

Peter Harvey

List of Publications by Year in descending order

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61
papers

3,767
citations

159358

30
h-index

123241

61
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66
all docs

66
docs citations

66
times ranked

1816
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Alfvén Wave Solar Atmosphere Model Based on Parker Solar Probe Data. <i>Astrophysical Journal</i> , 2022, 925, 146.	1.6	16
2	Sub-Alfvénic Solar Wind Observed by the Parker Solar Probe: Characterization of Turbulence, Anisotropy, Intermittency, and Switchback. <i>Astrophysical Journal Letters</i> , 2022, 926, L1.	3.0	28
3	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091376.	1.5	16
4	Measurement of Magnetic Field Fluctuations in the Parker Solar Probe and Solar Orbiter Missions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028543.	0.8	17
5	The Encounter of the Parker Solar Probe and a Comet-like Object Near the Sun: Model Predictions and Measurements. <i>Astrophysical Journal</i> , 2021, 910, 7.	1.6	4
6	Non-detection of Lightning During the Second Parker Solar Probe Venus Gravity Assist. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091751.	1.5	4
7	Evolution of Solar Wind Turbulence from 0.1 to 1 au during the First Parker Solar Probe's Solar Orbiter Radial Alignment. <i>Astrophysical Journal Letters</i> , 2021, 912, L21.	3.0	49
8	Magnetic increases with central current sheets: observations with Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A11.	2.1	8
9	Electron Bernstein waves and narrowband plasma waves near the electron cyclotron frequency in the near-Sun solar wind. <i>Astronomy and Astrophysics</i> , 2021, 650, A97.	2.1	12
10	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. <i>Astronomy and Astrophysics</i> , 2021, 650, L4.	2.1	12
11	Alfvénic versus non-Alfvénic turbulence in the inner heliosphere as observed by Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A21.	2.1	29
12	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. <i>Astronomy and Astrophysics</i> , 2021, 650, A13.	2.1	23
13	Measurement of the open magnetic flux in the inner heliosphere down to 0.13 AU. <i>Astronomy and Astrophysics</i> , 2021, 650, A18.	2.1	26
14	The contribution of alpha particles to the solar wind angular momentum flux in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2021, 650, A17.	2.1	11
15	Solar wind energy flux observations in the inner heliosphere: first results from Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A14.	2.1	12
16	Kinetic-scale Turbulence in the Venusian Magnetosheath. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090783.	1.5	11
17	Exploring the Solar Wind from Its Source on the Corona into the Inner Heliosphere during the First Solar Orbiter's Parker Solar Probe Quadrature. <i>Astrophysical Journal Letters</i> , 2021, 920, L14.	3.0	25
18	Ambipolar Electric Field and Potential in the Solar Wind Estimated from Electron Velocity Distribution Functions. <i>Astrophysical Journal</i> , 2021, 921, 83.	1.6	14

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19	Plasma Double Layers at the Boundary Between Venus and the Solar Wind. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090115.	1.5	16
20	Parker Solar Probe Observations of Proton Beams Simultaneous with Ion-scale Waves. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 5.	3.0	62
21	In Situ Observations of Interplanetary Dust Variability in the Inner Heliosphere. <i>Astrophysical Journal</i> , 2020, 892, 115.	1.6	22
22	A Merged Searchâ€Coil and Fluxgate Magnetometer Data Product for Parker Solar Probe FIELDS. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027813.	0.8	31
23	MHD Mode Composition in the Inner Heliosphere from the <i>Parker Solar Probe</i>â€™s First Perihelion. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 71.	3.0	17
24	Proton Temperature Anisotropy Variations in Inner Heliosphere Estimated with the First <i>Parker Solar Probe</i> Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 70.	3.0	56
25	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at $35.7 R_{\odot}$ Radii. <i>Astrophysical Journal Letters</i> , 2020, 891, L20.	3.0	46
26	Examining Dust Directionality with the Parker Solar Probe FIELDS Instrument. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 51.	3.0	26
27	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
28	Constraining Ion-Scale Heating and Spectral Energy Transfer in Observations of Plasma Turbulence. <i>Physical Review Letters</i> , 2020, 125, 025102.	2.9	29
29	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
30	Density Fluctuations in the Solar Wind Based on Type III Radio Bursts Observed by Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 57.	3.0	45
31	First In Situ Measurements of Electron Density and Temperature from Quasi-thermal Noise Spectroscopy with Parker Solar Probe/FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 44.	3.0	106
32	Observations of Heating along Intermittent Structures in the Inner Heliosphere from PSP Data. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 46.	3.0	26
33	The Heliospheric Current Sheet in the Inner Heliosphere Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 47.	3.0	50
34	The Evolution and Role of Solar Wind Turbulence in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 53.	3.0	166
35	Measures of Scale-dependent AlfvÃ©nicity in the First <i>PSP</i> Solar Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 58.	3.0	51
36	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

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37	Ion-scale Electromagnetic Waves in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 66.	3.0	67
38	Cross Helicity Reversals in Magnetic Switchbacks. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 67.	3.0	61
39	The Role of Alfvén Wave Dynamics on the Large-scale Properties of the Solar Wind: Comparing an MHD Simulation with Parker Solar Probe E1 Data. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 24.	3.0	66
40	Enhanced Energy Transfer Rate in Solar Wind Turbulence Observed near the Sun from Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 48.	3.0	56
41	Statistics and Polarization of Type III Radio Bursts Observed in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 49.	3.0	35
42	Plasma Waves near the Electron Cyclotron Frequency in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 21.	3.0	30
43	Electrons in the Young Solar Wind: First Results from the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 22.	3.0	99
44	The Enhancement of Proton Stochastic Heating in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 30.	3.0	23
45	Magnetic Field Kinks and Folds in the Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 32.	3.0	86
46	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 34.	3.0	65
47	Switchbacks in the Near-Sun Magnetic Field: Long Memory and Impact on the Turbulence Cascade. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 39.	3.0	152
48	Predicting the Solar Wind at the Parker Solar Probe Using an Empirically Driven MHD Model. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 40.	3.0	14
49	Coronal Electron Temperature Inferred from the Strahl Electrons in the Inner Heliosphere: Parker Solar Probe and Helios Observations. <i>Astrophysical Journal</i> , 2020, 892, 88.	1.6	34
50	Small-scale Magnetic Flux Ropes in the First Two Parker Solar Probe Encounters. <i>Astrophysical Journal</i> , 2020, 903, 76.	1.6	22
51	Magnetic Connectivity of the Ecliptic Plane within 0.5 au: Potential Field Source Surface Modeling of the First Parker Solar Probe Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 23.	3.0	100
52	Sharp Alfvénic Impulses in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 45.	3.0	115
53	Time Domain Structures and Dust in the Solar Vicinity: Parker Solar Probe Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 50.	3.0	10
54	Kinetic-scale Spectral Features of Cross Helicity and Residual Energy in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 52.	3.0	10

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55	Exploring Solar Wind Origins and Connecting Plasma Flows from the <i>Parker Solar Probe</i> to 1 au: Nonspherical Source Surface and Alfvénic Fluctuations. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 54.	3.0	46
56	Anticorrelation between the Bulk Speed and the Electron Temperature in the Pristine Solar Wind: First Results from the <i>Parker Solar Probe</i> and Comparison with <i>Helios</i> . <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 62.	3.0	55
57	The Radial Dependence of Proton-scale Magnetic Spectral Break in Slow Solar Wind during <i>PSP</i> Encounter 2. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 55.	3.0	36
58	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	13.7	401
59	The Solar Probe Plus Radio Frequency Spectrometer: Measurement requirements, analog design, and digital signal processing. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2836-2854.	0.8	74
60	The <i>FIELDS</i> Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	3.7	521
61	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013, 179, 183-220.	3.7	421