

# David J Mccomas

## List of Publications by Year in descending order

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745  
papers

37,935  
citations

2675

95  
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6836

155  
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755  
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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.	8.1	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.	8.1	521
4	Global Observations of the Interstellar Interaction from the Interstellar Boundary Explorer (IBEX). <i>Science</i> , 2009, 326, 959-962.	12.6	461
5	Cassini Plasma Spectrometer Investigation. <i>Space Science Reviews</i> , 2004, 114, 1-112.	8.1	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.	8.1	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.	12.6	407
9	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	27.8	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, .	4.0	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.	27.8	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.	8.1	305
17	Understanding Kappa Distributions: A Toolbox for Space Science and Astrophysics. <i>Space Science Reviews</i> , 2013, 175, 183-214.	8.1	293
18	Ulysses solar wind plasma observations from pole to pole. <i>Geophysical Research Letters</i> , 1995, 22, 3301-3304.	4.0	291

#	ARTICLE	IF	CITATIONS
19	Composition and Dynamics of Plasma in Saturn's Magnetosphere. <i>Science</i> , 2005, 307, 1262-1266.	12.6	281
20	A magnetic reconnection X-line extending more than 390 Earth radii in the solar wind. <i>Nature</i> , 2006, 439, 175-178.	27.8	281
21	Structure of the magnetotail at 220 R <sub>E</sub> and its response to geomagnetic activity. <i>Geophysical Research Letters</i> , 1984, 11, 5-7.	4.0	256
22	Ulysses' return to the slow solar wind. <i>Geophysical Research Letters</i> , 1998, 25, 1-4.	4.0	250
23	The three-dimensional solar wind around solar maximum. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	239
24	Coronal mass ejections and large geomagnetic storms. <i>Geophysical Research Letters</i> , 1990, 17, 901-904.	4.0	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.	8.1	226
27	The Heliosphere's Interstellar Interaction: No Bow Shock. <i>Science</i> , 2012, 336, 1291-1293.	12.6	226
28	Magnetospheric plasma analyzer for spacecraft with constrained resources. <i>Review of Scientific Instruments</i> , 1993, 64, 1026-1033.	1.3	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.	12.6	221
31	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016, 351, 1284-1293.	12.6	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.	8.3	212
33	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	12.6	201
34	Structures and Spectral Variations of the Outer Heliosphere in IBEX Energetic Neutral Atom Maps. <i>Science</i> , 2009, 326, 964-966.	12.6	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.	4.0	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.	8.1	187
38	Comet Giacobini-Zinner: Plasma Description. Science, 1986, 232, 356-361.	12.6	185
39	Ulysses Solar Wind Plasma Observations at High Southerly Latitudes. Science, 1995, 268, 1030-1033.	12.6	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.	8.1	171
44	The Two Wide-angle Imaging Neutral-atom Spectrometers (TWINS) NASA Mission-of-Opportunity. Space Science Reviews, 2009, 142, 157-231.	8.1	170
45	Width and Variation of the ENA Flux Ribbon Observed by the Interstellar Boundary Explorer. Science, 2009, 326, 962-964.	12.6	166
46	WEAKEST SOLAR WIND OF THE SPACE AGE AND THE CURRENT â€œMINIâ€•SOLAR MAXIMUM. Astrophysical Journal, 2013, 779, 2.	4.5	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.	4.0	163
48	Magnetospheric Science Objectives of the Juno Mission. Space Science Reviews, 2017, 213, 219-287.	8.1	163
49	MICROSTRUCTURE OF THE HELIOSPHERIC TERMINATION SHOCK: IMPLICATIONS FOR ENERGETIC NEUTRAL ATOM OBSERVATIONS. Astrophysical Journal, 2010, 708, 1092-1106.	4.5	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.	7.7	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.	4.5	154
53	SEPARATION OF THE INTERSTELLAR BOUNDARY EXPLORER RIBBON FROM GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX. Astrophysical Journal, 2011, 731, 56.	4.5	153
54	LOCAL INTERSTELLAR MAGNETIC FIELD DETERMINED FROM THE INTERSTELLAR BOUNDARY EXPLORER RIBBON. Astrophysical Journal Letters, 2016, 818, L18.	8.3	153

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55	Latitudinal variation of solar wind corotating stream interaction regions: Ulysses. Geophysical Research Letters, 1993, 20, 2789-2792.	4.0	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.	7.7	145
59	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. Space Science Reviews, 2016, 204, 187-256.	8.1	139
60	INVARIANT KAPPA DISTRIBUTION IN SPACE PLASMAS OUT OF EQUILIBRIUM. Astrophysical Journal, 2011, 741, 88.	4.5	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.	12.6	135
63	Evidence for slow-mode shocks in the deep geomagnetic tail. Geophysical Research Letters, 1984, 11, 599-602.	4.0	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.	4.5	132
67	An auroral flare at Jupiter. Nature, 2001, 410, 787-789.	27.8	130
68	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. Space Science Reviews, 2018, 214, 1.	8.1	129
69	LOCAL INTERSTELLAR MEDIUM: SIX YEARS OF DIRECT SAMPLING BY IBEX. Astrophysical Journal, Supplement Series, 2015, 220, 22.	7.7	128
70	Ulysses at 50° south: constant immersion in the high-speed solar wind. Geophysical Research Letters, 1994, 21, 1105-1108.	4.0	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, .	4.0	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.	4.5	121
77	Electron Heating Within the Earth's Bow Shock. <i>Physical Review Letters</i> , 1982, 49, 199-201.	7.8	120
78	A new class of forward-reverse shock pairs in the solar wind. <i>Geophysical Research Letters</i> , 1994, 21, 2271-2274.	4.0	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.	1.7	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.	8.3	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.	12.6	114
83	THE FIRST THREE YEARS OF <i>IBEX</i> OBSERVATIONS AND OUR EVOLVING HELIOSPHERE. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 1.	7.7	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, .	12.6	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.	4.5	111
88	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. <i>Science</i> , 2017, 356, 826-832.	12.6	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, .	4.0	108
90	Plasma regimes in the deep geomagnetic tail: ISEE 3. <i>Geophysical Research Letters</i> , 1983, 10, 912-915.	4.0	103

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91	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019, 576, 223-227.	27.8	103
92	The Solar Wind Around Pluto (SWAP) Instrument Aboard New Horizons. <i>Space Science Reviews</i> , 2008, 140, 261-313.	8.1	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.	7.7	99
96	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.	12.6	98
97	SPATIAL RETENTION OF IONS PRODUCING THE <i>IBEX</i> RIBBON. <i>Astrophysical Journal</i> , 2013, 764, 92.	4.5	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.	7.7	97
99	The Thermal Ion Dynamics Experiment and Plasma Source Instrument. <i>Space Science Reviews</i> , 1995, 71, 409-458.	8.1	96
100	Cassini observations of Saturn's inner plasmasphere: Saturn orbit insertion results. <i>Planetary and Space Science</i> , 2006, 54, 1197-1210.	1.7	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.	4.0	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.	4.5	93
103	Evolution of plasmaspheric ions at geosynchronous orbit during times of high geomagnetic activity. <i>Geophysical Research Letters</i> , 1996, 23, 2189-2192.	4.0	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 <i>ISEE 3</i> . <i>Geophysical Research Letters</i> , 1984, 11, 1046-1049.	4.0	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.	12.6	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.	4.0	90

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109	THE HELIOTAIL REVEALED BY THE<i>INTERSTELLAR BOUNDARY EXPLORER</i>. Astrophysical Journal, 2013, 771, 77.	4.5	90
110	WARMER LOCAL INTERSTELLAR MEDIUM: A POSSIBLE RESOLUTION OF THE<i>ULYSSES</i>-<i>IBEX</i>ENIGMA. Astrophysical Journal, 2015, 801, 28.	4.5	90
111	Juno observations of energetic charged particles over Jupiter's polar regions: Analysis of monodirectional and bidirectional electron beams. Geophysical Research Letters, 2017, 44, 4410-4418.	4.0	90
112	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. Icarus, 2018, 300, 174-199.	2.5	90
113	<i>IBEX</i> : THE FIRST FIVE YEARS (2009-2013). Astrophysical Journal, Supplement Series, 2014, 213, 20.	7.7	89
114	Overexpanding coronal mass ejections at high heliographic latitudes: Observations and simulations. Journal of Geophysical Research, 1998, 103, 1941-1954.	3.3	86
115	Ulysses in the south polar cap at solar maximum: Heliospheric magnetic field. Geophysical Research Letters, 2001, 28, 4159-4162.	4.0	86
116	Jupiter: A fundamentally different magnetospheric interaction with the solar wind. Geophysical Research Letters, 2007, 34, .	4.0	86
117	The Pickup Ion-mediated Solar Wind. Astrophysical Journal, 2018, 869, 23.	4.5	86
118	Understanding coronal heating and solar wind acceleration: Case for in situ near-Sun measurements. Reviews of Geophysics, 2007, 45, .	23.0	85
119	Heliolatitude and Time Variations of Solar Wind Structure from in situ Measurements and Interplanetary Scintillation Observations. Solar Physics, 2013, 285, 167-200.	2.5	85
120	Solar Wind Scaling Law. Astrophysical Journal, 2003, 599, 1395-1403.	4.5	84
121	Magnetospheric imaging with low-energy neutral atoms.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9598-9602.	7.1	83
122	TRACKING CORONAL FEATURES FROM THE LOW CORONA TO EARTH: A QUANTITATIVE ANALYSIS OF THE 2008 DECEMBER 12 CORONAL MASS EJECTION. Astrophysical Journal, 2013, 769, 43.	4.5	83
123	Jupiter's Magnetosphere: Plasma Description from the Ulysses Flyby. Science, 1992, 257, 1539-1543.	12.6	82
124	Preliminary interpretation of Titan plasma interaction as observed by the Cassini Plasma Spectrometer: Comparisons with Voyager 1. Geophysical Research Letters, 2006, 33, .	4.0	82
125	Initial interpretation of Titan plasma interaction as observed by the Cassini plasma spectrometer: Comparisons with Voyager 1. Planetary and Space Science, 2006, 54, 1211-1224.	1.7	82
126	Counterstreaming suprathermal electron events upstream of corotating shocks in the solar wind beyond $\hat{1}/2$ Au: Ulysses. Geophysical Research Letters, 1993, 20, 2335-2338.	4.0	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, .	4.0	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.	7.7	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.	12.6	80
131	IBEX's Enigmatic Ribbon in the sky and its many possible sources. <i>Reviews of Geophysics</i> , 2014, 52, 118-155.	23.0	79
132	Seven Years of Imaging the Global Heliosphere with IBEX. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 41.	7.7	79
133	Discrete and broadband electron acceleration in Jupiter's powerful aurora. <i>Nature</i> , 2017, 549, 66-69.	27.8	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.	4.0	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.	7.7	77
138	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	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.	4.0	74
142	New Horizons: Anticipated Scientific Investigations at the Pluto System. <i>Space Science Reviews</i> , 2008, 140, 93-127.	8.1	74
143	Plasma entry into the distant tail lobes: ISEE-3. <i>Geophysical Research Letters</i> , 1984, 11, 1078-1081.	4.0	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.	4.0	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.	4.0	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.	7.7	71
149	Ultrathin ( $\sim 10$ nm) carbon foils in space instrumentation. <i>Review of Scientific Instruments</i> , 2004, 75, 4863-4870.	1.3	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, .	4.0	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.	4.0	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.	4.5	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.	4.0	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.	4.0	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.	8.1	66
159	Petschek-type Reconnection Exhausts in the Solar Wind Well beyond 1 AU:Ulysses. <i>Astrophysical Journal</i> , 2006, 644, 613-621.	4.5	66
160	Determining the LIC H density from the solar wind slowdown. <i>Astronomy and Astrophysics</i> , 2008, 491, 1-5.	5.1	66
161	Energetic neutral atoms from the Earth's subsolar magnetopause. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	66
162	PRESSURE OF THE PROTON PLASMA IN THE INNER HELIOSHEATH. <i>Astrophysical Journal</i> , 2013, 762, 134.	4.5	65

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163	Helium energetics in the high-latitude solar wind: Ulysses observations. <i>Journal of Geophysical Research</i> , 2001, 106, 5693-5708.	3.3	64
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