomalous Cosmic-Ray Oxygen Observations into 0.1 au. <i>Astrophysical Journal</i> , 2022, 925, 9.	1.6	12
547	Interstellar Neutral He Parameters from Crossing Parameter Tubes with the Interstellar Mapping and Acceleration Probe Informed by 10 yr of Interstellar Boundary Explorer Observations. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 7.	3.0	12
548	Channel multiplier compatible materials and lifetime tests. <i>Review of Scientific Instruments</i> , 1984, 55, 463-467.	0.6	11
549	ISEE 3 observations of solar wind thermal electrons with $\langle T \rangle$ and $\langle T^2 \rangle$ . <i>Journal of Geophysical Research</i> , 1989, 94, 13377-13386.	3.3	11
550	Pinhole detection in thin foils used in space plasma diagnostic instrumentation. <i>Review of Scientific Instruments</i> , 1992, 63, 4741-4743.	0.6	11
551	Suprathermal ions ahead of interplanetary shocks: New observations and critical instrumentation required for future space weather monitoring. <i>Space Weather</i> , 2004, 2, n/a-n/a.	1.3	11
552	The IBEX Flight Segment. <i>Space Science Reviews</i> , 2009, 146, 35-73.	3.7	11
553	A Composition Analysis Tool for the Solar Wind Around Pluto (SWAP) Instrument on New Horizons. <i>Space Science Reviews</i> , 2010, 156, 1-12.	3.7	11
554	Next-Generation solid-state detectors for charged particle spectroscopy. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6075-6091.	0.8	11
555	Editorial: Topical Volume on Developing the Solar Probe Plus Mission. <i>Space Science Reviews</i> , 2016, 204, 1-6.	3.7	11
556	Angular Scattering in Charge Exchange: Issues and Implications for Secondary Interstellar Hydrogen. <i>Astrophysical Journal</i> , 2019, 887, 223.	1.6	11
557	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.	0.8	11
558	IBEX Ribbon Separation Using Spherical Harmonic Decomposition of the Globally Distributed Flux. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 6.	3.0	11

#	ARTICLE	IF	CITATIONS
559	Simulations of coronal disconnection events. <i>Journal of Geophysical Research</i> , 1992, 97, 13733-13740.	3.3	10
560	Ulysses solar wind plasma observations from peak southerly latitude through perihelion and beyond. <i>AIP Conference Proceedings</i> , 1996, , .	0.3	10
561	Wavelet analysis of the structure of microstreams in the polar solar wind. <i>AIP Conference Proceedings</i> , 1997, , .	0.3	10
562	GEOTAIL observations of anomalously low density plasma in the magnetosheath. <i>Geophysical Research Letters</i> , 2000, 27, 3781-3784.	1.5	10
563	The Cassini Ion Mass Spectrometer. <i>Geophysical Monograph Series</i> , 2013, , 187-193.	0.1	10
564	A Quantitative Test of Different Magnetic Field Models Using Conjunctions Between DMSP and Geosynchronous Orbit. <i>Geophysical Monograph Series</i> , 0, , 167-172.	0.1	10
565	Transit-time aspects of ENA production models for the inner heliosheath. <i>Astronomy and Astrophysics</i> , 2014, 565, A81.	2.1	10
566	EXPLORING THE POSSIBILITY OF O AND Ne CONTAMINATION IN <i>ULYSSES</i> OBSERVATIONS OF INTERSTELLAR HELIUM. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 31.	3.0	10
567	LATITUDINAL AND ENERGY DEPENDENCE OF ENERGETIC NEUTRAL ATOM SPECTRAL INDICES MEASURED BY THE <i>INTERSTELLAR BOUNDARY EXPLORER</i>. <i>Astrophysical Journal</i> , 2015, 802, 100.	1.6	10
568	Determining the Alpha to Proton Density Ratio for the New Horizons Solar Wind Observations. <i>Astrophysical Journal</i> , 2018, 866, 85.	1.6	10
569	Inner Heliosheath Shocks and Their Effect on Energetic Neutral Atom Observations by IBEX. <i>Astrophysical Journal Letters</i> , 2019, 878, L24.	3.0	10
570	Asymmetric Structure of the Solar Wind and Heliosphere from IBEX Observations. <i>Astrophysical Journal</i> , 2020, 894, 13.	1.6	10
571	Response of Pickup Ions in the Very Local Interstellar Medium to Solar Variations: Implications for the Evolution of the IBEX Ribbon and Interstellar Helium. <i>Astrophysical Journal</i> , 2020, 891, 56.	1.6	10
572	First Observations of Anomalous Cosmic Rays in to 36 Solar Radii. <i>Astrophysical Journal</i> , 2021, 912, 139.	1.6	10
573	Advances in Low Energy Neutral Atom Imaging. <i>Geophysical Monograph Series</i> , 1998, , 275-280.	0.1	10
574	Energetic Particles Associated with a Coronal Mass Ejection Shock Interacting with a Convected Magnetic Structure. <i>Astrophysical Journal</i> , 2021, 921, 102.	1.6	10
575	Channel electron multiplier compatibility with Viton and Apiezonâ€ vacuum grease. <i>Review of Scientific Instruments</i> , 1987, 58, 2331-2332.	0.6	9
576	<title>Low-energy neutral-atom imaging</title>. , 1992, 1744, 40.		9

#	ARTICLE	IF	CITATIONS
577	Reconnection on open field lines ahead of coronal mass ejections. <i>Space Science Reviews</i> , 1995, 72, 129-132.	3.7	9
578	Magnetosheath electrons in anomalously low density solar wind observed by Geotail. <i>Geophysical Research Letters</i> , 2000, 27, 3253-3256.	1.5	9
579	Plasmaspheric observations at geosynchronous orbit. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2001, 63, 1185-1197.	0.6	9
580	Low-energy solar electron bursts and solar wind stream structure at 1 AU. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	9
581	An unusually fast interplanetary coronal mass ejection observed by Ulysses at 5 AU on 15 November 2003. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	9
582	The interstellar boundary explorer (IBEX): Update at the end of phase B. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	9
583	A mass analysis technique using coincidence measurements from the Interstellar Boundary Explorer-Hi ( $\sim 0.3$ – $146$ keV) detector. <i>Review of Scientific Instruments</i> , 2008, 79, 096107.	0.6	9
584	Avalanche Photodiode Arrays Enable Large-Area Measurements of Medium-Energy Electrons. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 2533-2537.	1.2	9
585	Analytical estimate for low-altitude ENA emissivity. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1167-1191.	0.8	9
586	Parallax of the IBEX Ribbon Indicates a Spatially Retained Source. <i>Astrophysical Journal</i> , 2019, 879, 106.	1.6	9
587	The Characterization of Secondary Interstellar Neutral Oxygen beyond the Heliopause: A Detailed Analysis of the IBEX-Lo Oxygen Observations. <i>Astrophysical Journal</i> , 2019, 880, 4.	1.6	9
588	Energetic particle evolution during coronal mass ejection passage from 0.3 to 1 AU. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	9
589	Energetic Neutral Atom Fluxes from the Heliosheath: Constraints from in situ Measurements and Models. <i>Astrophysical Journal Letters</i> , 2021, 915, L26.	3.0	9
590	Cassini Plasma Spectrometer Investigation. , 2004, , 1-112.		9
591	Small Electron Events Observed by Parker Solar Probe/IS $\tilde{M}$ IS during Encounter 2. <i>Astrophysical Journal</i> , 2020, 902, 20.	1.6	9
592	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 48.	3.0	9
593	Observations of suprathermal electron conies in an interplanetary coronal mass ejection. <i>Geophysical Research Letters</i> , 1999, 26, 2613-2616.	1.5	8
594	The Three-Dimensional Structure of the Solar Wind Over the Solar Cycle. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	8

#	ARTICLE	IF	CITATIONS
595	The entrance system laboratory prototype for an advanced mass and ionic charge composition experiment. <i>Review of Scientific Instruments</i> , 2009, 80, 104502.	0.6	8
596	Composition of 1–128 keV Magnetospheric ENAs. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2668-2678.	0.8	8
597	Magnetosphere dynamics during the 14 November 2012 storm inferred from TWINS, AMPERE, Van Allen Probes, and BATS-R-US-CRCM. <i>Annales Geophysicae</i> , 2018, 36, 107-124.	0.6	8
598	Distance to the Energetic Neutral Hydrogen Source from the Heliotail. <i>Astrophysical Journal</i> , 2020, 897, 138.	1.6	8
599	<title>Forecasting the arrival of fast coronal-mass ejecta at Earth by the detection of 2-20keV neutral atoms</title>. , 1992, 1744, 72.		7
600	Low-energy neutral-atom imaging techniques for remote observations of the magnetosphere. <i>Journal of Spacecraft and Rockets</i> , 1995, 32, 899-904.	1.3	7
601	<title>Cassini plasma spectrometer investigation</title>. , 1996, , .		7
602	Properties and radial trends of coronal mass ejecta and their associated shocks observed by Ulysses in the ecliptic plane. <i>Journal of Geophysical Research</i> , 2000, 105, 12617-12626.	3.3	7
603	Remote Sensing of H from Ulysses and Galileo. <i>Space Science Reviews</i> , 2001, 97, 393-399.	3.7	7
604	VLF wave activity in the solar wind and the photoelectron effect in electric field measurements: Ulysses observations. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	7
605	Solar Wind Speed And Temperature Relationship. , 2010, , .		7
606	Non-equilibrium Stationary States in the Heliosphere and the Influence of Pick-up Ions. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	7
607	Cassini Plasma Spectrometer Investigation. <i>Geophysical Monograph Series</i> , 2013, , 237-242.	0.1	7
608	Limited Resource Plasma Analyzers: Miniaturization Concepts. <i>Geophysical Monograph Series</i> , 0, , 157-167.	0.1	7
609	LATITUDE, ENERGY, AND TIME VARIATIONS IN THE ENERGETIC NEUTRAL ATOM SPECTRAL INDICES MEASURED BY THE INTERSTELLAR BOUNDARY EXPLORER (IBEX). <i>Astrophysical Journal</i> , 2016, 832, 116.	1.6	7
610	Galactic Cosmic-ray Anisotropies: Electrons Observed by Voyager 1 in the Very Local Interstellar Medium. <i>Astrophysical Journal</i> , 2020, 895, 103.	1.6	7
611	Stream Interaction Regions at High Heliographic Latitudes during Ulysses's™ Second Polar Orbit. , 2001, , 189-192.		7
612	Breathing of the Heliosphere. <i>Astrophysical Journal</i> , 2021, 922, 250.	1.6	7

#	ARTICLE	IF	CITATIONS
613	Closed Fluxtubes and Dispersive Proton Conics at Jupiter's Polar Cap. Geophysical Research Letters, 2022, 49, .	1.5	7
614	The Suess-Urey mission (return of solar matter to Earth). Acta Astronautica, 1996, 39, 229-238.	1.7	6
615	Warm protons at geosynchronous orbit. Journal of Geophysical Research, 1997, 102, 2291-2300.	3.3	6
616	MAGNETIC FLUX TUBES AT 3 AU?. Solar Physics, 1997, 174, 329-340.	1.0	6
617	Coronal magnetic field topology and source of fast solar wind. Geophysical Research Letters, 1999, 26, 2901-2904.	1.5	6
618	A high-latitude interplanetary magnetic field enhancement at Ulysses. Journal of Geophysical Research, 2002, 107, SSH 2-1.	3.3	6
619	Heliospheric Langmuir wave observations from the Ulysses spacecraft. Advances in Space Research, 2003, 32, 479-483.	1.2	6
620	Space applications of microelectromechanical systems: Southwest Research Institute's vacuum microprobe facility and initial vacuum test results. Review of Scientific Instruments, 2003, 74, 3874-3878.	0.6	6
621	Temperature dependence of the thin dead layer avalanche photodiode for low energy electron measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 611, 93-98.	0.7	6
622	Timing of changes in the solar wind energy input in relation to ionospheric response. Journal of Geophysical Research, 2010, 115, .	3.3	6
623	The free escape continuum of diffuse ions upstream of the Earth's quasi-parallel bow shock. Journal of Geophysical Research: Space Physics, 2013, 118, 4425-4434.	0.8	6
624	The Magnetospheric Trough. Geophysical Monograph Series, 2013, , 355-369.	0.1	6
625	An integrated time-of-flight versus residual energy subsystem for a compact dual ion composition experiment for space plasmas. Review of Scientific Instruments, 2015, 86, 054501.	0.6	6
626	Latitudinal extent of large-scale structures in the solar wind. Annales Geophysicae, 2003, 21, 1331-1339.	0.6	6
627	IBEX's "Interstellar Boundary Explorer. , 2009, , 11-33.		6
628	<title>Low-energy neutral atoms in the Earth's magnetosphere: modeling</title>. , 1992, 1744, 51.		5
629	<title>Application of thin foils in low-energy neutral-atom detection</title>. , 1992, , .		5
630	Imaging of magnetospheric dynamics using low energy neutral atom detection. Geophysical Monograph Series, 1994, , 275-282.	0.1	5

#	ARTICLE	IF	CITATIONS
631	Three-dimensional neutral atom imaging of tokamak plasmas. Review of Scientific Instruments, 1995, 66, 336-338.	0.6	5
632	A reexamination of the local time asymmetry of lobe encounters at geosynchronous orbit: CRRES, ATS 5, and LANL observations. Journal of Geophysical Research, 1998, 103, 9207-9216.	3.3	5
633	Polar observations and model predictions during May 4, 1998, magnetopause, magnetosheath, and bow shock crossings. Journal of Geophysical Research, 2001, 106, 18927-18942.	3.3	5
634	The dynamic 3D heliosphere: Implications for and new sources of its energetic particles. Advances in Space Research, 2003, 32, 531-542.	1.2	5
635	Assessment of the magnetospheric contribution to the suprathermal ions in Saturn's foreshock region. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	5
636	Reflections of ions in electrostatic analyzers: A case study with New Horizons/Solar Wind Around Pluto. Review of Scientific Instruments, 2010, 81, 114501.	0.6	5
637	Transient Phenomena in the Distant Solar Wind and in the Heliosheath. , 2010, , .		5
638	EDITORIAL: INTERSTELLAR BOUNDARY EXPLORER ( IBEX ): DIRECT SAMPLING OF THE INTERSTELLAR MEDIUM. Astrophysical Journal, Supplement Series, 2012, 198, 8.	3.0	5
639	The Interstellar Boundary Explorer (IBEX):. Space Science Reviews, 2013, 176, 101-113.	3.7	5
640	The Cassini Ion Mass Spectrometer: Performance Metrics and Techniques. Geophysical Monograph Series, 2013, , 209-214.	0.1	5
641	The SupraThermal Ion Monitor for space weather predictions. Review of Scientific Instruments, 2014, 85, 054501.	0.6	5
642	Compact Dual Ion Composition Experiment for space plasmasâ€”CoDICE. Journal of Geophysical Research: Space Physics, 2016, 121, 6632-6638.	0.8	5
643	Terrestrial Energetic Neutral Atom Emissions and the Ground-Based Geomagnetic Indices: Implications From IBEX Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 8761-8777.	0.8	5
644	Observation of Kolmogorov Turbulence in the Jovian Magnetosheath From JADE Data. Geophysical Research Letters, 2021, 48, e2021GL095006.	1.5	5
645	The Interstellar Boundary Explorer High Energy (IBEX-Hi) Neutral Atom Imager. , 2009, , 75-103.		5
646	Juno In Situ Observations Above the Jovian Equatorial Ionosphere. Geophysical Research Letters, 2020, 47, e2020GL087623.	1.5	5
647	A Consistent Scenario for the IBEX Ribbon, Anisotropies in TeV Cosmic Rays, and the Local Interstellar Medium. ASTRA Proceedings, 0, 2, 9-16.	0.0	5
648	Taylor Microscale and Effective Reynolds Number near the Sun from PSP. Astrophysical Journal, 2022, 933, 33.	1.6	5

#	ARTICLE	IF	CITATIONS
649	Evolution of the interplanetary magnetic field. Geophysical Monograph Series, 1994, , 53-64.	0.1	4
650	He abundance variations in the solar wind: Observations from Ulysses. AIP Conference Proceedings, 1996, , .	0.3	4
651	E <sup>+</sup> energy-mass spectrograph for measurement of ions and neutral atoms. Review of Scientific Instruments, 1997, 68, 292-295.	0.6	4
652	Source Region of High and Low Speed Wind during the Spartan 201-05 Flight. Space Science Reviews, 2001, 97, 45-50.	3.7	4
653	Langmuir Wave Activity: Comparing the Ulysses Solar Minimum and Solar Maximum Orbits. Space Science Reviews, 2001, 97, 141-146.	3.7	4
654	Interstellar Pathfinder – A Mission to the Inner Edge of the Interstellar Medium. AIP Conference Proceedings, 2003, , .	0.3	4
655	A simple 3D plasma instrument with an electrically adjustable geometric factor for space research. Measurement Science and Technology, 2012, 23, 025901.	1.4	4
656	Plasma and energetic particle observations in Jupiter's deep tail near the magnetopause. Journal of Geophysical Research: Space Physics, 2014, 119, 6432-6444.	0.8	4
657	Avalanche photodiode based time-of-flight mass spectrometry. Review of Scientific Instruments, 2015, 86, 083302.	0.6	4
658	Low-Altitude Emission of Energetic Neutral Atoms: Multiple Interactions and Energy Loss. Journal of Geophysical Research: Space Physics, 2017, 122, 10,203-10,234.	0.8	4
659	Dynamics of a geomagnetic storm on 10 September 2015 as observed by TWINS and simulated by CIMI. Annales Geophysicae, 2018, 36, 1439-1456.	0.6	4
660	A double-cusp type electrostatic analyzer for high-cadence solar-wind suprathermal ion observations. Review of Scientific Instruments, 2018, 89, 114503.	0.6	4
661	First Global Images of Ion Energization in the Terrestrial Foreshock by the Interstellar Boundary Explorer. Geophysical Research Letters, 2020, 47, e2020GL088188.	1.5	4
662	Between Local Interstellar Magnetic and Dynamic Pressure Balance of Heliospheric Boundaries Measured with the IBEX Ribbon – A New Paradigm. Astrophysical Journal, 2021, 914, 129.	1.6	4
663	Probing the Magnetosheath Boundaries Using Interstellar Boundary Explorer (IBEX) Orbital Encounters. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029278.	0.8	4
664	The Galactic Environment of the Sun: Interstellar Material Inside and Outside of the Heliosphere. , 2009, , 235-273.		4
665	Neutral atom imaging: UV rejection techniques. Geophysical Monograph Series, 1998, , 251-256.	0.1	4
666	Black-body radiation in space plasmas. Europhysics Letters, 2021, 135, 49001.	0.7	4

#	ARTICLE	IF	CITATIONS
667	Radially uniform electron source. Review of Scientific Instruments, 1982, 53, 1490-1491.	0.6	3
668	<title>Low-energy neutral-atom imaging techniques</title>. , 1993, 2008, 93.		3
669	Survey of pancake-shaped warm ion distributions at geosynchronous orbit. Journal of Geophysical Research, 1999, 104, 28625-28632.	3.3	3
670	Energetic Neutral Atom Imaging of the Outer Heliosphere-LISM Interaction Region. COSPAR Colloquia Series, 2001, 11, 237-244.	0.2	3
671	ENA Imaging of the Inner Heliosheathâ€”Preparing forÂthe Interstellar Boundary Explorer (IBEX). Space Science Reviews, 2009, 143, 125-138.	3.7	3
672	IBEX Education and Public Outreach. Space Science Reviews, 2009, 146, 353-369.	3.7	3
673	Connecting the interstellar magnetic field at the heliosphere to the Loop I superbubble. Journal of Physics: Conference Series, 2015, 577, 012010.	0.3	3
674	Following the interstellar magnetic field from the heliosphere into space with polarized starlight. Journal of Physics: Conference Series, 2016, 767, 012010.	0.3	3
675	Modeling the response of a top hat electrostatic analyzer in an external magnetic field: Experimental validation with the Juno JADEâ€E sensor. Journal of Geophysical Research: Space Physics, 2016, 121, 5121-5136.	0.8	3
676	Thin silicon solid-state detectors for energetic particle measurements. Astronomy and Astrophysics, 2021, 650, A27.	2.1	3
677	Magnetospheric Science Objectives of the Juno Mission. , 2014, , 39-107.		3
678	Simultaneous UV Images and Highâ€Latitude Particle and Field Measurements During an Auroral Dawn Storm at Jupiter. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029679.	0.8	3
679	PSP/ISAâŠ™IS Observation of a Solar Energetic Particle Event Associated with a Streamer Blowout Coronal Mass Ejection during Encounter 6. Astrophysical Journal, 2022, 925, 212.	1.6	3
680	Suprathermal Ion Energy Spectra and Anisotropies near the Heliospheric Current Sheet Crossing Observed by the Parker Solar Probe during Encounter 7. Astrophysical Journal, 2022, 927, 62.	1.6	3
681	Magnetospheric Plasma Analyzer (MPA): Plasma observations from geosynchronous orbit. AIP Conference Proceedings, 1996, , .	0.3	2
682	Coordinated ground-based and geosynchronous satellite-based measurements of auroral pulsations. , 1997, , .		2
683	Angular distributions of suprathermal electrons observed at geosynchronous orbit. Journal of Geophysical Research, 1999, 104, 4457-4466.	3.3	2
684	Solar wind velocity structure around the solar maximum observed by interplanetary scintillation. AIP Conference Proceedings, 2003, , .	0.3	2

#	ARTICLE	IF	CITATIONS
685	Derivation of fluid conservation relations to infer near-Sun properties of coronal mass ejections from in situ measurements. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	2
686	Relating IBEX and Voyager Data through Global Modeling of the Heliospheric Interface. , 2010, , .		2
687	Density Correlations between Solar wind and Pick-up Ions. , 2010, , .		2
688	Response in electrostatic analyzers due to backscattered electrons: Case study analysis with the Juno Jovian Auroral Distribution Experiment-Electron instrument. <i>Review of Scientific Instruments</i> , 2013, 84, 105109.	0.6	2
689	A Synthesis of Measured and Deduced Properties of Pickup Ions in the Venus-Solar Wind Interaction. <i>Geophysical Monograph Series</i> , 0, , 405-415.	0.1	2
690	Anisotropies in TeV Cosmic Rays Related to the IBEX Ribbon. <i>Journal of Physics: Conference Series</i> , 2014, 531, 012010.	0.3	2
691	Constraining the IMF at Pluto Using New Horizons SWAP Data and Hybrid Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1568-1581.	0.8	2
692	Global ENA Imaging and In Situ Observations of Substorm Dipolarization on 10 August 2016. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027733.	0.8	2
693	The Role and Contributions of Energetic Neutral Atom (ENA) Imaging in Magnetospheric Substorm Research. , 2003, , 155-182.		2
694	Ulysses Solar Wind Observations to 56° South. , 1995, , 93-98.		2
695	The Magnetosheath and Magnetotail of Venus. , 1991, , 1-80.		2
696	The IBEX-Lo Sensor. , 2009, , 117-147.		2
697	IBEX Backgrounds and Signal-to-Noise Ratio. , 2009, , 173-206.		2
698	The Interstellar Boundary Explorer Science Operations Center. , 2009, , 207-234.		2
699	Average Ring Current Response to Solar Wind Drivers: Statistical Analysis of 61 Days of ENA Images. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
700	Determining the Near-Instantaneous Curvature of Earth's Bow Shock Using Simultaneous IBEX and MMS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
701	First Measurements of Jovian Electrons by Parker Solar Probe/IS <sup>TM</sup> IS within 0.5 au of the Sun. <i>Astrophysical Journal</i> , 2022, 933, 171.	1.6	2
702	Bistatic LIDAR experiment proposed for the shuttle/tethered satellite system missions. <i>Review of Scientific Instruments</i> , 1985, 56, 670-673.	0.6	1

#	ARTICLE	IF	CITATIONS
703	Gurnis, McComas receive Macelwane Medals. <i>Eos</i> , 1993, 74, 403.	0.1	1
704	<title>Advances in low-energy neutral-atom imaging techniques</title>. , 1993, 2008, 74.		1
705	Reply [to "Comment on "The underlying magnetic field direction in Ulysses observations of the southern polar heliosphere"™ by Forsyth et al."]. <i>Geophysical Research Letters</i> , 1996, 23, 3281-3282.	1.5	1
706	Dynamics and variability of the plasmasphere observed from synchronous orbit. <i>AIP Conference Proceedings</i> , 1996, , .	0.3	1
707	Structures in the polar solar wind: Plasma and field observations from Ulysses. <i>AIP Conference Proceedings</i> , 1996, , .	0.3	1
708	Wave power dropouts associated with radial field intervals in high speed solar wind. <i>Geophysical Research Letters</i> , 1998, 25, 4297-4300.	1.5	1
709	Particle acceleration at a blunt termination shock. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	1
710	Exploring the Boundaries of our Heliosphere: The Interstellar Boundary Explorer (IBEX) and Solar Probe. , 2009, , .		1
711	First Results from the Interstellar Boundary Explorer (IBEX) Mission. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	1
712	Three-Dimensional Plasma Measurements from Three-Axis Stabilized Spacecraft. <i>Geophysical Monograph Series</i> , 0, , 441-452.	0.1	1
713	Anisotropies in TeV Cosmic Rays Related to the Local Interstellar Magnetic Field from the IBEX Ribbon. <i>Journal of Physics: Conference Series</i> , 2015, 577, 012023.	0.3	1
714	The Local Interstellar Magnetic Field Observed by Voyager 1 and IBEX. <i>Journal of Physics: Conference Series</i> , 2018, 1100, 012021.	0.3	1
715	Empirical Characterization of Low-Altitude Ion Flux Derived from TWINS. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3672-3691.	0.8	1
716	Structure of the IBEX Ribbon from Distributed Sources. <i>Journal of Physics: Conference Series</i> , 2019, 1332, 012013.	0.3	1
717	Ulysses™ Second Orbit: Remarkably Different Solar Wind. , 2001, , 99-103.		1
718	The IBEX Background Monitor. , 2008, , 105-115.		1
719	The Dynamic Heliosphere: Outstanding Issues. <i>Space Sciences Series of ISSI</i> , 2009, , 57-83.	0.0	1
720	The IBEX Flight Segment. , 2009, , 35-73.		1

#	ARTICLE	IF	CITATIONS
721	Diagnosing the Neutral Interstellar Gas Flow at 1 AU with IBEX-Lo. , 2009, , 149-172.		1
722	IBEX Education and Public Outreach. , 2009, , 353-369.		1
723	The Solar Wind " Inner Heliosphere. Space Sciences Series of ISSI, 1998, , 75-86.	0.0	1
724	A Persistent Depletion of Plasma Ions Within Jupiter's Auroral Polar Caps. Geophysical Research Letters, 2020, 47, .	1.5	1
725	Reply [to "Geomagnetic activity associated with Earth passage of interplanetary shock disturbances and coronal mass ejections" by J. T. Gosling, D. J. McComas, J. L. Phillips, and S. J. Bame]. Journal of Geophysical Research, 1993, 98, 1509-1510.	3.3	0
726	<title>Terrestrial magnetospheric imaging: numerical modeling of low-energy neutral atoms</title>. , 1993, 2008, 190.		0
727	The underlying magnetic field direction in Ulysses observations of the southern polar heliosphere. AIP Conference Proceedings, 1996, , .	0.3	0
728	A transient solar wind disturbance observed at both low and high heliographic latitudes. AIP Conference Proceedings, 1996, , .	0.3	0
729	Velocity variations in the high-latitude solar wind. AIP Conference Proceedings, 1996, , .	0.3	0
730	Hot proton anisotropies and cool proton heating in the outer magnetosphere. AIP Conference Proceedings, 1996, , .	0.3	0
731	Plasma Experiment for Planetary Exploration (PEPE). , 1997, , .		0
732	Plasma signatures of radial field power dropouts. , 1999, , .		0
733	Comparison of VLF Wave Activity in the Solar Wind During Solar Maximum and Minimum: Ulysses Observations. AIP Conference Proceedings, 2003, , .	0.3	0
734	A Technique For Comparing Solar Wind Structures Observed By ACE And Ulysses. AIP Conference Proceedings, 2003, , .	0.3	0
735	Influence of electron impact ionization on the termination shock: model case studies. AIP Conference Proceedings, 2004, , .	0.3	0
736	Heliospheric Pickup Ions and Favored Acceleration Locations at the Termination Shock (FALTS): Are Voyager observations really inconsistent?. AIP Conference Proceedings, 2004, , .	0.3	0
737	Recent IBEX Observations and the Evolving Interstellar Interaction. , 2011, , .		0
738	Update on IBEX and the outer boundary of the space radiation environment. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
739	Physics derived from IBEX ENA fluxes and direct interstellar neutral measurements. , 2013, , .		0
740	Energetic neutral atom and interstellar flow observations with IBEX: Implications for the global heliosphere. AIP Conference Proceedings, 2016, , .	0.3	0
741	ENA Imaging of the Inner Heliosheathâ€”Preparing for the Interstellar Boundary Explorer (IBEX). Space Sciences Series of ISSI, 2008, , 125-138.	0.0	0
742	The Interstellar Boundary Explorer (IBEX):. Space Sciences Series of ISSI, 2010, , 101-113.	0.0	0
743	The Jovian Auroral Distributions Experiment (JADE) on the Juno Mission to Jupiter. , 2013, , 529-625.		0
744	Ulysses Observations of Solar Wind Plasma Parameters in the Ecliptic from 1.4 to 5.4 AU and Out of the Ecliptic. , 1995, , 113-116.		0
745	Reconnection on Open Field Lines Ahead of Coronal Mass Ejections. , 1995, , 129-132.		0