

Philip A Isenberg

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,890
citations

279798

23
h-index

243625

44
g-index

53
all docs

53
docs citations

53
times ranked

879
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.5	4
2	Low-frequency Waves due to Newborn Interstellar Pickup He ⁺ Observed by the Ulysses Spacecraft. <i>Astrophysical Journal</i> , 2021, 923, 185.	4.5	4
3	Proton Perpendicular Heating in Turbulence Simulations: Determination of the Velocity Diffusion Coefficient. <i>Astrophysical Journal</i> , 2020, 893, 71.	4.5	6
4	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.	4.5	14
5	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.	4.5	18
6	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.	4.5	20
7	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.	4.5	22
8	Solar Wind Turbulence from 1 to 45 au. V. Data Intervals from the Voyager Observations. <i>Astrophysical Journal</i> , Supplement Series, 2020, 250, 14.	7.7	2
9	An empirically-based model of the upstream heliopause and outer heliosheath - Current status. <i>Journal of Physics: Conference Series</i> , 2019, 1332, 012008.	0.4	0
10	Perpendicular Ion Heating by Cyclotron Resonant Dissipation of Turbulently Generated Kinetic Alfvén Waves in the Solar Wind. <i>Astrophysical Journal</i> , 2019, 887, 63.	4.5	18
11	Quasilinear Consequences of Turbulent Ion Heating by Magnetic Moment Breaking. <i>Astrophysical Journal</i> , 2019, 870, 119.	4.5	8
12	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</i> , Supplement Series, 2018, 237, 34.	7.7	16
13	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the <i>Voyager</i> Spacecraft from 1 to 45 au. II. Instability and Turbulence Analyses. <i>Astrophysical Journal</i> , 2018, 863, 76.	4.5	22
14	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the <i>Voyager</i> Spacecraft from 1 to 45 au. I. Wave Properties. <i>Astrophysical Journal</i> , 2018, 863, 75.	4.5	21
15	Listing of 502 Times When the Ulysses Magnetic Fields Instrument Observed Waves Due to Newborn Interstellar Pickup Protons. <i>Astrophysical Journal</i> , 2017, 840, 13.	4.5	13
16	Observation of Magnetic Waves Excited by Newborn Interstellar Pickup He ⁺ Observed by the <i>Voyager 2</i> Spacecraft at 30 au. <i>Astrophysical Journal</i> , 2017, 849, 61.	4.5	15
17	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.	0.4	13
18	A SURVEY OF MAGNETIC WAVES EXCITED BY NEWBORN INTERSTELLAR He ⁺ OBSERVED BY THE ACE SPACECRAFT AT 1 au. <i>Astrophysical Journal</i> , 2016, 830, 47.	4.5	22

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19	VOYAGER OBSERVATIONS OF MAGNETIC WAVES DUE TO NEWBORN INTERSTELLAR PICKUP IONS: 2â€“6 au. <i>Astrophysical Journal</i> , 2016, 822, 94.	4.5	29
20	ACE observations of magnetic waves arising from newborn interstellar pickup helium ions. <i>Geophysical Research Letters</i> , 2015, 42, 9617-9623.	4.0	16
21	DRAPING OF THE INTERSTELLAR MAGNETIC FIELD OVER THE HELIOPAUSE: A PASSIVE FIELD MODEL. <i>Astrophysical Journal</i> , 2015, 805, 153.	4.5	27
22	KINETIC EVOLUTION OF CORONAL HOLE PROTONS BY IMBALANCED ION-CYCLOTRON WAVES: IMPLICATIONS FOR MEASUREMENTS BY SOLAR PROBE PLUS. <i>Astrophysical Journal</i> , 2015, 808, 119.	4.5	5
23	<i>ULYSSES</i> OBSERVATIONS OF MAGNETIC WAVES DUE TO NEWBORN INTERSTELLAR PICKUP IONS. I. NEW OBSERVATIONS AND LINEAR ANALYSIS. <i>Astrophysical Journal</i> , 2014, 784, 150.	4.5	34
24	<i>ULYSSES</i> OBSERVATIONS OF MAGNETIC WAVES DUE TO NEWBORN INTERSTELLAR PICKUP IONS. II. APPLICATION OF TURBULENCE CONCEPTS TO LIMITING WAVE ENERGY AND OBSERVABILITY. <i>Astrophysical Journal</i> , 2014, 787, 133.	4.5	33
25	SPATIAL CONFINEMENT OF THE <i>IBEX</i> RIBBON: A DOMINANT TURBULENCE MECHANISM. <i>Astrophysical Journal</i> , 2014, 787, 76.	4.5	56
26	SELF-CONSISTENT ION CYCLOTRON ANISOTROPY-BETA RELATION FOR SOLAR WIND PROTONS. <i>Astrophysical Journal</i> , 2013, 773, 164.	4.5	28
27	Observational study of the cooling behavior of interstellar helium pickup ions in the inner heliosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3946-3953.	2.4	15
28	Energy Diffusion of Pickup Ions Upstream of Comets. <i>Special Publications</i> , 2013, , 8795-8799.	0.0	0
29	A self-consistent marginally stable state for parallel ion cyclotron waves. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	24
30	OBSERVATION OF BERNSTEIN WAVES EXCITED BY NEWBORN INTERSTELLAR PICKUP IONS IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2012, 745, 112.	4.5	25
31	A KINETIC MODEL OF SOLAR WIND GENERATION BY OBLIQUE ION-CYCLOTRON WAVES. <i>Astrophysical Journal</i> , 2011, 731, 88.	4.5	34
32	TURBULENT HEATING OF THE DISTANT SOLAR WIND BY INTERSTELLAR PICKUP PROTONS IN A DECELERATING FLOW. <i>Astrophysical Journal</i> , 2010, 719, 716-721.	4.5	57
33	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. <i>Astrophysical Journal</i> , 2010, 724, 1256-1261.	4.5	33
34	PREFERENTIAL ACCELERATION AND PERPENDICULAR HEATING OF MINOR IONS IN A COLLISIONLESS CORONAL HOLE. <i>Astrophysical Journal</i> , 2009, 696, 591-600.	4.5	36
35	A Kinetic Model of Acceleration and Heating of Coronal Hole Minor Ions. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
36	Preferential Perpendicular Heating of Coronal Hole Minor Ions by the Fermi Mechanism. <i>Astrophysical Journal</i> , 2007, 668, 546-556.	4.5	51

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37	Turbulent Heating of the Solar Wind by Newborn Interstellar Pickup Protons. <i>Astrophysical Journal</i> , 2006, 638, 508-517.	4.5	144
38	Turbulence-driven Solar Wind Heating and Energization of Pickup Protons in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2005, 623, 502-510.	4.5	95
39	Heating the Outer Heliosphere by Pickup Protons. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	4
40	The kinetic shell model of coronal heating and acceleration by ion cyclotron waves: 3. The proton halo and dispersive waves. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	41
41	Turbulent Heating of the Distant Solar Wind by Interstellar Pickup Protons. <i>Astrophysical Journal</i> , 2003, 592, 564-573.	4.5	104
42	Generation of the fast solar wind: A review with emphasis on the resonant cyclotron interaction. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 12-1.	3.3	300
43	The kinetic shell model of coronal heating and acceleration by ion cyclotron waves: 1. Outward propagating waves. <i>Journal of Geophysical Research</i> , 2001, 106, 5649-5660.	3.3	78
44	Heating of Coronal Holes and Generation of the Solar Wind by Ion-Cyclotron Resonance. <i>Space Science Reviews</i> , 2001, 95, 119-131.	8.1	46
45	A weaker solar wind termination shock. <i>Geophysical Research Letters</i> , 1997, 24, 623-626.	4.0	25
46	A hemispherical model of anisotropic interstellar pickup ions. <i>Journal of Geophysical Research</i> , 1997, 102, 4719-4724.	3.3	157
47	A dispersive analysis of bispherical pickup ion distributions. <i>Journal of Geophysical Research</i> , 1996, 101, 11055-11066.	3.3	62
48	Effects of spatial transport and ambient wave intensity on the generation of MHD waves by interstellar pickup protons. <i>AIP Conference Proceedings</i> , 1996, , .	0.4	7
49	Electron-impact ionization of interstellar hydrogen and helium at interplanetary shocks. <i>Geophysical Research Letters</i> , 1995, 22, 873-875.	4.0	15
50	The ion cyclotron dispersion relation in a proton-alpha solar wind. <i>Journal of Geophysical Research</i> , 1984, 89, 2133-2141.	3.3	62