Bernd Heber

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7641134/publications.pdf

Version: 2024-02-01

180 papers	4,849 citations	94381 37 h-index	143943 57 g-index
203 all docs	203 docs citations	203 times ranked	2424 citing authors

#	Article	IF	Citations
1	Rigidity dependence of cosmic ray proton latitudinal gradients measured by the Ulysses spacecraft: Implications for the diffusion tensor. Journal of Geophysical Research, 2000, 105, 27447-27455.	3.3	247
2	The Alpha Magnetic Spectrometer (AMS) on the international space station: Part II â€”ÂResults from the first seven years. Physics Reports, 2021, 894, 1-116.	10.3	160
3	LONGITUDINAL AND RADIAL DEPENDENCE OF SOLAR ENERGETIC PARTICLE PEAK INTENSITIES:STEREO,ACE,SOHO,GOES, ANDMESSENGEROBSERVATIONS. Astrophysical Journal, 2013, 767, 41.	1.6	143
4	The Large Longitudinal Spread of Solar Energetic Particles During the 17 January 2010 Solar Event. Solar Physics, 2012, 281, 281.	1.0	113
5	Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies. Astronomy and Astrophysics, 2014, 567, A27.	2.1	109
6	The Energetic Particle Detector. Astronomy and Astrophysics, 2020, 642, A7.	2.1	107
7	Applications and usage of the real-time Neutron Monitor Database. Advances in Space Research, 2011, 47, 2210-2222.	1.2	105
8	Modulation of Jovian and galactic electrons in the heliosphere: 1. Latitudinal transport of a few MeV electrons. Journal of Geophysical Research, 2001, 106, 24979-24987.	3.3	93
9	Cosmic Ray and Solar Particle Investigations Over the South Polar Regions of the Sun. Science, 1995, 268, 1019-1023.	6.0	80
10	Cosmic Rays at High Heliolatitudes. Space Science Reviews, 2007, 127, 117-194.	3.7	79
11	MODULATION OF GALACTIC COSMIC RAY PROTONS AND ELECTRONS DURING AN UNUSUAL SOLAR MINIMUM. Astrophysical Journal, 2009, 699, 1956-1963.	1.6	79
12	The firstSEPServerevent catalogue ~68-MeV solar proton events observed at 1 AU in 1996â€“2010. Journal of Space Weather and Space Climate, 2013, 3, A12.	1.1	77
13	CIRCUMSOLAR ENERGETIC PARTICLE DISTRIBUTION ON 2011 NOVEMBER 3. Astrophysical Journal, 2015, 799, 55.	1.6	77
14	On the importance of the local interstellar spectrum for the solar modulation parameter. Journal of Geophysical Research, 2010, 115, .	3.3	74
15	Energetic Charged-Particle Phenomena in the Jovian Magnetosphere: First Results from the Ulysses COSPIN Collaboration. Science, 1992, 257, 1543-1550.	6.0	72
16	Ulysses COSPIN observations of cosmic rays and solar energetic particles from the South Pole to the North Pole of the Sun during solar maximum. Annales Geophysicae, 2003, 21, 1217-1228.	0.6	65
17	The modelling of the latitude dependence of cosmic ray protons and electrons in the inner heliosphere. Advances in Space Research, 1997, 19, 917-920.	1.2	61
18	Modeling the Evolution and Propagation of 10 September 2017 CMEs and SEPs Arriving at Mars Constrained by Remote Sensing and In Situ Measurement. Space Weather, 2018, 16, 1156-1169.	1.3	61

#	Article	IF	Citations
19	Properties of Neon, Magnesium, and Silicon Primary Cosmic Rays Results from the Alpha Magnetic Spectrometer. Physical Review Letters, 2020, 124, 211102.	2.9	58
20	Modulation of Jovian and galactic electrons in the heliosphere: 2. Radial transport of a few MeV electrons. Journal of Geophysical Research, 2001, 106, 29313-29321.	3.3	54
21	Wide longitudinal distribution of interplanetary electrons following the 7 February 2010 solar event: Observations and transport modeling. Journal of Geophysical Research: Space Physics, 2014, 119, 6074-6094.	0.8	53
22	Modulation of galactic cosmic rays during the unusual solar minimum between cycles 23 and 24. Journal of Geophysical Research: Space Physics, 2014, 119, 1493-1506.	0.8	52
23	Spatial variation of >106 Mev proton fluxes observed during the Ulysses rapid latitude scan: Ulysses COSPIN/KET results. Geophysical Research Letters, 1996, 23, 1513-1516.	1.5	51
24	Latitudinal and radial gradients of galactic cosmic ray protons in the inner heliosphere â€“ PAMELA and Ulysses observations. Astrophysics and Space Sciences Transactions, 2011, 7, 425-434.	1.0	50
25	The new local interstellar spectra and their influence on the production rates of the cosmogenic radionuclides ¹⁰Be and ¹⁴C. Journal of Geophysical Research: Space Physics, 2017, 122, 23-34.	0.8	47
26	Modelling cosmic ray intensities along the Ulysses trajectory. Annales Geophysicae, 2005, 23, 1061-1070.	0.6	46
27	A dense network of cosmic-ray neutron sensors for soil moisture observation in a highly instrumented pre-Alpine headwater catchment in Germany. Earth System Science Data, 2020, 12, 2289-2309.	3.7	44
28	MODELING THE VARIATIONS OF DOSE RATE MEASURED BY RAD DURING THE FIRSTMSLMARTIAN YEAR: 2012â€“2014. Astrophysical Journal, 2015, 810, 24.	1.6	43
29	Differences in the temporal variations of galactic cosmic ray electrons and protons: Implications from Ulysses at solar minimum. Geophysical Research Letters, 1999, 26, 2133-2136.	1.5	42
30	Characteristics of Low-latitude Coronal Holes near the Maximum of Solar Cycle 24. Astrophysical Journal, 2017, 835, 268.	1.6	42
31	An Empirical Modification of the Force Field Approach to Describe the Modulation of Galactic Cosmic Rays Close to Earth in a Broad Range of Rigidities. Journal of Geophysical Research: Space Physics, 2017, 122, 10,964.	0.8	40
32	Corotating interaction regions. Advances in Space Research, 1999, 23, 567-579.	1.2	39
33	Influence of the terrestrial magnetic field geometry on the cutoff rigidity of cosmic ray particles. Annales Geophysicae, 2013, 31, 1637-1643.	0.6	39
34	An Analytical Diffusionâ€“Expansion Model for Forbush Decreases Caused by Flux Ropes. Astrophysical Journal, 2018, 860, 71.	1.6	39
35	A comparative study of cosmic ray radial and latitudinal gradients in the inner and outer heliosphere. Journal of Geophysical Research, 1997, 102, 4643-4651.	3.3	38
36	Ulysses Cosmic Ray and Solar Particle Investigation/Kiel Electron Telescope observations: Charge sign dependence and spatial gradients during the 1990â€“2000A> 0 solar magnetic cycle. Journal of Geophysical Research, 2002, 107, SSH 2-1.	3.3	38

#	Article	IF	Citations
37	Efficiency of particle acceleration at interplanetary shocks: Statistical study of STEREO observations. Astronomy and Astrophysics, 2016, 588, A17.	2.1	38
38	Delay in solar energetic particle onsets at high heliographic latitudes. Annales Geophysicae, 2003, 21, 1367-1375.	0.6	37
39	Catalogue of 55â€“80ÂMeV solar proton events extending through solar cycles 23 and 24. Journal of Space Weather and Space Climate, 2017, 7, A14.	1.1	36
40	The first widespread solar energetic particle event observed by Solar Orbiter on 2020 November 29. Astronomy and Astrophysics, 2021, 656, A20.	2.1	36
41	Solar and Heliospheric Modulation of Galactic Cosmic Rays. Space Science Reviews, 2007, 125, 81-93.	3.7	35
42	Variations of dose rate observed by MSL/RAD in transit to Mars. Astronomy and Astrophysics, 2015, 577, A58.	2.1	35
43	Heliopause Explorerâ€”a sailcraft mission to the outer boundaries of the solar system. Acta Astronautica, 2006, 59, 785-796.	1.7	33
44	Amplitude evolution and rigidity dependence of the 26-day recurrent cosmic ray decreases: COSPIN/KET results. Journal of Geophysical Research, 1999, 104, 28241-28247.	3.3	32
45	An ICME observed by Voyager 2 at 58 AU and by Ulysses at 5 AU. Geophysical Research Letters, 2001, 28, 2755-2758.	1.5	32
46	Spatial gradients of GCR protons in the inner heliosphere derived fromUlyssesCOSPIN/KET and PAMELA measurements. Astronomy and Astrophysics, 2016, 589, A32.	2.1	31
47	Observations of recurrent cosmic ray decreases during solar cycles 22 and 23. Annales Geophysicae, 2008, 26, 3127-3138.	0.6	30
48	ENERGETIC PARTICLE OBSERVATIONS AND PROPAGATION IN THE THREE-DIMENSIONAL HELIOSPHERE DURING THE 2006 DECEMBER EVENTS. Astrophysical Journal, 2009, 704, 469-476.	1.6	30
49	COSMIC RAY TRANSPORT IN HELIOSPHERIC MAGNETIC STRUCTURES. I. MODELING BACKGROUND SOLAR WIND USING THE CRONOS MAGNETOHYDRODYNAMIC CODE. Astrophysical Journal, 2014, 788, 80.	1.6	30
50	Solar Energetic Particle Events with Protons Above 500 MeV Between 1995 and 2015 Measured with SOHO/EPHIN. Solar Physics, 2017, 292, 1.	1.0	30
51	The Atmospheric Radiation Interaction Simulator (AtRIS): Description and Validation. Journal of Geophysical Research: Space Physics, 2019, 124, 50-67.	0.8	30
52	Charge-sign dependent modulation in the heliosphere over a 22-year cycle. Annales Geophysicae, 2003, 21, 1359-1366.	0.6	30
53	The Dependence of the Peak Velocity of Highâ€Speed Solar Wind Streams as Measured in the Ecliptic by ACE and the STEREO satellites on the Area and Coâ€latitude of Their Solar Source Coronal Holes. Journal of Geophysical Research: Space Physics, 2018, 123, 1738-1753.	0.8	29
54	First year of energetic particle measurements in the inner heliosphere with Solar Orbiterâ€™s Energetic Particle Detector. Astronomy and Astrophysics, 2021, 656, A22.	2.1	29

#	Article	IF	Citations
55	High energy cosmic-ray nuclei results on Ulysses: 2. Effects of a recurrent high-speed stream from the southern polar coronal hole. Space Science Reviews, 1995, 72, 397-402.	3.7	28
56	Cosmic Rays Through the Solar Hale Cycle. Space Science Reviews, 2013, 176, 265-278.	3.7	28
57	Release timescales of solar energetic particles in the low corona. Astronomy and Astrophysics, 2014, 570, A5.	2.1	28
58	Galactic cosmic ray observations at different heliospheric latitudes. Advances in Space Research, 2000, 26, 839-852.	1.2	27
59	The heliospheric modulation of 3â€“10 MeV electrons: Modeling of changes in the solar wind speed in relation to perpendicular polar diffusion. Advances in Space Research, 2005, 35, 597-604.	1.2	27
60	Spatial and temporal variations of CIRs: Multi-point observations by STEREO. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 551-565.	0.6	27
61	Annual Cosmic Ray Spectra from 250 MeV up to 1.6 GeV from 1995â€‰â€“â€‰2014 Measured with the Electron Proton Helium Instrument onboard SOHO. Solar Physics, 2016, 291, 965-974.	1.0	27
62	Periodicities in the Daily Proton Fluxes from 2011 to 2019 Measured by the Alpha Magnetic Spectrometer on the International Space Station from 1 to 100ÂGV. Physical Review Letters, 2021, 127, 271102.	2.9	27
63	POSSIBLE EVIDENCE FOR A FISK-TYPE HELIOSPHERIC MAGNETIC FIELD. I. ANALYZINGULYSSES/KET ELECTRON OBSERVATIONS. Astrophysical Journal, 2011, 741, 23.	1.6	26
64	Subsurface Radiation Environment of Mars and Its Implication for Shielding Protection of Future Habitats. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006246.	1.5	26
65	Energetic particles in the atmosphere: A Monte-carlo simulation. Advances in Space Research, 2006, 37, 1597-1601.	1.2	25
66	Proton intensity spectra during the solar energetic particle events of May 17, 2012 and January 6, 2014. Astronomy and Astrophysics, 2015, 576, A120.	2.1	25
67	Implementation and validation of the GEANT4/AtRIS code to model the radiation environment at Mars. Journal of Space Weather and Space Climate, 2019, 9, A2.	1.1	25
68	3â€“20 MeV Electrons in the Inner Threeâ€dimensional Heliosphere at Solar Maximum:UlyssesCOSPIN/KET Observations. Astrophysical Journal, 2002, 579, 888-894.	1.6	24
69	Long-lasting injection of solar energetic electrons into the heliosphere. Astronomy and Astrophysics, 2018, 613, A21.	2.1	24
70	Multi-point galactic cosmic ray measurements between 1 and 4.5â€‰AU over a full solar cycle. Annales Geophysicae, 2019, 37, 903-918.	0.6	24
71	THE LOCAL INTERSTELLAR SPECTRUM BEYOND THE HELIOPAUSE: WHAT CAN BE LEARNED FROMVOYAGERIN THE INNER HELIOSHEATH?. Astrophysical Journal, 2012, 761, 17.	1.6	24
72	Global Processes that Determine Cosmic Ray Modulation. Space Science Reviews, 1998, 83, 179-214.	3.7	23

#	Article	IF	Citations
73	Cosmic Ray Modulation over the Poles at Solar Maximum: Observations. Space Science Reviews, 2001, 97, 309-319.	3.7	23
74	The ground level event 70 on December 13th, 2006 and related effective doses at aviation altitudes. Radiation Protection Dosimetry, 2009, 136, 304-310.	0.4	23
75	A new model suite to determine the influence of cosmic rays on (exo)planetary atmospheric biosignatures. Astronomy and Astrophysics, 2019, 631, A101.	2.1	23
76	From solar to stellar flare characteristics. Astronomy and Astrophysics, 2019, 621, A67.	2.1	23
77	Modulation of Cosmic Rays and Anomalous Components by CIRs. Space Science Reviews, 1999, 89, 307-326.	3.7	22
78	Latitudinal Gradients of Galactic Cosmic Rays during the 2007 Solar Minimum. Astrophysical Journal, 2008, 689, 1443-1447.	1.6	22
79	Corotating Interaction Regions at High Latitudes. Space Science Reviews, 1999, 89, 221-268.	3.7	21
80	Modulation of galactic and anomalous cosmic rays in the inner heliosphere. Advances in Space Research, 2001, 27, 451-460.	1.2	21
81	Particle drift effects on cosmic ray modulation during solar maximum. Advances in Space Research, 2003, 32, 645-650.	1.2	21
82	Proxima Centauri b: A Strong Case for Including Cosmic-Ray-induced Chemistry in Atmospheric Biosignature Studies. Astrophysical Journal, 2020, 893, 12.	1.6	21
83	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 33.	3.0	21
84	EUropean Heliospheric FORecasting Information Asset 2.0. Journal of Space Weather and Space Climate, 2020, 10, 57.	1.1	21
85	Corotating Particle Events. Space Science Reviews, 1998, 83, 215-258.	3.7	20
86	Solar Wind Effects on the Transport of 3â€“10 MeV Cosmicâ€Ray Electrons from Solar Minimum to Solar Maximum. Astrophysical Journal, 2003, 594, 552-560.	1.6	20
87	The Hohmannâ€“Parker effect measured by the Mars Science Laboratory on the transfer from Earth to Mars: Consequences and opportunities. Planetary and Space Science, 2013, 89, 127-139.	0.9	20
88	Solar energetic particles in the intermediate region of the heliosphere. Advances in Space Research, 1993, 13, 85-93.	1.2	19
89	Solar modulation of galactic cosmic rays: The 3D heliosphere. Advances in Space Research, 1997, 19, 795-804.	1.2	19
90	Latitudinal distribution of >106 MeV protons and its relation to the ambient solar wind in the inner southern and northern heliosphere: Ulysses Cosmic and Solar Particle Investigation Kiel Electron Telescope Results. Journal of Geophysical Research, 1998, 103, 4809-4816.	3.3	19

#	Article	IF	Citations
91	Long-Term Modulation of Cosmic Rays in the Heliosphere and its Influence at Earth. Solar Physics, 2004, 224, 305-316.	1.0	19
92	Jovian electrons in the inner heliosphere. Astronomy and Astrophysics, 2018, 613, A28.	2.1	19
93	Statistical Results for Solar Energetic Electron Spectra Observed over 12 yr with STEREO/SEPT. Astrophysical Journal, 2020, 889, 143.	1.6	19
94	Solar energetic and shockâ€accelerated particles observed between 1 and 4 AU by the Kiel Electron Telescope (KET) on board Ulysses. Geophysical Research Letters, 1992, 19, 1279-1282.	1.5	18
95	ICMEs at High Latitudes and in the Outer Heliosphere. Space Science Reviews, 2006, 123, 417-451.	3.7	18
96	Ulysses observations of Jovian relativistic electrons in the interplanetary space near Jupiter: Determination of perpendicular particle transport coefficients and their energy dependence. Planetary and Space Science, 2007, 55, 12-20.	0.9	18
97	Cosmic ray flux at the Earth in a variable heliosphere. Advances in Space Research, 2008, 41, 1171-1176.	1.2	18
98	Cosmic-Ray Transport in Heliospheric Magnetic Structures. II. Modeling Particle Transport through Corotating Interaction Regions. Astrophysical Journal, 2017, 837, 37.	1.6	18
99	Evolution of Coronal Mass Ejections and the Corresponding Forbush Decreases: Modeling vs. Multi-Spacecraft Observations. Solar Physics, 2020, 295, 1.	1.0	18
100	Interplanetary Protons versus Interacting Protons in the 2017 September 10 Solar Eruptive Event. Astrophysical Journal, 2020, 890, 13.	1.6	18
101	Using Forbush Decreases to Derive the Transit Time of ICMEs Propagating from 1 AU to Mars. Journal of Geophysical Research: Space Physics, 2018, 123, 39-56.	0.8	17
102	Modulation of Galactic Cosmic Rays at Solar Minimum. Space Science Reviews, 1999, 89, 125-138.	3.7	16
103	Matroshka DOSTEL measurements onboard the International Space Station (ISS). Journal of Space Weather and Space Climate, 2015, 5, A38.	1.1	16
104	First near-relativistic solar electron events observed by EPD onboard Solar Orbiter. Astronomy and Astrophysics, 2021, 656, L3.	2.1	16
105	Scientific Analysis within SEPServer â€“ New Perspectives in Solar Energetic Particle Research: The Case Study of the 13 July 2005 Event. Solar Physics, 2012, 281, 333.	1.0	15
106	Global ionospheric flare detection system (GIFDS). Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 138-139, 233-242.	0.6	15
107	A Catalogue of Forbush Decreases Recorded on the Surface of Mars from 2012 Until 2016: Comparison with Terrestrial FDs. Solar Physics, 2019, 294, 1.	1.0	15
108	A Multiâ€Purpose Heliophysics L4 Mission. Space Weather, 2021, 19, e2021SW002777.	1.3	15

#	Article	IF	Citations
109	The mini-neutron monitor: a new approach in neutron monitor design. Journal of Space Weather and Space Climate, 2020, 10, 39.	1.1	15
110	First results of a new 3-D model of the time-dependent modulation of electrons in the heliosphere. Advances in Space Research, 2003, 32, 681-686.	1.2	14
111	A high energy telescope for the Solar Orbiter. Advances in Space Research, 2005, 36, 1426-1431.	1.2	14
112	Energetic particle observations from the Ulysses COSPIN instruments obtained during the October-November 2003 events. Journal of Geophysical Research, 2005, 110, .	3.3	14
113	Energetic-particle-flux decreases related to magnetic cloud passages as observed by the Helios 1 and 2 spacecraft. Astronomy and Astrophysics, 2013, 556, A146.	2.1	14
114	An overview of Jovian electrons during the distant Ulysses Jupiter flyby. Planetary and Space Science, 2007, 55, 1-11.	0.9	13
115	STEREO/SEPT observations of upstream particle events: almost monoenergetic ion beams. Annales Geophysicae, 2009, 27, 2077-2085.	0.6	12
116	SEPServer catalogues of solar energetic particle events at 1 AU based on STEREO recordings: 2007â€“2012. Astronomy and Astrophysics, 2014, 569, A96.	2.1	12
117	Strong non-radial propagation of energetic electrons in solar corona. Astronomy and Astrophysics, 2018, 614, A61.	2.1	12
118	Galactic Cosmic Ray induced absorbed dose rate in deep space â€“ Accounting for detector size, shape, material, as well as for the solar modulation. Journal of Space Weather and Space Climate, 2019, 9, A14.	1.1	12
119	Latitudinal and radial variation of >2 GeV/n protons and alpha-particles at solar maximum: ULYSSES COSPIN/KET and neutron monitor network observations. Annales Geophysicae, 2003, 21, 1295-1302.	0.6	11
120	The Ulysses fast latitude scans: COSPIN/KET results. Annales Geophysicae, 2003, 21, 1275-1288.	0.6	11
121	Latitudinal transport effects on the modulation of a few-MeV cosmic ray electrons from solar minimum to solar maximum. Journal of Geophysical Research, 2004, 109, .	3.3	11
122	Revising More Than 20 Years of EPHIN Ion Flux Dataâ€”A New Data Product for Space Weather Applications. Space Weather, 2019, 17, 84-98.	1.3	11
123	First Solar Energetic Particles Measured on the Lunar Far-side. Astrophysical Journal Letters, 2020, 902, L30.	3.0	11
124	Galactic Cosmic Rays Throughout the Heliosphere and in the Very Local Interstellar Medium. Space Science Reviews, 2022, 218, .	3.7	11
125	Implications of the heliospheric modulation of cosmic ray electrons observed by Ulysses. Advances in Space Research, 1999, 23, 467-470.	1.2	10
126	Propagation of 3â€“10 MeV electrons in the inner heliosphere: Ulysses observations. Advances in Space Research, 2001, 27, 547-552.	1.2	10

#	Article	IF	Citations
127	Time variations of cosmic ray electrons and nuclei between 1978 and 2004: Evidence for charge-dependent modulation organized by changes in solar magnetic polarity and current sheet tilt. Journal of Geophysical Research, 2005, 110, .	3.3	10
128	On the definition and calculation of a generalised McIlwain parameter. Astrophysics and Space Sciences Transactions, 2010, 6, 9-17.	1.0	10
129	Latitudinal and radial variation of >2 GeV/n protons and Î±-particles in the northern heliosphere: Ulysses COSPIN/KET and neutron monitor network observations. Advances in Space Research, 1999, 23, 443-447.	1.2	9
130	Transport of a few-MEV jovian and galactic electrons at solar maximum. Advances in Space Research, 2003, 32, 669-674.	1.2	9
131	On the determination of energy spectra of MeV electrons by the Ulysses COSPIN/KET. Advances in Space Research, 2005, 35, 605-610.	1.2	9
132	Multi-spacecraft Observations of CIR-Associated Ion Increases During the Ulysses 2007 Ecliptic Crossing. Solar Physics, 2009, 256, 409-425.	1.0	9
133	Field calibration of dosemeters used for routine measurements at flight altitudes. Radiation Protection Dosimetry, 2010, 140, 319-325.	0.4	9
134	Earth-Affecting Solar Causes Observatory (EASCO): a mission at the Sun-Earth L5. Proceedings of SPIE, 2011, , .	0.8	9
135	Sunward-propagating Solar Energetic Electrons inside Multiple Interplanetary Flux Ropes. Astrophysical Journal, 2017, 840, 85.	1.6	9
136	On the Rigidity Spectrum of Cosmic-Ray Variations within Propagating Interplanetary Disturbances: Neutron Monitor and SOHO/EPHIN Observations at âˆ¼1â€“10 GV. Astrophysical Journal, 2021, 908, 5.	1.6	9
137	High energy cosmic ray nuclei results on Ulysses: 1. Mission overview. Space Science Reviews, 1995, 72, 391-396.	3.7	8
138	Modulation of galactic cosmic ray particles observed on board the ULYSSES spacecraft. Advances in Space Research, 1995, 16, 205-208.	1.2	8
139	Propagation of Jovian electron jets in heliospheric flux tube structures. Journal of Geophysical Research, 2010, 115, .	3.3	8
140	Onâ€theâ€Fly Calculation of Absorbed and Equivalent Atmospheric Radiation Dose in A Water Phantom with the Atmospheric Radiation Interaction Simulator (AtRIS). Journal of Geophysical Research: Space Physics, 2019, 124, 9774-9790.	0.8	8
141	The residence-time of Jovian electrons in the inner heliosphere. Astronomy and Astrophysics, 2020, 642, A170.	2.1	8
142	Generic profile of a long-lived corotating interaction region and associated recurrent Forbush decrease. Astronomy and Astrophysics, 2022, 658, A187.	2.1	8
143	COSTEP/SOHO observations of energetic electrons far upstream of the Earth's bow-shock. Annales Geophysicae, 2008, 26, 905-912.	0.6	7
144	Energy spectra of carbon and oxygen with HELIOS E6. Astronomy and Astrophysics, 2018, 610, A42.	2.1	7

#	Article	IF	Citations
145	Interpretation of increased energetic particle flux measurements by SEPT aboard the STEREO spacecraft and contamination. Astronomy and Astrophysics, 2018, 611, A100.	2.1	7
146	Ulysses observations of short-period (â‰30 Days) modulation of the galactic cosmic rays. Geophysical Research Letters, 1997, 24, 671-674.	1.5	6
147	Quiet time MEV electron increases at solar maximum: Ulysses cospin/ket observations. Advances in Space Research, 2003, 32, 663-668.	1.2	6
148	Injection and propagation of solar protons to high heliospheric latitudes: Ulysses Ket observations. Advances in Space Research, 2006, 38, 507-515.	1.2	6
149	Mini neutron monitor measurements at the Neumayer III station and on the German research vessel Polarstern. Journal of Physics: Conference Series, 2015, 632, 012057.	0.3	6
150	The Science with the Interstellar Heliopause Probe. Astrophysics and Space Sciences Transactions, 2006, 2, 33-43.	1.0	6
151	Energetic particle signatures of a corotating interaction region from a high latitude coronal hole: SOHO, wind and Ulysses observations. Advances in Space Research, 2000, 26, 865-870.	1.2	5
152	Remote sensing of solar activity by energetic charged and neutral particles with Solar Orbiter. Advances in Space Research, 2005, 36, 1387-1398.	1.2	5
153	The Electron Proton Helium INstrument as an example for a Space Weather Radiation Instrument. Journal of Space Weather and Space Climate, 2020, 10, 53.	1.1	5
154	Numerical and experimental evidence for a new interpretation of residence times in space. Astronomy and Astrophysics, 2022, 657, A39.	2.1	5
155	Galactic and anomalous cosmic rays through the solar cycle: New insights from Ulysses. , 2008, , 195-249.		5
156	ULYSSES observations of energetic particle acceleration and the superposed CME and CIR events of November 1992. Annales Geophysicae, 1996, 14, 400-410.	0.6	4
157	A study of the compatibility between observations and model simulations for Jovian and galactic electrons. Advances in Space Research, 2001, 27, 553-558.	1.2	4
158	ENERGETIC PARTICLES IN THE HELIOSPHERE. International Journal of Modern Physics A, 2005, 20, 6621-6632.	0.5	4
159	Solar Activity, the Heliosphere, Cosmic Rays and Their Impact on the Earthâ€™s Atmosphere. Springer Atmospheric Sciences, 2013, , 55-78.	0.4	4
160	On the Interaction of Galactic Cosmic Rays with Heliospheric Shocks During Forbush Decreases. Solar Physics, 2020, 295, 1.	1.0	4
161	A new model describing Forbush Decreases at Mars: combining the heliospheric modulation and the atmospheric influence. Earth and Planetary Physics, 2020, 4, 1-11.	0.4	4
162	Cosmic-Ray Transport in Heliospheric Magnetic Structures. III. Implications of Solar Magnetograms for the Drifts of Cosmic Rays. Astrophysical Journal, 2021, 922, 124.	1.6	4

#	Article	IF	Citations
163	Modulation cosmic rays in the GV range by a recurrent high speed stream in the southern polar coronal hole. Advances in Space Research, 1995, 16, 351.	1.2	3
164	Localized â€œJetsâ€•of Jovian electrons observed during Ulyssesâ€™ distant Jupiter flyby in 2003â€“2004. Planetary and Space Science, 2007, 55, 21-31.	0.9	3
165	Energetic Particles Measured in and out of the Ecliptic Plane During the Last Gnevyshev Gap. Solar Physics, 2012, 281, 491.	1.0	3
166	Approaching Solar Maximum 24 with STEREOâ€”Multipoint Observations of Solar Energetic Particle Events. Brazilian Journal of Physics, 2014, 44, 504-511.	0.7	3
167	Analytic modeling of recurrent Forbush decreases caused by corotating interaction regions. Astronomy and Astrophysics, 2022, 658, A186.	2.1	3
168	Variations of the high energy electron flux along the Ulysses trajectory. Space Science Reviews, 1995, 72, 409-414.	3.7	2
169	Studies of the cosmic ray radial and latitudinal intensity gradients over the cycle 22 solar minimum period. Advances in Space Research, 1999, 23, 453-458.	1.2	2
170	Latitudinal gradients and charge sign dependent modulation of galactic cosmic rays. COSPAR Colloquia Series, 2001, 11, 191-194.	0.2	2
171	Title is missing!. Space Science Reviews, 2001, 97, 349-354.	3.7	2
172	10Be Production in the Atmosphere by Galactic Cosmic Rays. Space Science Reviews, 2013, 176, 333-342.	3.7	2
173	Modulation recovery of high energy electrons: Ulysses observations. Advances in Space Research, 1995, 16, 255-260.	1.2	1
174	The Evolution of the Anomalous Cosmic Ray Oxygen Spectra From 1995 to 1998: Ulysses Observations. Space Science Reviews, 2001, 97, 363-366.	3.7	1
175	The Solar Electron and Proton Telescope Aboard STEREO â€“ Understanding Proton Spectra. Solar Physics, 2018, 293, 1.	1.0	1
176	Cosmic Rays Through the Solar Hale Cycle. Space Sciences Series of ISSI, 2011, , 265-278.	0.0	1
177	Open Issues in Heliospheric Physics. Earth, Moon and Planets, 2009, 104, 3-9.	0.3	0
178	Ulysses observations of Jupiter's 10â€‰h modulation in interplanetary space in 2004. Journal of Geophysical Research: Space Physics, 2013, 118, 4021-4032.	0.8	0
179	Comparative time-series analysis of MeV electron data by Ulysses and Pioneer 10/11 in the Jovian magnetosphere. Annales Geophysicae, 2013, 31, 1721-1730.	0.6	0
180	Yield Function of the DOSimetry TELescope Count and Dose Rates Aboard the International Space Station. Space Weather, 2021, 19, e2020SW002510.	1.3	0