

# Nathan A Schwadron

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4185425/publications.pdf>

Version: 2024-02-01

329  
papers

14,167  
citations

22099

59  
h-index

31759

101  
g-index

336  
all docs

336  
docs citations

336  
times ranked

3838  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Observations of the Interstellar Interaction from the Interstellar Boundary Explorer (IBEX). <i>Science</i> , 2009, 326, 959-962.	6.0	461
2	Composition of quasi-stationary solar wind flows from Ulysses/Solar Wind Ion Composition Spectrometer. <i>Journal of Geophysical Research</i> , 2000, 105, 27217-27238.	3.3	445
3	Weaker solar wind from the polar coronal holes and the whole Sun. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	390
4	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. <i>Nature</i> , 2019, 576, 228-231.	13.7	311
5	IBEX—Interstellar Boundary Explorer. <i>Space Science Reviews</i> , 2009, 146, 11-33.	3.7	305
6	The three-dimensional solar wind around solar maximum. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	239
7	The Heliosphere’s Interstellar Interaction: No Bow Shock. <i>Science</i> , 2012, 336, 1291-1293.	6.0	226
8	Comparison of Interstellar Boundary Explorer Observations with 3D Global Heliospheric Models. <i>Science</i> , 2009, 326, 966-968.	6.0	221
9	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
10	Structures and Spectral Variations of the Outer Heliosphere in IBEX Energetic Neutral Atom Maps. <i>Science</i> , 2009, 326, 964-966.	6.0	198
11	The Behavior of the Open Magnetic Field of the Sun. <i>Astrophysical Journal</i> , 2001, 560, 425-438.	1.6	189
12	The IBEX-Lo Sensor. <i>Space Science Reviews</i> , 2009, 146, 117-147.	3.7	171
13	Width and Variation of the ENA Flux Ribbon Observed by the Interstellar Boundary Explorer. <i>Science</i> , 2009, 326, 962-964.	6.0	166
14	WEAKEST SOLAR WIND OF THE SPACE AGE AND THE CURRENT “MINI”-SOLAR MAXIMUM. <i>Astrophysical Journal</i> , 2013, 779, 2.	1.6	166
15	INTERSTELLAR GAS FLOW PARAMETERS DERIVED FROM INTERSTELLAR BOUNDARY EXPLORER-Lo OBSERVATIONS IN 2009 AND 2010: ANALYTICAL ANALYSIS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 198, 11.	3.0	160
16	SEPARATION OF THE INTERSTELLAR BOUNDARY EXPLORER RIBBON FROM GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX. <i>Astrophysical Journal</i> , 2011, 731, 56.	1.6	153
17	NEUTRAL INTERSTELLAR HELIUM PARAMETERS BASED ON IBEX-Lo OBSERVATIONS AND TEST PARTICLE CALCULATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 198, 12.	3.0	145
18	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. <i>Space Science Reviews</i> , 2016, 204, 187-256.	3.7	139

#	ARTICLE	IF	CITATIONS
19	Direct Observations of Interstellar H, He, and O by the Interstellar Boundary Explorer. <i>Science</i> , 2009, 326, 969-971.	6.0	135
20	On the Coronal Magnetic Field: Consequences of Large-Scale Motions. <i>Astrophysical Journal</i> , 1999, 521, 868-877.	1.6	132
21	FIRST SKY MAP OF THE INNER HELIOSHEATH TEMPERATURE USING <i>IBEX</i> SPECTRA. <i>Astrophysical Journal</i> , 2011, 734, 1.	1.6	132
22	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	129
23	LOCAL INTERSTELLAR MEDIUM: SIX YEARS OF DIRECT SAMPLING BY <i>IBEX</i> . <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 22.	3.0	128
24	An explanation of the Voyager paradox: Particle acceleration at a blunt termination shock. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	123
25	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
26	Statistical acceleration of interstellar pick-up ions in co-rotating interaction regions. <i>Geophysical Research Letters</i> , 1996, 23, 2871-2874.	1.5	119
27	The suprathermal seed population for corotating interaction region ions at 1 AU deduced from composition and spectra of H <sup>+</sup> , He <sup>++</sup> , and He <sup>+</sup> observed on Wind. <i>Journal of Geophysical Research</i> , 2000, 105, 23107-23122.	3.3	119
28	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
29	Weak pitch angle scattering of few MV rigidity ions from measurements of anisotropies in the distribution function of interstellar pickup H <sup>+</sup> . <i>Geophysical Research Letters</i> , 1995, 22, 2665-2668.	1.5	118
30	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
31	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
32	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019, 576, 223-227.	13.7	103
33	The Solar Wind Around Pluto (SWAP) Instrument Aboard New Horizons. <i>Space Science Reviews</i> , 2008, 140, 261-313.	3.7	102
34	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
35	Global Anisotropies in TeV Cosmic Rays Related to the Sun's Local Galactic Environment from <i>IBEX</i> . <i>Science</i> , 2014, 343, 988-990.	6.0	98
36	SPATIAL RETENTION OF IONS PRODUCING THE <i>IBEX</i> RIBBON. <i>Astrophysical Journal</i> , 2013, 764, 92.	1.6	97

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	OFF-LIMB SOLAR CORONAL WAVEFRONTS FROM <i>SDO</i> /AIA EXTREME-ULTRAVIOLET OBSERVATIONS—IMPLICATIONS FOR PARTICLE PRODUCTION. <i>Astrophysical Journal Letters</i> , 2011, 733, L25.	3.0	91
40	THE HELIOTAIL REVEALED BY THE INTERSTELLAR BOUNDARY EXPLORER. <i>Astrophysical Journal</i> , 2013, 771, 77.	1.6	90
41	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
42	<i>IBEX</i> : THE FIRST FIVE YEARS (2009-2013). <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 20.	3.0	89
43	Interplanetary coronal mass ejections from MESSENGER orbital observations at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6101-6118.	0.8	88
44	Elemental composition of the inner source pickup ions. <i>Journal of Geophysical Research</i> , 2000, 105, 7459-7463.	3.3	86
45	Space radiation risk limits and Earth-Moon-Mars environmental models. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	85
46	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
47	<i>IBEX</i> 's Enigmatic Ribbon in the sky and its many possible sources. <i>Reviews of Geophysics</i> , 2014, 52, 118-155.	9.0	79
48	Seven Years of Imaging the Global Heliosphere with <i>IBEX</i> . <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 41.	3.0	79
49	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM <i>IBEX</i> OBSERVATIONS. IV. FLOW VECTOR, MACH NUMBER, AND ABUNDANCE OF THE WARM BREEZE. <i>Astrophysical Journal, Supplement Series</i> , 2016, 223, 25.	3.0	71
50	Implications of solar wind suprathermal tails for <i>IBEX</i> ENA images of the heliosheath. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	67
51	Lunar radiation environment and space weathering from the Cosmic Ray Telescope for the Effects of Radiation (CRaTER). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	67
52	Energetic neutral atoms from the Earth's subsolar magnetopause. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	66
53	PRESSURE OF THE PROTON PLASMA IN THE INNER HELIOSHEATH. <i>Astrophysical Journal</i> , 2013, 762, 134.	1.6	65
54	<i>IBEX</i> 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

#	ARTICLE	IF	CITATIONS
55	Decades-Long Changes of the Interstellar Wind Through Our Solar System. <i>Science</i> , 2013, 341, 1080-1082.	6.0	63
56	Inner source distributions: Theoretical interpretation, implications, and evidence for inner source protons. <i>Journal of Geophysical Research</i> , 2000, 105, 7465-7472.	3.3	62
57	Estimating total heliospheric magnetic flux from single-point in situ measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	62
58	Earth-Moon-Mars Radiation Environment Module framework. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	62
59	Switchbacks Explained: Super-Parker Fieldsâ€”The Other Side of the Sub-Parker Spiral. <i>Astrophysical Journal</i> , 2021, 909, 95.	1.6	62
60	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
61	LOCAL INTERSTELLAR NEUTRAL HYDROGEN SAMPLED IN SITU BY <i>IBEX</i> . <i>Astrophysical Journal, Supplement Series</i> , 2012, 198, 14.	3.0	59
62	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
63	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
64	Interstellar Pickup Ion Observations to 38 au. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 8.	3.0	59
65	An improved expected temperature formula for identifying interplanetary coronal mass ejections. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	58
66	Conservation of open solar magnetic flux and the floor in the heliospheric magnetic field. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	58
67	THE INTERACTION OF TWO CORONAL MASS EJECTIONS: INFLUENCE OF RELATIVE ORIENTATION. <i>Astrophysical Journal</i> , 2013, 778, 20.	1.6	58
68	Longitudinal conjunction between MESSENGER and STEREO A: Development of ICME complexity through stream interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6092-6106.	0.8	58
69	Solar Cycle of Imaging the Global Heliosphere: Interstellar Boundary Explorer (IBEX) Observations from 2009â€”2019. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 26.	3.0	58
70	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
71	THE INTERSTELLAR MAGNETIC FIELD CLOSE TO THE SUN. II.. <i>Astrophysical Journal</i> , 2012, 760, 106.	1.6	57
72	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
73	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
74	Does the worsening galactic cosmic radiation environment observed by CRaTER preclude future manned deep space exploration?. <i>Space Weather</i> , 2014, 12, 622-632.	1.3	55
75	PARTICLE ACCELERATION AT LOW CORONAL COMPRESSION REGIONS AND SHOCKS. <i>Astrophysical Journal</i> , 2015, 810, 97.	1.6	55
76	SUPERPOSITION OF STOCHASTIC PROCESSES AND THE RESULTING PARTICLE DISTRIBUTIONS. <i>Astrophysical Journal</i> , 2010, 713, 1386-1392.	1.6	53
77	Neutral atom imaging of the magnetospheric cusps. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	53
78	LOW ENERGY NEUTRAL ATOMS FROM THE HELIOSHEATH. <i>Astrophysical Journal</i> , 2014, 784, 89.	1.6	53
79	An explanation for strongly underwound magnetic field in co-rotating rarefaction regions and its relationship to footpoint motion on the the sun. <i>Geophysical Research Letters</i> , 2002, 29, 8-1-8-4.	1.5	51
80	Two Wide-Angle Imaging Neutral-Atom Spectrometers and Interstellar Boundary Explorer energetic neutral atom imaging of the 5 April 2010 substorm. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	51
81	Heliosphere Responds to a Large Solar Wind Intensification: Decisive Observations from IBEX. <i>Astrophysical Journal Letters</i> , 2018, 856, L10.	3.0	51
82	ENERGETIC NEUTRAL ATOMS MEASURED BY THE INTERSTELLAR BOUNDARY EXPLORER (IBEX): EVIDENCE FOR MULTIPLE HELIOSHEATH POPULATIONS. <i>Astrophysical Journal</i> , 2014, 780, 98.	1.6	49
83	GLOBAL NUMERICAL MODELING OF ENERGETIC PROTON ACCELERATION IN A CORONAL MASS EJECTION TRAVELING THROUGH THE SOLAR CORONA. <i>Astrophysical Journal</i> , 2013, 778, 43.	1.6	48
84	The Near-Sun Dust Environment: Initial Observations from Parker Solar Probe. <i>Astrophysical Journal</i> , Supplement Series, 2020, 246, 27.	3.0	47
85	HELIOSPHERIC NEUTRAL ATOM SPECTRA BETWEEN 0.01 AND 6 keV FROM IBEX. <i>Astrophysical Journal</i> , 2012, 754, 14.	1.6	46
86	Diffusive Acceleration at the Blunt Termination Shock. <i>Astrophysical Journal</i> , 2008, 675, 1584-1600.	1.6	45
87	Strongly underwound magnetic fields in co-rotating rarefaction regions: Observations and Implications. <i>Geophysical Research Letters</i> , 2002, 29, 23-1-23-4.	1.5	44
88	Role of coronal mass ejections in the heliospheric Hale cycle. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	44
89	A POSSIBLE GENERATION MECHANISM FOR THE IBEX RIBBON FROM OUTSIDE THE HELIOSPHERE. <i>Astrophysical Journal Letters</i> , 2010, 715, L84-L87.	3.0	44
90	PLASMA FLOWS AT VOYAGER 2 AWAY FROM THE MEASURED SUPRATHERMAL PRESSURES. <i>Astrophysical Journal Letters</i> , 2014, 795, L17.	3.0	44

#	ARTICLE	IF	CITATIONS
91	REVISITING THE ISN FLOW PARAMETERS, USING A VARIABLE<i>IBEX</i>POINTING STRATEGY. <i>Astrophysical Journal</i> , 2015, 804, 42.	1.6	44
92	Update on the Worsening Particle Radiation Environment Observed by CRaTER and Implications for Future Human Deepâ€Space Exploration. <i>Space Weather</i> , 2018, 16, 289-303.	1.3	44
93	The Interstellar Boundary Explorer (IBEX). <i>AIP Conference Proceedings</i> , 2004, , .	0.3	43
94	MAGNETIC FLUX BALANCE IN THE HELIOSPHERE. <i>Astrophysical Journal Letters</i> , 2010, 722, L132-L136.	3.0	43
95	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
96	Physical Processes in the Outer Heliosphere. <i>Space Science Reviews</i> , 2009, 146, 275-294.	3.7	42
97	CHARTING THE INTERSTELLAR MAGNETIC FIELD CAUSING THE<i>INTERSTELLAR BOUNDARY EXPLORER</i><i>IBEX</i> RIBBON OF ENERGETIC NEUTRAL ATOMS. <i>Astrophysical Journal</i> , 2015, 814, 112.	1.6	42
98	The sub-Parker spiral structure of the heliospheric magnetic field. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	41
99	Numerical simulation of the 12 May 1997 CME Event: The role of magnetic reconnection. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	40
100	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. <i>Astrophysical Journal</i> , 2012, 749, 50.	1.6	39
101	First IBEX observations of the terrestrial plasma sheet and a possible disconnection event. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	38
102	SPECTRAL PROPERTIES OF REGIONS AND STRUCTURES IN THE<i>INTERSTELLAR BOUNDARY EXPLORER</i><i>IBEX</i> SKY MAPS. <i>Astrophysical Journal</i> , 2011, 734, 29.	1.6	38
103	GEOMETRY AND CHARACTERISTICS OF THE HELIOSHEATH REVEALED IN THE FIRST FIVE YEARS OF INTERSTELLAR BOUNDARY EXPLORER OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 826, 58.	1.6	38
104	The Solar Wind Power from Magnetic Flux. <i>Astrophysical Journal</i> , 2008, 686, L33-L36.	1.6	37
105	ON THEORIES FOR STOCHASTIC ACCELERATION IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2010, 720, 533-540.	1.6	37
106	Time Dependence of the IBEX Ribbon and the Globally Distributed Energetic Neutral Atom Flux Using the First 9 Years of Observations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 1.	3.0	37
107	A slow bow shock ahead of the heliosphere. <i>Geophysical Research Letters</i> , 2013, 40, 2923-2928.	1.5	35
108	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM <i>IBEX</i> OBSERVATIONS. I. UNCERTAINTIES AND BACKGROUNDS IN THE DATA AND PARAMETER DETERMINATION METHOD. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 26.	3.0	35

#	ARTICLE	IF	CITATIONS
109	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
110	The Downwind Hemisphere of the Heliosphere: Eight Years of IBEX-Lo Observations. <i>Astrophysical Journal</i> , 2017, 851, 2.	1.6	35
111	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
112	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
113	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at $\sim 1/40.25$ au. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 29.	3.0	35
114	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
115	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
116	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
117	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
118	EXCITATION OF LOW-FREQUENCY WAVES IN THE SOLAR WIND BY NEWBORN INTERSTELLAR PICKUP IONS H <sup>+</sup> AND He <sup>+</sup> AS SEEN BY VOYAGER AT 4.5 AU. <i>Astrophysical Journal</i> , 2010, 724, 1256-1261.	1.6	33
119	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
120	Cometary Ions Trapped in a Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2004, 604, L121-L124.	1.6	32
121	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4232-4246.	0.8	32
122	Solar wind from the coronal hole boundaries. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	31
123	Suprathermal electron evolution in a Parker spiral magnetic field. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	31
124	Mars Odyssey measurements of galactic cosmic rays and solar particles in Mars orbit, 2002-2008. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	31
125	Galactic cosmic ray radiation hazard in the unusual extended solar minimum between solar cycles 23 and 24. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	31
126	Lunar energetic neutral atom (ENA) spectra measured by the interstellar boundary explorer (IBEX). <i>Planetary and Space Science</i> , 2013, 85, 232-242.	0.9	31



#	ARTICLE	IF	CITATIONS
127	Reflection of solar wind hydrogen from the lunar surface. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 292-305.	1.5	31
128	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
129	THE ROLL-OVER OF HELIOSPHERIC NEUTRAL HYDROGEN BELOW 100 eV: OBSERVATIONS AND IMPLICATIONS. <i>Astrophysical Journal</i> , 2016, 821, 107.	1.6	31
130	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 20.	3.0	31
131	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
132	Advances in Atmospheric Radiation Measurements and Modeling Needed to Improve Air Safety. <i>Space Weather</i> , 2015, 13, 202-210.	1.3	30
133	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
134	The interstellar hydrogen shadow: Observations of interstellar pickup ions beyond Jupiter. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	29
135	CORONAL ELECTRON TEMPERATURE FROM THE SOLAR WIND SCALING LAW THROUGHOUT THE SPACE AGE. <i>Astrophysical Journal</i> , 2011, 739, 9.	1.6	29
136	An analysis of Alfvén radius based on sunspot number from 1749 to today. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 115-120.	0.8	29
137	TRACKING THE SOLAR CYCLE THROUGH <i>IBEX</i> OBSERVATIONS OF ENERGETIC NEUTRAL ATOM FLUX VARIATIONS AT THE HELIOSPHERIC POLES. <i>Astrophysical Journal</i> , 2016, 833, 277.	1.6	29
138	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
139	VOYAGER OBSERVATIONS OF MAGNETIC WAVES DUE TO NEWBORN INTERSTELLAR PICKUP IONS: $2 \times 10^6$ au. <i>Astrophysical Journal</i> , 2016, 822, 94.	1.6	29
140	Source and Propagation of a Streamer Blowout Coronal Mass Ejection Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 69.	3.0	29
141	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
142	A Three-dimensional Map of the Heliosphere from <i>IBEX</i> . <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 40.	3.0	29
143	Energy dissipation and ion heating at the heliospheric termination shock. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	28
144	The radiation environment near the lunar surface: CRaTER observations and Geant4 simulations. <i>Space Weather</i> , 2013, 11, 142-152.	1.3	28

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	Modeling the 2003 Halloween events with EMMREM: Energetic particles, radial gradients, and coupling to MHD. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	27
148	INTERPLANETARY MAGNETIC FLUX DEPLETION DURING PROTRACTED SOLAR MINIMA. <i>Astrophysical Journal</i> , 2011, 727, 8.	1.6	27
149	DISTANCE TO THE IBEX RIBBON SOURCE INFERRED FROM PARALLAX. <i>Astrophysical Journal</i> , 2016, 823, 119.	1.6	27
150	Opening a Window on ICME-driven GCR Modulation in the Inner Solar System. <i>Astrophysical Journal</i> , 2018, 856, 139.	1.6	27
151	<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
152	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
153	The Interstellar Boundary Explorer Science Operations Center. <i>Space Science Reviews</i> , 2009, 146, 207-234.	3.7	26
154	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
155	Relative contributions of galactic cosmic rays and lunar proton dose to dose and dose rates near the Moon. <i>Space Weather</i> , 2013, 11, 643-650.	1.3	26
156	Dielectric breakdown weathering of the Moon's polar regolith. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 210-225.	1.5	26
157	An analysis of heliospheric magnetic field flux based on sunspot number from 1749 to today and prediction for the coming solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7525-7531.	0.8	25
158	Deep dielectric charging of regolith within the Moon's permanently shadowed regions. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1806-1821.	1.5	25
159	Nitrate ion spikes in ice cores not suitable as proxies for solar proton events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2994-3016.	1.2	25
160	Model-free Maps of Interstellar Neutral Hydrogen Measured with IBEX between 2009 and 2018. <i>Astrophysical Journal</i> , 2019, 871, 52.	1.6	25
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	Hybrid simulations of the termination shock: Suprathermal ion velocity distributions in the heliosheath. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	24
164	CORRECTING THE RECORD ON THE ANALYSIS OF <i>IBEX</i> AND <i>STEREO</i> DATA REGARDING VARIATIONS IN THE NEUTRAL INTERSTELLAR WIND. <i>Astrophysical Journal</i> , 2015, 801, 61.	1.6	24
165	Statistical study of ICME effects on Mercury's magnetospheric boundaries and northern cusp region from MESSENGER. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4960-4975.	0.8	24
166	Expanding Global Features in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 872, 127.	1.6	24
167	DECLINE AND RECOVERY OF THE INTERPLANETARY MAGNETIC FIELD DURING THE PROTRACTED SOLAR MINIMUM. <i>Astrophysical Journal</i> , 2013, 775, 59.	1.6	23
168	Synthesis of 3 $\alpha$ D CoronalaSolar Wind Energetic Particle Acceleration Modules. <i>Space Weather</i> , 2014, 12, 323-328.	1.3	23
169	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
170	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. <i>Astronomy and Astrophysics</i> , 2021, 650, A13.	2.1	23
171	Modeling interstellar pickup ion distributions in corotating interaction regions inside 1 $\alpha$ %AU. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9269-9280.	0.8	22
172	A SURVEY OF MAGNETIC WAVES EXCITED BY NEWBORN INTERSTELLAR He <sup>+</sup> OBSERVED BY THE ACE SPACECRAFT AT 1 au. <i>Astrophysical Journal</i> , 2016, 830, 47.	1.6	22
173	Earth's magnetosphere and outer radiation belt under sub-Alfvénic solar wind. <i>Nature Communications</i> , 2016, 7, 13001.	5.8	22
174	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. II. Instability and Turbulence Analyses. <i>Astrophysical Journal</i> , 2018, 863, 76.	1.6	22
175	Heliosheath Properties Measured from a Voyager 2 to Voyager 1 Transient. <i>Astrophysical Journal</i> , 2019, 883, 101.	1.6	22
176	Strong Scattering of $\sim 1/4$ 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
177	Observations of Extreme ICME Ram Pressure Compressing Mercury's Dayside Magnetosphere to the Surface. <i>Astrophysical Journal</i> , 2020, 889, 184.	1.6	22
178	Solar Wind Turbulence from 1 to 45 au. IV. Turbulent Transport and Heating of the Solar Wind Using Voyager Observations. <i>Astrophysical Journal</i> , 2020, 900, 94.	1.6	22
179	Pickup hydrogen distributions in the solar wind at $\sim 1/11$ AU: Do we understand pickup ions in the outer heliosphere?. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
180	Validation of PREDICCS using LRO/CRaTER observations during three major solar events in 2012. <i>Space Weather</i> , 2013, 11, 350-360.	1.3	21

#	ARTICLE	IF	CITATIONS
181	Galactic cosmic ray variations in the inner heliosphere from solar distances less than 0.5 AU: Measurements from the MESSENGER Neutron Spectrometer. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7398-7406.	0.8	21
182	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. I. Wave Properties. <i>Astrophysical Journal</i> , 2018, 863, 75.	1.6	21
183	The Heliosphere Is Not Round. <i>Astrophysical Journal</i> , 2018, 862, 11.	1.6	21
184	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
185	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 33.	3.0	21
186	The influence of intermediate-scale variations in the heliospheric magnetic field on the transport of galactic cosmic rays. <i>Journal of Geophysical Research</i> , 1995, 100, 7865.	3.3	20
187	Stability of the inner source pickup ions over the solar cycle. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	20
188	The formation of molecular hydrogen from water ice in the lunar regolith by energetic charged particles. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1257-1264.	1.5	20
189	TRIANGULATION OF THE INTERSTELLAR MAGNETIC FIELD. <i>Astrophysical Journal Letters</i> , 2015, 813, L20.	3.0	20
190	Magnetic field line random walk and solar energetic particle path lengths. <i>Astronomy and Astrophysics</i> , 2021, 650, A26.	2.1	20
191	Solar Wind Turbulence from 1 to 45 au. III. Anisotropy of Magnetic Fluctuations in the Inertial Range Using Voyager and ACE Observations. <i>Astrophysical Journal</i> , 2020, 900, 93.	1.6	20
192	Posteruptive phenomena in coronal mass ejections and substorms: Indicators of a universal process?. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	19
193	INTERPLANETARY SUPRATHERMAL He <sup>+</sup> AND He <sup>++</sup> OBSERVATIONS DURING QUIET PERIODS FROM 1 TO 9 AU AND IMPLICATIONS FOR PARTICLE ACCELERATION. <i>Astrophysical Journal</i> , 2009, 699, L26-L30.	1.6	19
194	The radial evolution of solar wind speeds. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	19
195	PRECISION POINTING OF IBEX-Lo OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 198, 9.	3.0	19
196	Measurements of galactic cosmic ray shielding with the CRaTER instrument. <i>Space Weather</i> , 2013, 11, 284-296.	1.3	19
197	Coronal electron temperature in the protracted solar minimum, the cycle 24 mini maximum, and over centuries. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1486-1492.	0.8	19
198	SYMMETRY OF THE IBEX-RIBBON OF ENHANCED ENERGETIC NEUTRAL ATOM (ENA) FLUX. <i>Astrophysical Journal</i> , 2015, 799, 68.	1.6	19

#	ARTICLE	IF	CITATIONS
199	Non-equilibrium Distributions of Interstellar Neutrals and the Temperature of the Local Interstellar Medium. <i>Astrophysical Journal</i> , 2019, 871, 254.	1.6	19
200	Modeling proton intensity gradients and radiation dose equivalents in the inner heliosphere using EMMREM: May 2003 solar events. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	18
201	THE SOLAR WIND AS A POSSIBLE SOURCE OF FAST TEMPORAL VARIATIONS OF THE HELIOSPHERIC RIBBON. <i>Astrophysical Journal</i> , 2013, 776, 109.	1.6	18
202	The deep space galactic cosmic ray lineal energy spectrum at solar minimum. <i>Space Weather</i> , 2013, 11, 361-368.	1.3	18
203	Particle Radiation Sources, Propagation and Interactions in Deep Space, at Earth, the Moon, Mars, and Beyond: Examples of Radiation Interactions and Effects. <i>Space Science Reviews</i> , 2017, 212, 1069-1106.	3.7	18
204	Termination Shock Measured by Voyagers and IBEX. <i>Astrophysical Journal</i> , 2019, 884, 145.	1.6	18
205	The Interstellar Ribbon: A Unifying Explanation. <i>Astrophysical Journal</i> , 2019, 887, 247.	1.6	18
206	Collisional Evolution of the Inner Zodiacal Cloud. <i>Planetary Science Journal</i> , 2021, 2, 185.	1.5	18
207	Radiation Pressure from Interstellar Hydrogen Observed by IBEX through Solar Cycle 24. <i>Astrophysical Journal</i> , 2019, 887, 217.	1.6	18
208	Solar Wind Turbulence from 1 to 45 au. I. Evidence for Dissipation of Magnetic Fluctuations Using Voyager and ACE Observations. <i>Astrophysical Journal</i> , 2020, 900, 91.	1.6	18
209	The Heliospheric Magnetic Field over the Hale Cycle. <i>Astrophysics and Space Sciences Transactions</i> , 2008, 4, 19-26.	1.0	18
210	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
211	A DATA-DRIVEN ANALYTIC MODEL FOR PROTON ACCELERATION BY LARGE-SCALE SOLAR CORONAL SHOCKS. <i>Astrophysical Journal</i> , 2016, 831, 120.	1.6	17
212	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the ISÅS™IS Instrument Suite. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 41.	3.0	17
213	A living catalog of stream interaction regions in the Parker Solar Probe era. <i>Astronomy and Astrophysics</i> , 2021, 650, A25.	2.1	17
214	Energetic Electron Observations by Parker Solar Probe/ISÅS™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
215	The inner heliospheric source for keV-energetic IBEX ENAs. <i>Astronomy and Astrophysics</i> , 2011, 531, A77.	2.1	17
216	The Heliosphere and Local Interstellar Medium from Neutral Atom Observations at Energies Below 10 keV. <i>Space Science Reviews</i> , 2022, 218, .	3.7	17

#	ARTICLE	IF	CITATIONS
217	Suprathermal electron flux peaks at stream interfaces: Signature of solar wind dynamics or tracer for open magnetic flux transport on the Sun?. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
218	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
219	ACE observations of magnetic waves arising from newborn interstellar pickup helium ions. <i>Geophysical Research Letters</i> , 2015, 42, 9617-9623.	1.5	16
220	Update on Radiation Dose From Galactic and Solar Protons at the Moon Using the LRO/CRaTER Microdosimeter. <i>Space Weather</i> , 2015, 13, 363-364.	1.3	16
221	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the <i>Voyager</i> Spacecraft from 1 to 45 au. III. Observation Times. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 34.	3.0	16
222	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO-A. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091376.	1.5	16
223	The inner heliosheath source for keV-ENAs observed with IBEX. <i>Astronomy and Astrophysics</i> , 2012, 539, A75.	2.1	16
224	A unifying comparison of nearly scatter free transport models. <i>Journal of Geophysical Research</i> , 1994, 99, 19301.	3.3	15
225	Modulation of anomalous and galactic cosmic rays beyond the termination shock. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	15
226	Transmission of galactic cosmic rays through Mars atmosphere. <i>Space Weather</i> , 2011, 9, .	1.3	15
227	EVIDENCE FOR AN INTERSTELLAR DUST FILAMENT IN THE OUTER HELIOSHEATH. <i>Astrophysical Journal</i> , 2015, 805, 60.	1.6	15
228	Observation of Magnetic Waves Excited by Newborn Interstellar Pickup He+ Observed by the Voyager 2 Spacecraft at 30 au. <i>Astrophysical Journal</i> , 2017, 849, 61.	1.6	15
229	Science Opportunities from Observations of the Interstellar Neutral Gas with Adjustable Boresight Direction. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 28.	3.0	15
230	Energetic Proton Propagation and Acceleration Simulated for the Bastille Day Event of 2000 July 14. <i>Astrophysical Journal</i> , 2021, 909, 160.	1.6	15
231	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
232	PSP/IS <sup>TM</sup> IS observations of the 29 November 2020 solar energetic particle event. <i>Astronomy and Astrophysics</i> , 2021, 656, A29.	2.1	15
233	Pickup Ions and Cosmic Rays from Dust in the Heliosphere. <i>Space Science Reviews</i> , 2007, 130, 283-291.	3.7	14
234	The heliospheric magnetic flux, solar wind proton flux, and cosmic ray intensity during the coming solar minimum. <i>Space Weather</i> , 2014, 12, 499-507.	1.3	14

#	ARTICLE	IF	CITATIONS
235	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
236	Inferring the Heliospheric Magnetic Field Back through Maunder Minimum. <i>Astrophysical Journal</i> , 2017, 837, 165.	1.6	14
237	The Influence of Polar Coronal Holes on the Polar ENA Flux Observed by IBEX. <i>Astrophysical Journal</i> , 2019, 879, 1.	1.6	14
238	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
239	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2021, 650, L5.	2.1	14
240	Solar Wind Turbulence from 1 to 45 au. II. Analysis of Inertial-range Fluctuations Using Voyager and ACE Observations. <i>Astrophysical Journal</i> , 2020, 900, 92.	1.6	14
241	THE FLUX OF OPEN AND TOROIDAL INTERPLANETARY MAGNETIC FIELD AS A FUNCTION OF HELIOLATITUDE AND SOLAR CYCLE. <i>Astrophysical Journal</i> , 2009, 695, 357-362.	1.6	13
242	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
243	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
244	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
245	Observations of Low-Frequency Magnetic Waves due to Newborn Interstellar Pickup Ions Using ACE, Ulysses, and Voyager Data. <i>Journal of Physics: Conference Series</i> , 2017, 900, 012018.	0.3	13
246	Comparisons of High-Energy Linear Energy Transfer Spectra on the ISS and in Deep Space. <i>Space Weather</i> , 2019, 17, 396-418.	1.3	13
247	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
248	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
249	A Survey of Interplanetary Small Flux Ropes at Mercury. <i>Astrophysical Journal</i> , 2020, 894, 120.	1.6	13
250	The IBEX Background Monitor. <i>Space Science Reviews</i> , 2009, 146, 105-115.	3.7	12
251	THE IMPRINT OF THE VERY LOCAL INTERSTELLAR MAGNETIC FIELD IN SIMULATED ENERGETIC NEUTRAL ATOM MAPS. <i>Astrophysical Journal</i> , 2010, 716, 550-555.	1.6	12
252	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

#	ARTICLE	IF	CITATIONS
253	The first cosmic ray albedo proton map of the Moon. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	12
254	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
255	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
256	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. <i>Astronomy and Astrophysics</i> , 2021, 650, L4.	2.1	12
257	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
258	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
259	Anomalous Cosmic-Ray Oxygen Observations into 0.1 au. <i>Astrophysical Journal</i> , 2022, 925, 9.	1.6	12
260	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
261	Forecasting Periods of Strong Southward Magnetic Field Following Interplanetary Shocks. <i>Space Weather</i> , 2018, 16, 2004-2021.	1.3	11
262	IBEX Ribbon Separation Using Spherical Harmonic Decomposition of the Globally Distributed Flux. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 6.	3.0	11
263	The inner source for pickup ions. , 1999, , .		10
264	Does the space environment affect the ecosphere?. <i>Eos</i> , 2011, 92, 297-298.	0.1	10
265	LATITUDINAL AND ENERGY DEPENDENCE OF ENERGETIC NEUTRAL ATOM SPECTRAL INDICES MEASURED BY THE INTERSTELLAR BOUNDARY EXPLORER. <i>Astrophysical Journal</i> , 2015, 802, 100.	1.6	10
266	Coupled MHD-Focused Transport Simulations for Modeling Solar Particle Events. <i>Journal of Physics: Conference Series</i> , 2019, 1225, 012007.	0.3	10
267	First Observations of Anomalous Cosmic Rays in to 36 Solar Radii. <i>Astrophysical Journal</i> , 2021, 912, 139.	1.6	10
268	Parker Solar Probe observations of helical structures as boundaries for energetic particles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2114-2122.	1.6	10
269	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
270	Time-dependent estimates of organ dose and dose equivalent rates for human crews in deep space from the 26 October 2003 solar energetic particle event (Halloween event) using the Earth-Moon-Mars Radiation Environment Module. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	9



#	ARTICLE	IF	CITATIONS
271	TRANSPORT OF HELIUM PICKUP IONS WITHIN THE FOCUSING CONE: RECONCILING STEREO OBSERVATIONS WITH IBEX. <i>Astrophysical Journal</i> , 2016, 824, 142.	1.6	9
272	Effect of Rapid Changes of Solar Wind Conditions on the Pickup Ion Velocity Distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6418-6437.	0.8	9
273	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
274	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
275	Small Electron Events Observed by Parker Solar Probe/IS <sup>TM</sup> IS during Encounter 2. <i>Astrophysical Journal</i> , 2020, 902, 20.	1.6	9
276	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 48.	3.0	9
277	Interstellar heliospheric probe/heliospheric boundary explorer missionâ€”a mission to the outermost boundaries of the solar system. <i>Experimental Astronomy</i> , 2009, 24, 9-46.	1.6	8
278	Radiation modeling in the Earth and Mars atmospheres using LRO/CRaTER with the EMMREM Module. <i>Space Weather</i> , 2014, 12, 112-119.	1.3	8
279	Analysis of the potential radiation hazard of the 23 July 2012 SEP event observed by STEREO A using the EMMREM model and LRO/CRaTER. <i>Space Weather</i> , 2015, 13, 560-567.	1.3	8
280	Update on Galactic Cosmic Ray Integral Flux Measurements in Lunar Orbit With CRaTER. <i>Space Weather</i> , 2019, 17, 1011.	1.3	8
281	Heliospheric Structure as Revealed by the 3â€”88 keV H ENA Spectra. <i>Astrophysical Journal</i> , 2020, 888, 1.	1.6	8
282	The CRaTER Special Issue of <i>Space Weather</i> : Building the observational foundation to deduce biological effects of space radiation. <i>Space Weather</i> , 2013, 11, 47-48.	1.3	7
283	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
284	Solar modulation of the deep space galactic cosmic ray lineal energy spectrum measured by CRaTER, 2009â€”2014. <i>Space Weather</i> , 2016, 14, 247-258.	1.3	7
285	Inner Source C <sup>+</sup> /O <sup>+</sup> Pickup Ions Produced by Solar Wind Recycling, Neutralization, Backscattering, Sputtering, and Sputtering-induced Recycling. <i>Astrophysical Journal</i> , 2018, 861, 98.	1.6	7
286	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
287	Near-Real-Time Situational Awareness of Space Radiation Hazards. <i>Space Weather</i> , 2012, 10, n/a-n/a.	1.3	6
288	Galactic Cosmic Radiation in the Interplanetary Space Through a Modern Secular Minimum. <i>Space Weather</i> , 2020, 18, e2019SW002428.	1.3	6

#	ARTICLE	IF	CITATIONS
289	CRaTER observations and permissible mission duration for human operations in deep space. <i>Life Sciences in Space Research</i> , 2020, 26, 149-162.	1.2	6
290	Absorbed doses from GCR and albedo particles emitted by the lunar surface. <i>Acta Astronautica</i> , 2020, 175, 185-189.	1.7	6
291	IBEXâ€™Interstellar Boundary Explorer. , 2009, , 11-33.		6
292	Broken Power-law Distributions from Low Coronal Compression Regions or Shocks. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012025.	0.3	5
293	Interstellar Mapping and Acceleration Probe (IMAP). <i>Journal of Physics: Conference Series</i> , 2016, 767, 012025.	0.3	5
294	Atmospheric radiation modeling of galactic cosmic rays using LRO/CRaTER and the EMMREM model with comparisons to balloon and airline based measurements. <i>Space Weather</i> , 2016, 14, 659-667.	1.3	5
295	Modeling the effectiveness of shielding in the earth-moon-mars radiation environment using PREDICCS: five solar events in 2012. <i>Journal of Space Weather and Space Climate</i> , 2017, 7, A16.	1.1	5
296	A Consistent Scenario for the IBEX Ribbon, Anisotropies in TeV Cosmic Rays, and the Local Interstellar Medium. <i>ASTRA Proceedings</i> , 0, 2, 9-16.	0.0	5
297	Parameterizations of the linear energy transfer spectrum for the CRaTER instrument during the LRO mission. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	4
298	First Global Images of Ion Energization in the Terrestrial Foreshock by the Interstellar Boundary Explorer. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088188.	1.5	4
299	Between Local Interstellar Magnetic and Dynamic Pressure Balance of Heliospheric Boundaries Measured with the IBEX Ribbonâ€™A New Paradigm. <i>Astrophysical Journal</i> , 2021, 914, 129.	1.6	4
300	High-latitude Observations of Inertial-range Turbulence by the Ulysses Spacecraft During the Solar Minimum of 1993â€™96. <i>Astrophysical Journal</i> , 2022, 927, 43.	1.6	4
301	Low-frequency Waves due to Newborn Interstellar Pickup He<sup>+</sup> Observed by the Ulysses Spacecraft. <i>Astrophysical Journal</i> , 2021, 923, 185.	1.6	4
302	Dose spectra from energetic particles and neutrons. <i>Space Weather</i> , 2013, 11, 547-556.	1.3	3
303	Connecting the interstellar magnetic field at the heliosphere to the Loop I superbubble. <i>Journal of Physics: Conference Series</i> , 2015, 577, 012010.	0.3	3
304	Following the interstellar magnetic field from the heliosphere into space with polarized starlight. <i>Journal of Physics: Conference Series</i> , 2016, 767, 012010.	0.3	3
305	Interplanetary space weather effects on Lunar Reconnaissance Orbiter avalanche photodiode performance. <i>Space Weather</i> , 2016, 14, 343-350.	1.3	3
306	Precise Detections of Solar Particle Events and a New View of the Moon. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085522.	1.5	3

#	ARTICLE	IF	CITATIONS
307	Long-Term Observations of Galactic Cosmic Ray LET Spectra in Lunar Orbit by LRO/CRaTER. Space Weather, 2020, 18, e2020SW002543.	1.3	3
308	Thin silicon solid-state detectors for energetic particle measurements. Astronomy and Astrophysics, 2021, 650, A27.	2.1	3
309	PSP/IS <sup>TM</sup> 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
310	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
311	Introduction to special section on the Earth-Moon-Mars Radiation Environment Module. Space Weather, 2009, 7, n/a-n/a.	1.3	2
312	Anisotropies in TeV Cosmic Rays Related to the IBEX Ribbon. Journal of Physics: Conference Series, 2014, 531, 012010.	0.3	2
313	Inner Source Pickup Ions from Chondritic Smooth Interplanetary Dust Particles. Astrophysical Journal, 2019, 877, 156.	1.6	2
314	Solar Wind Turbulence from 1 to 45 au. V. Data Intervals from the Voyager Observations. Astrophysical Journal, Supplement Series, 2020, 250, 14.	3.0	2
315	Determining the Near-Instantaneous Curvature of Earth's Bow Shock Using Simultaneous IBEX and MMS Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
316	First Measurements of Jovian Electrons by Parker Solar Probe/IS <sup>TM</sup> IS within 0.5 au of the Sun. Astrophysical Journal, 2022, 933, 171.	1.6	2
317	Initial condition influence on coronal mass ejection propagation. Journal of Geophysical Research, 2008, 113, .	3.3	1
318	The Earth-Moon-Mars Radiation Environment Module (EMMREM): Framework and Current Developments. , 2009, , .		1
319	Ulysses and Voyager Observations of Waves Due to Interstellar Pickup H <sup>[sup +]</sup> and He <sup>[sup +]</sup> . AIP Conference Proceedings, 2010, , .	0.3	1
320	Anisotropies in TeV Cosmic Rays Related to the Local Interstellar Magnetic Field from the IBEX Ribbon. Journal of Physics: Conference Series, 2015, 577, 012023.	0.3	1
321	Charge-to-mass dependence of heavy ion spectral breaks in large gradual solar energetic particle events. Journal of Physics: Conference Series, 2016, 767, 012004.	0.3	1
322	The Local Interstellar Magnetic Field Observed by Voyager 1 and IBEX. Journal of Physics: Conference Series, 2018, 1100, 012021.	0.3	1
323	Structure of the IBEX Ribbon from Distributed Sources. Journal of Physics: Conference Series, 2019, 1332, 012013.	0.3	1
324	Evidence From Galactic Cosmic Rays That the Sun Has Likely Entered a Secular Minimum in Solar Activity. Space Weather, 2022, 20, .	1.3	1

#	ARTICLE	IF	CITATIONS
325	Magnetic Waves Excited by Newborn Pickup H <sup>+</sup> Near Jupiter: Neutral Hydrogen Loss by the Planetary System. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	1
326	Solar wind energy and momentum from the emergence of new small-scale flux. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
327	Estimates of Radiation Exposures for Human Crews in Deep Space from the January 15, 2005, Solar Energetic Particle Event Using the Earth-Moon-Mars Radiation Environment Module. <i>Nuclear Technology</i> , 2011, 175, 202-209.	0.7	0
328	Energetic neutral atom and interstellar flow observations with IBEX: Implications for the global heliosphere. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
329	Particle Radiation Sources, Propagation and Interactions in Deep Space, at Earth, the Moon, Mars, and Beyond: Examples of Radiation Interactions and Effects. <i>Space Sciences Series of ISSI</i> , 2017, , 257-294.	0.0	0