Jana Å afrÃ¡nkovÃ¡

List of Publications by Year
in descending order

276 papers	4,305 citations	109321 35 h-index	197818 49 g-index
298 all docs	298 docs citations	298 times ranked	1760 citing authors

#	Article	IF	Citations
1	Comprehensive study of the magnetospheric response to a hot flow anomaly. Journal of Geophysical Research, 1999, 104, 4577-4593.	3.3	169
2	Small scale observation of magnetopause motion: preliminary results of the INTERBALL project. Annales Geophysicae, 1997, 15, 562-569.	1.6	96
3	Transient flux enhancements in the magnetosheath. Geophysical Research Letters, 1998, 25, 1273-1276.	4.0	94
4	Magnetopause expansions for quasiâ€radial interplanetary magnetic field: THEMIS and Geotail observations. Journal of Geophysical Research, 2010, 115, .	3.3	71
5	Fast Solar Wind Monitor (BMSW): Description and First Results. Space Science Reviews, 2013, 175, 165-182.	8.1	68
6	INTERMITTENCY OF SOLAR WIND DENSITY FLUCTUATIONS FROM ION TO ELECTRON SCALES. Astrophysical Journal Letters, 2014, 789, L8.	8.3	66
7	Ion Kinetic Scale in the Solar Wind Observed. Physical Review Letters, 2013, 110, 025004.	7.8	65
8	Improved bow shock model with dependence on the IMF strength. Planetary and Space Science, 2005, 53, 85-93.	1.7	64
9	Numerical MHD modeling of propagation of interplanetary shock through the magnetosheath. Journal of Geophysical Research, 2006, 111, .	3.3	62
10	High energy jets in the Earthâ€™s magnetosheath: Implications for plasma dynamics and anomalous transport. JETP Letters, 2008, 87, 593-599.	1.4	61
11	A new approach to magnetopause and bow shock modeling based on automated region identification. Journal of Geophysical Research, 2012, 117, .	3.3	61
12	IMF cone angle control of the magnetopause location: Statistical study. Geophysical Research Letters, 2010, 37, .	4.0	56
13	Magnetopause motion driven by interplanetary magnetic field variations. Journal of Geophysical Research, 2000, 105, 25155-25169.	3.3	52
14	Earth's bow shock and magnetopause in the case of a field-aligned upstream flow: Observation and model comparison. Journal of Geophysical Research, 2003, 108, .	3.3	52
15	Mass-Loss Rate for MF Resin Microspheres. IEEE Transactions on Plasma Science, 2004, 32, 704-708.	1.3	52
16	Dusty Plasma Effects in Near Earth Space and Interplanetary Medium. Space Science Reviews, 2011, 161, 1-47.	8.1	52
17	Super fast plasma streams as drivers of transient and anomalous magnetospheric dynamics. Annales Geophysicae, 2012, 30, 1-7.	1.6	52
18	The magnetopause shape and location: a comparison of the Interball and Geotail observations with models. Annales Geophysicae, 2002, 20, 301-309.	1.6	51

#	ARTICLE	IF	CITATIONS
19	SOLAR WIND DENSITY SPECTRA AROUND THE ION SPECTRAL BREAK. Astrophysical Journal, 2015, 803, 107.	4.5	51
20	Analysis of the 3-D shape of the terrestrial bow shock by interball/magion 4 observations. Advances in Space Research, 2001, 28, 857-862.	2.6	47
21	POWER SPECTRAL DENSITY OF FLUCTUATIONS OF BULK AND THERMAL SPEEDS IN THE SOLAR WIND. Astrophysical Journal, 2016, 825, 121.	4.5	46
22	Observations of the radial magnetosheath profile and a comparison with gasdynamic model predictions. Geophysical Research Letters, 2000, 27, 2801-2804.	4.0	45
23	Fast measurements of parameters of the Solar Wind using the BMSW instrument. Cosmic Research, 2013, 51, 78-89.	0.6	45
24	A new threeâ€dimensional magnetopause model with a support vector regression machine and a large database of multiple spacecraft observations. Journal of Geophysical Research: Space Physics, 2013, 118, 2173-2184.	2.4	43
25	Cusp-like plasma in high altitudes: a statistical study of the width and location of the cusp from Magion-4. Annales Geophysicae, 2002, 20, 311-320.	1.6	42
26	Multispacecraft measurements of plasma and magnetic field variations in the magnetosheath: Comparison with Spreiter models and motion of the structures. Planetary and Space Science, 2002, 50, 601-612.	1.7	41
27	High and low frequency large amplitude variations of plasma and magnetic field in the magnetosheath: Radial profile and some features. Advances in Space Research, 2003, 31, 1389-1394.	2.6	41
28	The Earth's bow shock and magnetopause position as a result of the solar wind-magnetosphere interaction. Journal of Atmospheric and Solar-Terrestrial Physics, 1991, 53, 1049-1054.	0.9	40
29	Surface potential of small particles charged by the medium-energy electron beam. Vacuum, 1998, 50, 139-142.	3.5	39
30	Why does the subsolar magnetopause move sunward for radial interplanetary magnetic field?. Journal of Geophysical Research, 2012, 117, .	3.3	39
31	Low-frequency variations of the ion flux in the magnetosheath. Planetary and Space Science, 2002, 50, 567-575.	1.7	38
32	Dynamic properties of small-scale solar wind plasma fluctuations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140146.	3.4	37
33	Latitudinal energy dispersion of the ion and electron fluxes in the auroral oval. Advances in Space Research, 1996, 18, 127-130.	2.6	36
34	Two point observation of high-latitude reconnection. Geophysical Research Letters, 1998, 25, 4301-4304.	4.0	36
35	Interball Tail Probe Measurements in Outer Cusp and Boundary Layers. Geophysical Monograph Series, 2013, , 25-44.	0.1	36
36	Deformation of interplanetary shock fronts in the magnetosheath. Geophysical Research Letters, 2005, 32, .	4.0	35

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37	Reliability of prediction of the magnetosheath <i>B</i>_{<i>Z</i>} component from interplanetary magnetic field observations. Journal of Geophysical Research, 2009, 114, .	3.3	35
38	PRESSURE PULSES AT VOYAGER 2: DRIVERS OF INTERSTELLAR TRANSIENTS?. Astrophysical Journal, 2017, 834, 190.	4.5	35
39	Magnetosheath-cusp interface. Annales Geophysicae, 2004, 22, 183-212.	1.6	35
40	Multi-spacecraft tracing of turbulent boundary layer. Advances in Space Research, 2002, 30, 2821-2830.	2.6	34
41	Interplanetary shock in the magnetosheath: Comparison of experimental data with MHD modeling. Geophysical Research Letters, 2006, 33, .	4.0	33
42	Modification of interplanetary shocks near the bow shock and through the magnetosheath. Journal of Geophysical Research, 2007, 112, .	3.3	33
43	On the properties of turbulent boundary layer over polar cusps. Nonlinear Processes in Geophysics, 2002, 9, 443-451.	1.3	31
44	Turbulent boundary layer at the border of geomagnetic trap. JETP Letters, 2001, 74, 547-551.	1.4	30
45	Interaction between single dust grains and ions or electrons: laboratory measurements and their consequences for the dust dynamics. Faraday Discussions, 2008, 137, 139-155.	3.2	29
46	A reexamination of longâ€duration radial IMF events. Journal of Geophysical Research: Space Physics, 2014, 119, 7005-7011.	2.4	29
47	Arbitrary-order Hilbert Spectral Analysis and Intermittency in Solar Wind Density Fluctuations. Astrophysical Journal, 2018, 859, 27.	4.5	29
48	Magnetosheath response to the interplanetary magnetic field tangential discontinuity. Journal of Geophysical Research, 2000, 105, 25113-25121.	3.3	28
49	Response of magnetospheric boundaries to the interplanetary shock: Themis contribution. Geophysical Research Letters, 2008, 35, .	4.0	28
50	Evolution of Relative Drifts in the Expanding Solar Wind: Helios Observations. Solar Physics, 2019, 294, 1.	2.5	28
51	Structure of the low-latitude magnetopause: MAGION-4 observations. Annales Geophysicae, 1997, 15, 553-561.	1.6	27
52	High-altitude cusp: INTERBALL observation. Advances in Space Research, 2000, 25, 1425-1434.	2.6	27
53	Structure of the outer cusp and sources of the cusp precipitation during intervals of a horizontal IMF. Journal of Geophysical Research, 2003, 108, .	3.3	27
54	Do we know the actual magnetopause position for typical solar wind conditions?. Journal of Geophysical Research: Space Physics, 2016, 121, 6493-6508.	2.4	27

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55	The shape and location of the high-latitude magnetopause. Advances in Space Research, 2005, 36, 1934-1939.	2.6	26
56	Thin magnetosheath as a consequence of the magnetopause deformation: THEMIS observations. Journal of Geophysical Research, 2010, 115, .	3.3	25
57	SHORT-SCALE VARIATIONS OF THE SOLAR WIND HELIUM ABUNDANCE. Astrophysical Journal, 2013, 778, 25.	4.5	25
58	Observation of the magnetospheric â€œsashâ€•and its implications relative to solar-wind/magnetospheric coupling: A multisatellite event analysis. Journal of Geophysical Research, 2001, 106, 6097-6122.	3.3	24
59	The dawn-dusk asymmetry of the magnetosheath: INTERBALL-1 observations. Advances in Space Research, 2003, 31, 1333-1340.	2.6	24
60	DENSITY FLUCTUATIONS UPSTREAM AND DOWNSTREAM OF INTERPLANETARY SHOCKS. Astrophysical Journal, 2016, 819, 41.	4.5	24
61	Laboratory modeling of dust impact detection by the Cassini spacecraft. Planetary and Space Science, 2018, 156, 85-91.	1.7	24
62	Energetic proton spectra upstream of the bow shock from intershock project. Advances in Space Research, 1986, 6, 67-70.	2.6	22
63	The tilt angle control of the outer cusp position. Geophysical Research Letters, 2000, 27, 77-80.	4.0	22
64	Two-point measurements of the magnetopause: Interball observations. Journal of Geophysical Research, 2000, 105, 237-244.	3.3	22
65	Variations of the flank LLBL thickness as response to the solar wind dynamic pressure and IMF orientation. Journal of Geophysical Research, 2007, 112, .	3.3	22
66	LUNAR DUST GRAIN CHARGING BY ELECTRON IMPACT: DEPENDENCE OF THE SURFACE POTENTIAL ON THE GRAIN SIZE. Astrophysical Journal, 2011, 738, 14.	4.5	22
67	Cusp and boundary layer observations by INTERBALL. Advances in Space Research, 1997, 20, 823-832.	2.6	21
68	A Model of Secondary Emission From Dust Grains and Its Comparison With an Experiment. IEEE Transactions on Plasma Science, 2004, 32, 617-622.	1.3	21
69	Propagation of interplanetary shocks through the solar wind and magnetosheath. Advances in Space Research, 2006, 38, 552-558.	2.6	21
70	MHD analysis of propagation of an interplanetary shock across magnetospheric boundaries. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 20-29.	1.6	21
71	Ion scales of quasiâ€perpendicular lowâ€Machâ€number interplanetary shocks. Geophysical Research Letters, 2013, 40, 4133-4137.	4.0	21
72	Multifractal analysis of high resolution solar wind proton density measurements. Advances in Space Research, 2017, 59, 1642-1651.	2.6	21

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73	What is the Solar Wind Frame of Reference?. Astrophysical Journal, 2020, 889, 163.	4.5	21
74	Global expansion of the dayside magnetopause for longâ€duration radial IMF events: Statistical study on GOES observations. Journal of Geophysical Research: Space Physics, 2016, 121, 6480-6492.	2.4	20
75	Model of secondary emission and its application on the charging of gold dust grains. Physical Review B, 2006, 74, .	3.2	19
76	LUNAR SURFACE AND DUST GRAIN POTENTIALS DURING THE EARTHâ€™S MAGNETOSPHERE CROSSING. Astrophysical Journal, 2016, 825, 133.	4.5	19
77	Solar cycle variations of magnetopause locations. Advances in Space Research, 2016, 58, 240-248.	2.6	19
78	Shape of the equatorial magnetopause affected by the radial interplanetary magnetic field. Planetary and Space Science, 2017, 148, 28-34.	1.7	19
79	Spatial distribution of the magnetosheath ion flux. Advances in Space Research, 2002, 30, 2751-2756.	2.6	18
80	Multipoint study of magnetosheath magnetic field fluctuations and their relation to the foreshock. Journal of Geophysical Research, 2012, 117, .	3.3	18
81	On nonlinear cascades and resonances in the outer magnetosphere. JETP Letters, 2014, 99, 16-21.	1.4	18
82	Scale-dependent Polarization of Solar Wind Velocity Fluctuations at the Inertial and Kinetic Scales. Astrophysical Journal, 2019, 870, 40.	4.5	18
83	Correlation properties of magnetosheath magnetic field fluctuations. Journal of Geophysical Research, 2009, 114, .	3.3	17
84	Asymmetric magnetosphere deformation driven by hot flow anomaly(ies). Geophysical Research Letters, 2012, 39, .	4.0	17
85	Oneâ€Year Analysis of Dust Impactâ€Like Events Onto the MMS Spacecraft. Journal of Geophysical Research: Space Physics, 2019, 124, 8179-8190.	2.4	17
86	Turbulence Upstream and Downstream of Interplanetary Shocks. Frontiers in Physics, 2021, 8, .	2.1	17
87	Correlation length of magnetosheath fluctuations: Cluster statistics. Annales Geophysicae, 2008, 26, 2503-2513.	1.6	17
88	Statistical Study of Ion Flux Fluctuations in the Magnetosheath. European Physical Journal D, 2001, 51, 853-862.	0.4	16
89	Anomalous interaction of a plasma flow with the boundary layers of a geomagnetic trap. JETP Letters, 2011, 93, 754-762.	1.4	16
90	Upstream and downstream wave packets associated with lowâ€Mach number interplanetary shocks. Geophysical Research Letters, 2014, 41, 8100-8106.	4.0	16

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91	Comparison of properties of small-scale ion flux fluctuations in the flank magnetosheath and in the solar wind. Advances in Space Research, 2016, 58, 166-174.	2.6	16
92	Evolution of the magnetic field structure outside the magnetopause under radial IMF conditions. Journal of Geophysical Research: Space Physics, 2017, 122, 4051-4063.	2.4	16
93	Evolution of Proton and Alpha Particle Velocities through the Solar Cycle. Astrophysical Journal, 2017, 850, 164.	4.5	16
94	Artificial electron and ion beam effects: Active Plasma Experiment. Journal of Geophysical Research, 1997, 102, 2201-2211.	3.3	15
95	Ion field emission from micrometer-sized spherical glass grains. IEEE Transactions on Plasma Science, 2001, 29, 292-297.	1.3	15
96	Secondary Emission From Glass Grains: Comparison of the Model and Experiment. IEEE Transactions on Plasma Science, 2007, 35, 286-291.	1.3	15
97	Dust Charging in Spaceâ€related Laboratory Experiments: A Review Focused on Secondary Emission. Contributions To Plasma Physics, 2009, 49, 169-186.	1.1	15
98	Electrons scattered inside small dust grains of various materials. Physical Review B, 2010, 81, .	3.2	15
99	Automated interplanetary shock detection and its application to Wind observations. Journal of Geophysical Research: Space Physics, 2013, 118, 4793-4803.	2.4	15
100	STATISTICAL STUDY OF RECONNECTION EXHAUSTS IN THE SOLAR WIND. Astrophysical Journal, 2014, 796, 21.	4.5	15
101	Analysis of temperature versus density plots and their relation to the LLBL formation under southward and northward IMF orientations. Journal of Geophysical Research: Space Physics, 2015, 120, 3475-3488.	2.4	15
102	Decay of Solar Wind Turbulence behind Interplanetary Shocks. Astrophysical Journal, 2017, 844, 51.	4.5	15
103	Longâ€Term Variations in Solar Wind Parameters, Magnetopause Location, and Geomagnetic Activity Over the Last Five Solar Cycles. Journal of Geophysical Research: Space Physics, 2019, 124, 4049-4063.	2.4	15
104	Radial dependence of foreshock cavities: a case study. Annales Geophysicae, 2004, 22, 4143-4151.	1.6	14
105	Ion beam effects on dust grains. Vacuum, 2004, 76, 447-455.	3.5	14
106	A study of particle flows in hot flow anomalies. Planetary and Space Science, 2005, 53, 41-52.	1.7	14
107	Dayside magnetopause transients correlated with changes of the magnetosheath magnetic field orientation. Annales Geophysicae, 2011, 29, 687-699.	1.6	14
108	Evolution of the Î±-proton Differential Motion across Stream Interaction Regions. Astrophysical Journal, 2019, 873, 24.	4.5	14

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109	Magnetosheath study: INTERBALL observation. Advances in Space Research, 2000, 25, 1511-1516.	2.6	13
110	The structure of hot flow anomalies in the magnetosheath. Advances in Space Research, 2002, 30, 2737-2744.	2.6	13
111	The structure of magnetopause layers at low latitudes: Interball contributions. Geophysical Monograph Series, 2003, , 71-82.	0.1	13
112	A new approach to solar wind monitoring. Advances in Space Research, 2008, 41, 153-159.	2.6	13
113	The influence of secondary electron emission on the floating potential of tokamak-born dust. Plasma Physics and Controlled Fusion, 2014, 56, 025001.	2.1	13
114	Overview of APEX Project Results. Frontiers in Astronomy and Space Sciences, 2018, 5, .	2.8	13
115	Statistical Survey of the Terrestrial Bow Shock Observed by the Cluster Spacecraft. Journal of Geophysical Research: Space Physics, 2019, 124, 1539-1547.	2.4	13
116	Response of the electron energy distribution to an artificially emitted electron beam: Apex experiment. Advances in Space Research, 1995, 15, 33-36.	2.6	12
117	Transients at the dusk side magnetospheric boundary: Surface waves or isolated plasma blobs?. Journal of Geophysical Research, 2001, 106, 25503-25516.	3.3	12
118	Influence of Charging Conditions on Field Ion Emission From Dust Grains. IEEE Transactions on Plasma Science, 2007, 35, 292-296.	1.3	12
119	Influence of the tilt angle on the bow shock shape and location. Journal of Geophysical Research, 2008, 113, .	3.3	12
120	Observation of fast variations of the helium-ion abundance in the solar wind. Cosmic Research, 2014, 52, 25-36.	0.6	12
121	Variety of shapes of solar wind ion flux spectra: Spektr-R measurements. Journal of Plasma Physics, 2017, 83, .	2.1	12
122	The January 10-11, 1997 magnetic cloud: Multipoint measurements. Geophysical Research Letters, 1998, 25, 2549-2552.	4.0	11
123	The bow shock velocity from two-point measurements in frame of the interball project. Advances in Space Research, 2003, 31, 1377-1382.	2.6	11
124	Low-Frequency Plasma Waves in the Outer Polar CUSP: A Review of Observations from Prognoz 8, Interball 1, Magion 4, and Cluster. Surveys in Geophysics, 2005, 26, 177-191.	4.6	11
125	Interaction of interplanetary shocks with the bow shock. Planetary and Space Science, 2007, 55, 2324-2329.	1.7	11
126	Kelvin-Helmholtz wave at the subsolar magnetopause boundary layer under radial IMF. Journal of Geophysical Research: Space Physics, 2016, 121, 9863-9879.	2.4	11

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127	A method to predict magnetopause expansion in radial IMF events by MHD simulations. Journal of Geophysical Research: Space Physics, 2017, 122, 3110-3126.	2.4	11
128	A behaviour of electron and ion energy and angular distribution during the active APEX experiment. Advances in Space Research, 1993, 13, 113-116.	2.6	10
129	INTERBALL magnetotail boundary case studies. Advances in Space Research, 1997, 20, 999-1015.	2.6	10
130	MHD-modelling of the magnetosheath ion plasma flow and magnetic field and their comparison with experiments. Advances in Space Research, 2006, 37, 507-514.	2.6	10
131	SECONDARY EMISSION FROM NON-SPHERICAL DUST GRAINS WITH ROUGH SURFACES: APPLICATION TO LUNAR DUST. Astrophysical Journal, 2012, 761, 108.	4.5	10
132	Fine structure of the interplanetary shock front according to measurements of the ion flux of the solar wind with high time resolution. Cosmic Research, 2017, 55, 30-45.	0.6	10
133	Actively produced high-energy electron bursts within the magnetosphere: the APEX project. Annales Geophysicae, 2002, 20, 1529-1538.	1.6	10
134	Ion distribution function dynamics near the strong shock front (Project Intershock). Advances in Space Research, 1986, 6, 41-44.	2.6	9
135	Dynamics of the earth's bow shock position. Advances in Space Research, 1988, 8, 167-170.	2.6	9
136	Two point observation of magnetopause motion: The INTERBALL project. Advances in Space Research, 1997, 20, 801-807.	2.6	9
137	Relationship between high-energy particles and ion flux in the magnetosheath. Planetary and Space Science, 2005, 53, 103-115.	1.7	9
138	The Sputtering of Dust Grains: Aspects of Experimental Observations. IEEE Transactions on Plasma Science, 2007, 35, 297-302.	1.3	9
139	The far magnetotail response to an interplanetary shock arrival. Planetary and Space Science, 2014, 103, 228-237.	1.7	9
140	(Non)radial Solar Wind Propagation through the Heliosphere. Astrophysical Journal Letters, 2020, 897, L39.	8.3	9
141	Some features of solar wind protons, Î± particles and heavy ions behaviour: The Prognoz 7 and Prognoz 8 experimental results. European Physical Journal D, 1987, 37, 759-774.	0.4	8
142	Bow shock motion with two-point observations: Prognoz 7, 8 and ISEE 1, 2; Prognoz 10 and IMP 8. Advances in Space Research, 1988, 8, 171-174.	2.6	8
143	Bow shock observations by Prognozâ€"Prognoz 11 data: analysis and model comparison. Advances in Space Research, 2005, 36, 1958-1963.	2.6	8
144	Ion beam effects on dust grains: 2â€"Influence of charging history. Vacuum, 2006, 80, 542-547.	3.5	8

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145	Interplanetary shockâ€“bow shock interaction: Comparison of a global MHD model and observation. Planetary and Space Science, 2015, 115, 4-11.	1.7	8
146	Formation of the Dayside Magnetopause and Its Boundary Layers Under the Radial IMF. Journal of Geophysical Research: Space Physics, 2018, 123, 3533-3547.	2.4	8
147	Characteristics of Solar Wind Fluctuations at and below Ion Scales. Astrophysical Journal, 2019, 879, 82.	4.5	8
148	Project intershock: Complex analysis of the bow shock crossing on 7 May 1985. Advances in Space Research, 1986, 6, 45-48.	2.6	7
149	Medium energy proton fluxes outside the magnetopause: INTERBALL-1 data. Advances in Space Research, 2000, 25, 1517-1522.	2.6	7
150	Configuration of the outer cusp after an IMF rotation. Advances in Space Research, 2003, 31, 1395-1400.	2.6	7
151	Variations of the magnetosheath ion flux and geomagnetic activity. Advances in Space Research, 2005, 36, 2417-2422.	2.6	7
152	ROYâ€”A multiscale magnetospheric mission. Planetary and Space Science, 2011, 59, 606-617.	1.7	7
153	Possible observational evidence of contact discontinuities. Geophysical Research Letters, 2014, 41, 8228-8234.	4.0	7
154	Rapid variations of the value and direction of the solar wind ion flux. Cosmic Research, 2015, 53, 59-69.	0.6	7
155	Magnetosheath Propagation Time of Solar Wind Directional Discontinuities. Journal of Geophysical Research: Space Physics, 2018, 123, 3727-3741.	2.4	7
156	Solar Wind Proton Deceleration in Front of the Terrestrial Bow Shock. Journal of Geophysical Research: Space Physics, 2019, 124, 6553-6565.	2.4	7
157	Martian Bow Shock and Magnetic Pileup Boundary Models Based on an Automated Region Identification. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028509.	2.4	7
158	Bow Shock Position: Observations and Models. , 1999, , 187-201.		7
159	Spatial and temporal variations of the high-altitude cusp precipitation. Annales Geophysicae, 2004, 22, 2441-2450.	1.6	7
160	A Novel Method for Estimating the Intrinsic Magnetic Field Spectrum of Kinetic-Range Turbulence. Atmosphere, 2021, 12, 1547.	2.3	7
161	Measurement of the electron distribution function in flowing afterglow plasma by means of Langmuir probe. European Physical Journal D, 1983, 33, 1226-1229.	0.4	6
162	Two-point measurement of hot plasma structures in the magnetotail lobes. Advances in Space Research, 1997, 20, 993-997.	2.6	6

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163	Density profile in the magnetosheath adjacent to the magnetopause. Advances in Space Research, 2002, 30, 1693-1703.	2.6	6
164	Plasma flow across the cusp-magnetosheath boundary under northward IMF. Advances in Space Research, 2002, 30, 2787-2792.	2.6	6
165	Emissions From Nonconducting Negatively Charged Dust Grains. IEEE Transactions on Plasma Science, 2004, 32, 607-612.	1.3	6
166	Secondary emission from dust grains with a surface layer: comparison between experimental and model results. Advances in Space Research, 2006, 38, 2551-2557.	2.6	6
167	Influence of the foreshock of the Earthâ€™s bow shock on the interplanetary shock propagation during their mutual interaction. Earth, Planets and Space, 2009, 61, 607-610.	2.5	6
168	Modification of small- and middle-scale solar wind structures by the bow shock and magnetosheath: Correlation analysis. Planetary and Space Science, 2015, 115, 12-18.	1.7	6
169	Secondary Emission From Clusters Composed of Spherical Grains. IEEE Transactions on Plasma Science, 2016, 44, 505-511.	1.3	6
170	Long- and Short-Term Evolutions of Magnetic Field Fluctuations in High-Speed Streams. Solar Physics, 2020, 295, 1.	2.5	6
171	Field emission characteristics of gold dust grains. Advances in Space Research, 2008, 42, 129-135.	2.6	5
172	IMF control of the high-altitude cusp dynamics. Advances in Space Research, 2008, 41, 92-102.	2.6	5
173	CORRELATIONS OF PLASMA DENSITY AND MAGNETIC FIELD STRENGTH IN THE HELIOSHEATH. Astrophysical Journal Letters, 2010, 722, L228-L232.	8.3	5
174	Dust as a Gas Carrier. IEEE Transactions on Plasma Science, 2010, 38, 886-891.	1.3	5
175	Modeling the secondary emission yield of salty ice dust grains. Icarus, 2011, 212, 367-372.	2.5	5
176	Numerical Calculation of an Equilibrium Dust Grain Potential in Lunar Environment. IEEE Transactions on Plasma Science, 2013, 41, 740-744.	1.3	5
177	Proton Beam Abundance Variations and Their Relation to Alpha Particle Properties. Astrophysical Journal, 2021, 923, 170.	4.5	5
178	Acceleration of electrons at the quasi-perpendicular bow shock according to intershock data. Advances in Space Research, 1986, 6, 49-52.	2.6	4
179	The flank magnetopause: INTERBALL observations. Advances in Space Research, 2000, 25, 1503-1510.	2.6	4
180	Statistic study of magnetosphere response to magnetic clouds: INTERBALL multi-satellite observations. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2000, 25, 177-180.	0.2	4

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181	Problems of Dust Grains Charging to Negative Potentials. European Physical Journal D, 2003, 53, 151-162.	0.4	4
182	Impact of surface properties on the dust grain charging. Advances in Space Research, 2006, 38, 2558-2563.	2.6	4
183	Linear trap with three orthogonal quadrupole fields for dust charging experiments. Review of Scientific Instruments, 2012, 83, 115109.	1.3	4
184	Why does the total pressure on the subsolar magnetopause differ from the solar wind dynamic pressure?. Cosmic Research, 2013, 51, 37-45.	0.6	4
185	Investigations of Photoemission From Lunar Dust Simulant. IEEE Transactions on Plasma Science, 2016, 44, 512-518.	1.3	4
186	Spiky Structures around Reconnection Exhausts in the Solar Wind. Astrophysical Journal, 2017, 851, 86.	4.5	4
187	MF Microspheres: Helping or Puzzling Tool?. IEEE Transactions on Plasma Science, 2018, 46, 709-717.	1.3	4
188	Anisotropy of Magnetic Field and Velocity Fluctuations in the Solar Wind. Astrophysical Journal, 2021, 913, 80.	4.5	4
189	Plasma and Magnetic Field Variations in the Magnetosheath: Interball-1 and ISTP Spacecraft Observations. , 1999, , 277-294.		4
190	Dispersion of plasma parameters measured by a sonding satellite during a repeated transit through a bow shock wave. European Physical Journal D, 1985, 35, 568-578.	0.4	3
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