Charles Smith

List of Publications by Year
in descending order

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173 papers	10,728 citations	30070 54 h-index	33894 99 g-index
178 all docs	178 docs citations	178 times ranked	3060 citing authors

#	Article	IF	Citations
1	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. Space Science Reviews, 2013, 179, 127-181.	8.1	932
2	Observational constraints on the dynamics of the interplanetary magnetic field dissipation range. Journal of Geophysical Research, 1998, 103, 4775-4787.	3.3	658
3	Evolution of turbulent magnetic fluctuation power with heliospheric distance. Journal of Geophysical Research, 1996, 101, 17093-17107.	3.3	315
4	Dissipation range dynamics: Kinetic AlfvÃ©n waves and the importance of Î²e. Journal of Geophysical Research, 1999, 104, 22331-22344.	3.3	308
5	Dependence of the Dissipation Range Spectrum of Interplanetary Magnetic Fluctuationson the Rate of Energy Cascade. Astrophysical Journal, 2006, 645, L85-L88.	4.5	289
6	Heating of the low-latitude solar wind by dissipation of turbulent magnetic fluctuations. Journal of Geophysical Research, 2001, 106, 8253-8272.	3.3	256
7	Electromagnetic ion beam instabilities. Physics of Fluids, 1984, 27, 1852.	1.4	231
8	Predicting interplanetary magnetic field (IMF) propagation delay times using the minimum variance technique. Journal of Geophysical Research, 2003, 108, .	3.3	229
9	MHDâ€driven Kinetic Dissipation in the Solar Wind and Corona. Astrophysical Journal, 2000, 537, 1054-1062.	4.5	224
10	Anisotropy in Fast and Slow Solar Wind Fluctuations. Astrophysical Journal, 2005, 635, L181-L184.	4.5	220
11	Turbulence, Spatial Transport, and Heating of the Solar Wind. Physical Review Letters, 1999, 82, 3444-3447.	7.8	212
12	Spatial Correlation of Solar-Wind Turbulence from Two-Point Measurements. Physical Review Letters, 2005, 95, 231101.	7.8	187
13	The occurrence and wave properties of H⁺â€, He⁺â€, and O⁺â€band EMIC waves observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2015, 120, 7477-7492.	2.4	184
14	The Turbulent Cascade at 1 AU: Energy Transfer and the Thirdâ€Order Scaling for MHD. Astrophysical Journal, 2008, 679, 1644-1660.	4.5	180
15	Evaluation of Magnetic Helicity in Homogeneous Turbulence. Physical Review Letters, 1982, 48, 1256-1259.	7.8	177
16	Turbulence transport throughout the heliosphere. Journal of Geophysical Research, 2008, 113, .	3.3	174
17	Evidence for a Suprathermal Seed Population of Heavy Ions Accelerated by Interplanetary Shocks near 1 AU. Astrophysical Journal, 2003, 588, 1149-1162.	4.5	170
18	WEAKEST SOLAR WIND OF THE SPACE AGE AND THE CURRENT â€œMINIâ€•SOLAR MAXIMUM. Astrophysical Journal, 2013, 779, 2.	4.5	166

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19	Evaluation of the turbulent energy cascade rates from the upper inertial range in the solar wind at 1 AU. Journal of Geophysical Research, 2007, 112, .	3.3	149
20	Contribution of Cyclotron-resonant Damping to Kinetic Dissipation of Interplanetary Turbulence. Astrophysical Journal, 1998, 507, L181-L184.	4.5	144
21	Turbulent Heating of the Solar Wind by Newborn Interstellar Pickup Protons. Astrophysical Journal, 2006, 638, 508-517.	4.5	144
22	Excitation of poloidal standing AlfvÃ©n waves through drift resonance waveâ€particle interaction. Geophysical Research Letters, 2013, 40, 4127-4132.	4.0	134
23	Van Allen Probes observation of localized drift resonance between poloidal mode ultraâ€low frequency waves and 60 keV electrons. Geophysical Research Letters, 2013, 40, 4491-4497.	4.0	127
24	Van Allen probes, NOAA, GOES, and ground observations of an intense EMIC wave event extending over 12 h in magnetic local time. Journal of Geophysical Research: Space Physics, 2015, 120, 5465-5488.	2.4	127
25	THE TURBULENT CASCADE AND PROTON HEATING IN THE SOLAR WIND AT 1 AU. Astrophysical Journal, 2009, 697, 1119-1127.	4.5	114
26	Shortâ€wavelength turbulence in the solar wind: Linear theory of whistler and kinetic AlfvÃ©n fluctuations. Journal of Geophysical Research, 2009, 114, .	3.3	113
27	Numerous small magnetic field discontinuities of Bartels rotation 2286 and the potential role of AlfvÃ©nic turbulence. Journal of Geophysical Research, 2007, 112, .	3.3	111
28	Turbulent Heating of the Distant Solar Wind by Interstellar Pickup Protons. Astrophysical Journal, 2003, 592, 564-573.	4.5	104
29	Anisotropies and helicities in the solar wind inertial and dissipation ranges at 1 AU. Journal of Geophysical Research, 2008, 113, .	3.3	97
30	Spectral Properties of Heavy Ions Associated with the Passage of Interplanetary Shocks at 1 AU. Astrophysical Journal, 2004, 611, 1156-1174.	4.5	96
31	Statistical Analysis of the Highâ€Frequency Spectral Break of the Solar Wind Turbulence at 1 AU. Astrophysical Journal, 2008, 675, 1576-1583.	4.5	91
32	SPECTRAL INDICES FOR MULTI-DIMENSIONAL INTERPLANETARY TURBULENCE AT 1 AU. Astrophysical Journal, 2009, 692, 684-693.	4.5	89
33	Turbulence analysis of the Jovian upstream â€˜waveâ€™ phenomenon. Journal of Geophysical Research, 1983, 88, 5581-5593.	3.3	85
34	Interplanetary magnetic fluctuation anisotropy in the inertial range. Journal of Geophysical Research, 2006, 111, .	3.3	84
35	Transport of solar wind fluctuations: A two-component model. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	84
36	Magnetic disconnection from the Sun: Observations of a reconnection exhaust in the solar wind at the heliospheric current sheet. Geophysical Research Letters, 2005, 32, .	4.0	81

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37	Structure of correlation tensors in homogeneous anisotropic turbulence. Physical Review A, 1981, 24, 2135-2144.	2.5	80
38	Day the solar wind almost disappeared: Magnetic field fluctuations, wave refraction and dissipation. Journal of Geophysical Research, 2001, 106, 18625-18634.	3.3	77
39	Longâ€term variations of interplanetary magnetic field spectra with implications for cosmic ray modulation. Journal of Geophysical Research, 1993, 98, 3585-3603.	3.3	76
40	The dependence on geomagnetic conditions and solar wind dynamic pressure of the spatial distributions of EMIC waves observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2016, 121, 4362-4377.	2.4	76
41	OBSERVATIONAL CONSTRAINTS ON THE ROLE OF CYCLOTRON DAMPING AND KINETIC ALFVÃ‰N WAVES IN THE SOLAR WIND. Astrophysical Journal, 2012, 745, 8.	4.5	73
42	The radial temperature profile of the solar wind. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	71
43	Observations of kinetic scale field line resonances. Geophysical Research Letters, 2014, 41, 209-215.	4.0	69
44	Largeâ€amplitude MHD waves upstream of the Jovian bow shock: Reinterpretation. Journal of Geophysical Research, 1985, 90, 302-310.	3.3	68
45	Storm time occurrence and spatial distribution of Pc4 poloidal ULF waves in the inner magnetosphere: A Van Allen Probes statistical study. Journal of Geophysical Research: Space Physics, 2015, 120, 4748-4762.	2.4	66
46	Multiple flux rope magnetic ejecta in the solar wind. Journal of Geophysical Research, 2004, 109, .	3.3	65
47	Turbulent Cascade at 1ÂAU in High Cross-Helicity Flows. Physical Review Letters, 2009, 103, 201101.	7.8	62
48	Shocks inside CMEs: A survey of properties from 1997 to 2006. Journal of Geophysical Research: Space Physics, 2015, 120, 2409-2427.	2.4	60
49	Third-moment descriptions of the interplanetary turbulent cascade, intermittency and back transfer. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140150.	3.4	60
50	TURBULENT HEATING OF THE DISTANT SOLAR WIND BY INTERSTELLAR PICKUP PROTONS IN A DECELERATING FLOW. Astrophysical Journal, 2010, 719, 716-721.	4.5	57
51	Broadband lowâ€frequency electromagnetic waves in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 8603-8615.	2.4	56
52	Kolmogorov versus Iroshnikovâ€Kraichnan spectra: Consequences for ion heating in the solar wind. Journal of Geophysical Research, 2010, 115, .	3.3	55
53	Does the worsening galactic cosmic radiation environment observed by CRaTER preclude future manned deep space exploration?. Space Weather, 2014, 12, 622-632.	3.7	55
54	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. Geophysical Research Letters, 2014, 41, 4101-4108.	4.0	55

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55	Solar wind alpha particles and heavy ions in the inner heliosphere observed with MESSENGER. Journal of Geophysical Research, 2012, 117, .	3.3	54
56	Temporal and radial variation of the solar wind temperatureâ€speed relationship. Journal of Geophysical Research, 2012, 117, .	3.3	54
57	Large amplitude MHD waves upstream of the Jovian bow shock. Journal of Geophysical Research, 1983, 88, 9989-9999.	3.3	52
58	Hydromagnetic Wave Excitation Upstream of an Interplanetary Traveling Shock. Astrophysical Journal, 2004, 601, L99-L102.	4.5	52
59	Solar wind electron characteristics inside and outside coronal mass ejections. Journal of Geophysical Research, 2000, 105, 23069-23084.	3.3	48
60	Slowing of the Solar Wind in the Outer Heliosphere. Astrophysical Journal, 2019, 885, 156.	4.5	47
61	Characteristics of magnetic fluctuations within coronal mass ejections: The January 1997 event. Geophysical Research Letters, 1998, 25, 2505-2508.	4.0	46
62	THE TURBULENT CASCADE FOR HIGH CROSS-HELICITY STATES AT 1 AU. Astrophysical Journal, 2010, 713, 920-934.	4.5	46
63	Formation of the oxygen torus in the inner magnetosphere: Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2015, 120, 1182-1196.	2.4	46
64	THE TURBULENT CASCADE AND PROTON HEATING IN THE SOLAR WIND DURING SOLAR MINIMUM. Astrophysical Journal, 2012, 754, 93.	4.5	45
65	Location of intense electromagnetic ion cyclotron (EMIC) wave events relative to the plasmapause: Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2017, 122, 4064-4088.	2.4	45
66	Lowâ€harmonic magnetosonic waves observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2015, 120, 6230-6257.	2.4	44
67	Externally driven plasmaspheric ULF waves observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2015, 120, 526-552.	2.4	44
68	Update on the Worsening Particle Radiation Environment Observed by CRaTER and Implications for Future Human Deepâ€Space Exploration. Space Weather, 2018, 16, 289-303.	3.7	44
69	On the fast coronal mass ejections in October/November 2003: ACE-SWICS results. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	42
70	Extreme ionospheric ion energization and electron heating in AlfvÃ©n waves in the storm time inner magnetosphere. Geophysical Research Letters, 2015, 42, 10,531.	4.0	38
71	EMIC waves and associated relativistic electron precipitation on 25â€“26 January 2013. Journal of Geophysical Research: Space Physics, 2016, 121, 11,086.	2.4	36
72	Accurate estimation of third-order moments from turbulence measurements. Nonlinear Processes in Geophysics, 2009, 16, 99-110.	1.3	34

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73	Inertialâ€range anisotropies in the solar wind from 0.3 to 1 AU: Helios 1 observations. Journal of Geophysical Research, 2010, 115, .	3.3	34
74	ULYSSESOBSERVATIONS OF MAGNETIC WAVES DUE TO NEWBORN INTERSTELLAR PICKUP IONS. I. NEW OBSERVATIONS AND LINEAR ANALYSIS. Astrophysical Journal, 2014, 784, 150.	4.5	34
75	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. II. SYSTEMATIC Q/M DEPENDENCE OF HEAVY ION SPECTRAL BREAKS. Astrophysical Journal, 2016, 828, 106.	4.5	34
76	EXCITATION OF LOW-FREQUENCY WAVES IN THE SOLAR WIND BY NEWBORN INTERSTELLAR PICKUP IONS H⁺AND He⁺AS SEEN BY VOYAGER AT 4.5 AU. Astrophysical Journal, 2010, 724, 1256-1261.	4.5	33
77	ULYSSESOBSERVATIONS OF MAGNETIC WAVES DUE TO NEWBORN INTERSTELLAR PICKUP IONS. II. APPLICATION OF TURBULENCE CONCEPTS TO LIMITING WAVE ENERGY AND OBSERVABILITY. Astrophysical Journal, 2014, 787, 133.	4.5	33
78	The role of coronal mass ejections and interplanetary shocks in interplanetary magnetic field statistics and solar magnetic flux ejection. Journal of Geophysical Research, 1997, 102, 249-261.	3.3	32
79	THIRD MOMENTS AND THE ROLE OF ANISOTROPY FROM VELOCITY SHEAR IN THE SOLAR WIND. Astrophysical Journal, 2011, 736, 44.	4.5	31
80	Anisotropic form of third-order moments and relationship to the cascade rate in axisymmetric magnetohydrodynamic turbulence. Physics of Plasmas, 2007, 14, .	1.9	30
81	CORONAL ELECTRON TEMPERATURE FROM THE SOLAR WIND SCALING LAW THROUGHOUT THE SPACE AGE. Astrophysical Journal, 2011, 739, 9.	4.5	29
82	VARIABLE CASCADE DYNAMICS AND INTERMITTENCY IN THE SOLAR WIND AT 1 AU. Astrophysical Journal, 2014, 786, 52.	4.5	29
83	An analysis of AlfvÃ©n radius based on sunspot number from 1749 to today. Journal of Geophysical Research: Space Physics, 2014, 119, 115-120.	2.4	29
84	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. I. FE, O, AND SEED MATERIAL. Astrophysical Journal, 2016, 816, 68.	4.5	29
85	VOYAGER OBSERVATIONS OF MAGNETIC WAVES DUE TO NEWBORN INTERSTELLAR PICKUP IONS: 2â€“6 au. Astrophysical Journal, 2016, 822, 94.	4.5	29
86	In situ observations of Pc1 pearl pulsations by the Van Allen Probes. Geophysical Research Letters, 2014, 41, 1823-1829.	4.0	28
87	Van Allen Probes observations of magnetic field dipolarization and its associated O⁺ flux variations in the inner magnetosphere at Lâ€‰<â€‰6.6. Journal of Geophysical Research: Space Physics, 2016, 121, 7572-7589.	2.4	28
88	INTERPLANETARY MAGNETIC FLUX DEPLETION DURING PROTRACTED SOLAR MINIMA. Astrophysical Journal, 2011, 727, 8.	4.5	27
89	Some Properties of the Solar Wind Turbulence at 1 AU Statistically Examined in the Different Types of Solar Wind Plasma. Journal of Geophysical Research: Space Physics, 2019, 124, 2406-2424.	2.4	27
90	Thermal anisotropies in the solar wind: Evidence of heating by interstellar pickup ions?. Geophysical Research Letters, 1996, 23, 3259-3262.	4.0	25

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91	OBSERVATION OF BERNSTEIN WAVES EXCITED BY NEWBORN INTERSTELLAR PICKUP IONS IN THE SOLAR WIND. Astrophysical Journal, 2012, 745, 112.	4.5	25
92	An analysis of heliospheric magnetic field flux based on sunspot number from 1749 to today and prediction for the coming solar minimum. Journal of Geophysical Research: Space Physics, 2013, 118, 7525-7531.	2.4	25
93	In situ statistical observations of Pc1 pearl pulsations and unstructured EMIC waves by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2017, 122, 105-119.	2.4	25
94	Signatures of AlfvÃ©n-cyclotron wave-ion scattering: Advanced Composition Explorer (ACE) solar wind observations. Journal of Geophysical Research, 2005, 110, .	3.3	24
95	Van Allen Probes Observation of a Fundamental Poloidal Standing AlfvÃ©n Wave Event Related to Giant Pulsations. Journal of Geophysical Research: Space Physics, 2018, 123, 4574-4593.	2.4	24
96	Heating of the solar wind by pickup ion driven AlfvÃ©n ion cyclotron instability. Geophysical Research Letters, 1996, 23, 113-116.	4.0	23
97	DECLINE AND RECOVERY OF THE INTERPLANETARY MAGNETIC FIELD DURING THE PROTRACTED SOLAR MINIMUM. Astrophysical Journal, 2013, 775, 59.	4.5	23
98	A SURVEY OF MAGNETIC WAVES EXCITED BY NEWBORN INTERSTELLAR He⁺ OBSERVED BY THE ACE SPACECRAFT AT 1 au. Astrophysical Journal, 2016, 830, 47.	4.5	22
99	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. II. Instability and Turbulence Analyses. Astrophysical Journal, 2018, 863, 76.	4.5	22
100	Van Allen Probes Observations of Driftâ€Bounce Resonance and Energy Transfer Between Energetic Ring Current Protons and Poloidal Pc4 Wave. Journal of Geophysical Research: Space Physics, 2018, 123, 3421-3435.	2.4	22
101	Solar Wind Turbulence from 1 to 45 au. IV. Turbulent Transport and Heating of the Solar Wind Using Voyager Observations. Astrophysical Journal, 2020, 900, 94.	4.5	22
102	Automated shock detection and analysis algorithm for space weather application. Space Weather, 2008, 6, .	3.7	21
103	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. I. Wave Properties. Astrophysical Journal, 2018, 863, 75.	4.5	21
104	Observation and Numerical Simulation of Cavity Mode Oscillations Excited by an Interplanetary Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 1969-1988.	2.4	21
105	Whistler waves associated with the Uranian bow shock: Outbound observations. Journal of Geophysical Research, 1991, 96, 15841-15852.	3.3	20
106	Suprathermal electron 90Â° pitch angle depletions at reverse shocks in the solar wind. Journal of Geophysical Research, 2006, 111, .	3.3	20
107	Solar Wind Turbulence from 1 to 45 au. III. Anisotropy of Magnetic Fluctuations in the Inertial Range Using Voyager and ACE Observations. Astrophysical Journal, 2020, 900, 93.	4.5	20
108	Coronal electron temperature in the protracted solar minimum, the cycle 24 mini maximum, and over centuries. Journal of Geophysical Research: Space Physics, 2014, 119, 1486-1492.	2.4	19

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109	STATISTICAL ANALYSIS OF THE MAGNETIC HELICITY SIGNATURE OF THE SOLAR WIND TURBULENCE AT 1 AU. Astrophysical Journal, 2015, 806, 78.	4.5	19
110	Eastward Propagating Second Harmonic Poloidal Waves Triggered by Temporary Outward Gradient of Proton Phase Space Density: Van Allen Probe A Observation. Journal of Geophysical Research: Space Physics, 2019, 124, 9904-9923.	2.4	19
111	Longitudinal Structure of Oxygen Torus in the Inner Magnetosphere: Simultaneous Observations by Arase and Van Allen Probe A. Geophysical Research Letters, 2018, 45, 10,177.	4.0	18
112	Solar Wind Turbulence from 1 to 45 au. I. Evidence for Dissipation of Magnetic Fluctuations Using Voyager and ACE Observations. Astrophysical Journal, 2020, 900, 91.	4.5	18
113	Correlation lengths, the Ultrascale, and the spatial structure of interplanetary turbulence. , 1999, , .		17
114	Propagation of ULF waves from the upstream region to the midnight sector of the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 8428-8447.	2.4	17
115	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. Earth, Planets and Space, 2020, 72, 111.	2.5	17
116	Solar windâ€“magnetosphere coupling efficiency for solar wind pressure impulses. Geophysical Research Letters, 2007, 34, .	4.0	16
117	â€œCraterâ€•flux transfer events: Highroad to the X line?. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	16
118	ACE observations of magnetic waves arising from newborn interstellar pickup helium ions. Geophysical Research Letters, 2015, 42, 9617-9623.	4.0	16
119	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. III. Observation Times. Astrophysical Journal, Supplement Series, 2018, 237, 34.	7.7	16
120	Further evidence of wave refraction associated with extended rarefaction events in the solar wind. Journal of Geophysical Research, 2004, 109, .	3.3	15
121	Comment on â€œScaling Laws of Turbulence and Heating of Fast Solar Wind: The Role of Density Fluctuationsâ€• Physical Review Letters, 2010, 104, 189001; author reply 189002.	7.8	15
122	Turbulence associated with corotating interaction regions at 1 AU: Inertial and dissipation range magnetic field spectra. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	15
123	Observation of Magnetic Waves Excited by Newborn Interstellar Pickup He+ Observed by the Voyager 2 Spacecraft at 30 au. Astrophysical Journal, 2017, 849, 61.	4.5	15
124	Correlation Scales of the Turbulent Cascade at 1 au. Astrophysical Journal, 2018, 858, 21.	4.5	15
125	Whistler wave bursts upstream of the Uranian bow shock. Journal of Geophysical Research, 1989, 94, 17035-17048.	3.3	14
126	Twoâ€•stage oscillatory response of the magnetopause to a tangential discontinuity/vortex sheet followed by northward IMF: Cluster observations. Journal of Geophysical Research, 2008, 113, .	3.3	14

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127	Proton temperature change with heliocentric distance from 0.3 to 1 AU according to relative temperatures. Journal of Geophysical Research: Space Physics, 2014, 119, 3267-3280.	2.4	14
128	The heliospheric magnetic flux, solar wind proton flux, and cosmic ray intensity during the coming solar minimum. Space Weather, 2014, 12, 499-507.	3.7	14
129	Inferring the Heliospheric Magnetic Field Back through Maunder Minimum. Astrophysical Journal, 2017, 837, 165.	4.5	14
130	Driving and Dissipation of Solar-Wind Turbulence: What is the Evidence?. Frontiers in Astronomy and Space Sciences, 2021, 7, .	2.8	14
131	Solar Wind Turbulence from 1 to 45 au. II. Analysis of Inertial-range Fluctuations Using Voyager and ACE Observations. Astrophysical Journal, 2020, 900, 92.	4.5	14
132	Ion cyclotron harmonic resonances driven by ion ringâ€beam distributions. Journal of Geophysical Research, 1991, 96, 285-288.	3.3	13
133	Learning about coronal heating from solar wind observations. Physics of Plasmas, 2005, 12, 056501.	1.9	13
134	THE FLUX OF OPEN AND TOROIDAL INTERPLANETARY MAGNETIC FIELD AS A FUNCTION OF HELIOLATITUDE AND SOLAR CYCLE. Astrophysical Journal, 2009, 695, 357-362.	4.5	13
135	Listing of 502 Times When the Ulysses Magnetic Fields Instrument Observed Waves Due to Newborn Interstellar Pickup Protons. Astrophysical Journal, 2017, 840, 13.	4.5	13
136	Observations of Low-Frequency Magnetic Waves due to Newborn Interstellar Pickup Ions Using ACE, Ulysses, and Voyager Data. Journal of Physics: Conference Series, 2017, 900, 012018.	0.4	13
137	Interstellar Neutrals, Pickup Ions, and Energetic Neutral Atoms Throughout the Heliosphere: Present Theory and Modeling Overview. Space Science Reviews, 2022, 218, 1.	8.1	13
138	Roles of Flow Braking, Plasmaspheric Virtual Resonances, and Ionospheric Currents in Producing Ground Pi2 Pulsations. Journal of Geophysical Research: Space Physics, 2018, 123, 9187-9203.	2.4	12
139	A slow mode transition region adjoining the front boundary of a magnetic cloud as a relic of a convected solar wind feature: Observations and MHD simulation. Journal of Geophysical Research, 2008, 113, .	3.3	11
140	Magnetosheath for almostâ€aligned solar wind magnetic field and flow vectors: Wind observations across the dawnside magnetosheath at X = â¯12 Re. Journal of Geophysical Research, 2010, 115, .	3.3	11
141	Turbulence associated with corotating interaction regions at 1AU: Inertial range cross-helicity spectra. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	11
142	Turbulence in space plasmas. , 2009, , 163-194.		10
143	Use of singleâ€component wind speed in Rankineâ€Hugoniot analysis of interplanetary shocks. Space Weather, 2011, 9, .	3.7	9
144	Multifrequency compressional magnetic field oscillations and their relation to multiharmonic toroidal mode standing AlfvÃ©n waves. Journal of Geophysical Research: Space Physics, 2015, 120, 10,384.	2.4	9

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145	The Turbulence Magnetic Helicity Signature in the Interplanetary Medium: A Blackmanâ€“Tukey and Morlet Wavelet Analysis. Astrophysical Journal, 2018, 855, 121.	4.5	9
146	Technique for measuring and correcting the Taylor microscale. Journal of Geophysical Research: Space Physics, 2014, 119, 4256-4265.	2.4	7
147	THE EFFECT OF ELECTRON THERMAL PRESSURE ON THE OBSERVED MAGNETIC HELICITY IN THE SOLAR WIND. Astrophysical Journal, 2016, 833, 212.	4.5	7
148	Multiâ€Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Nonâ€Stormâ€Time Substorms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029081.	2.4	7
149	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive Allâ€Sky Camera and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029078.	2.4	7
150	SmithetÂal.Reply:. Physical Review Letters, 2010, 104, .	7.8	6
151	Timing of changes in the solar wind energy input in relation to ionospheric response. Journal of Geophysical Research, 2010, 115, .	3.3	6
152	The Turbulent Cascade for High Cross-helicity States at 1 au. II. Minor Energy. Astrophysical Journal, 2018, 867, 156.	4.5	6
153	Galactic Cosmic Radiation in the Interplanetary Space Through a Modern Secular Minimum. Space Weather, 2020, 18, e2019SW002428.	3.7	6
154	Anisotropy of shockâ€accelerated ion distributions in interplanetary space. Journal of Geophysical Research, 1989, 94, 5474-5478.	3.3	5
155	Advance warning of highâ€speed ejecta based on realâ€time shock analyses: When fastâ€moving ejecta appear to be overtaking slowâ€moving shocks. Space Weather, 2012, 10, .	3.7	5
156	Solar wind magnetic field discontinuities and turbulence generated current layers. AIP Conference Proceedings, 2013, , .	0.4	5
157	Heating the Outer Heliosphere by Pickup Protons. AIP Conference Proceedings, 2004, , .	0.4	4
158	Space weather drivers in the ACE era. Space Weather, 2006, 4, n/a-n/a.	3.7	4
159	Turbulence spectrum of interplanetary magnetic fluctuations and the rate of energy cascade. AIP Conference Proceedings, 2007, , .	0.4	4
160	Advanced Composition Explorer Observations of Turbulence from 1998 through 2002: Data Intervals. Astrophysical Journal, Supplement Series, 2020, 250, 15.	7.7	4
161	High-latitude Observations of Inertial-range Turbulence by the Ulysses Spacecraft During the Solar Minimum of 1993â€“96. Astrophysical Journal, 2022, 927, 43.	4.5	4
162	Low-frequency Waves due to Newborn Interstellar Pickup He⁺ Observed by the Ulysses Spacecraft. Astrophysical Journal, 2021, 923, 185.	4.5	4

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163	Analysis of multi-dimensional correlation functions in the solar wind. AIP Conference Proceedings, 2013, , .	0.4	3
164	Fieldâ€Aligned Electron Density Distribution of the Inner Magnetosphere Inferred From Coordinated Observations of Arase and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029073.	2.4	3
165	The Energetic Storm Particle Event on 2003 October 24: A Test of Diffusive Shock Acceleration Theory. AIP Conference Proceedings, 2005, , .	0.4	2
166	Solar Wind Turbulence from 1 to 45 au. V. Data Intervals from the Voyager Observations. Astrophysical Journal, Supplement Series, 2020, 250, 14.	7.7	2
167	Flux Enhancements of Fieldâ€Aligned Lowâ€Energy O⁺ Ion (FALEO) in the Inner Magnetosphere: A Possible Source of Warm Plasma Cloak and Oxygen Torus. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2
168	Preliminary Results from SEP and ESP Studies. AIP Conference Proceedings, 2008, , .	0.4	1
169	The Effect of Magnetic Turbulence Energy Spectra and Pickup Ions on the Heating of the Solar Wind. AIP Conference Proceedings, 2010, , .	0.4	1
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