

Radoslav Bucik

List of Publications by Year in descending order

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49
papers

857
citations

516710

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501196

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57
all docs

57
docs citations

57
times ranked

983
citing authors

#	ARTICLE	IF	CITATIONS
1	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020, 642, A3.	5.1	67
2	MULTI-SPACECRAFT OBSERVATIONS OF RECURRENT ³ He-RICH SOLAR ENERGETIC PARTICLES. <i>Astrophysical Journal</i> , 2014, 786, 71.	4.5	50
3	On transmissivity of low energy cosmic rays in disturbed magnetosphere. <i>Advances in Space Research</i> , 2008, 42, 1300-1306.	2.6	47
4	THE SOURCE REGIONS OF SOLAR ENERGETIC PARTICLES DETECTED BY WIDELY SEPARATED SPACECRAFT. <i>Astrophysical Journal</i> , 2013, 779, 184.	4.5	47
5	Observations of solar X-ray and EUV jets and their related phenomena. <i>Astronomische Nachrichten</i> , 2016, 337, 1024-1032.	1.2	46
6	³ He-rich Solar Energetic Particles in Helical Jets on the Sun. <i>Astrophysical Journal</i> , 2018, 852, 76.	4.5	46
7	³ He-Rich Solar Energetic Particles: Solar Sources. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	39
8	Case studies of multi-day ³ He-rich solar energetic particle periods. <i>Astronomy and Astrophysics</i> , 2015, 580, A16.	5.1	37
9	In situ Observations of CIRs on STEREO, Wind, and ACE During 2007-2008. <i>Solar Physics</i> , 2009, 256, 393-408.	2.5	36
10	The first widespread solar energetic particle event observed by Solar Orbiter on 2020 November 29. <i>Astronomy and Astrophysics</i> , 2021, 656, A20.	5.1	36
11	³ He-rich Solar Energetic Particles from Sunspot Jets. <i>Astrophysical Journal Letters</i> , 2018, 869, L21.	8.3	35
12	STUDY OF SOLAR ENERGETIC PARTICLE ASSOCIATIONS WITH CORONAL EXTREME-ULTRAVIOLET WAVES. <i>Astrophysical Journal</i> , 2015, 808, 3.	4.5	31
13	Solar Energetic Particles (SEP) and Galactic Cosmic Rays (GCR) as tracers of solar wind conditions near Saturn: Event lists and applications. <i>Icarus</i> , 2018, 300, 47-71.	2.5	31
14	Long-lived energetic particle source regions on the Sun. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012002.	0.4	28
15	³ He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 42.	7.7	27
16	On the origin of the energetic ion events measured upstream of the Earth's bow shock by STEREO, Cluster, and Geotail. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	26
17	³ He-rich solar energetic particle events observed on the first perihelion pass of Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, L1.	5.1	18
18	On acceleration of ~ 1 MeV/n He ions in the corotating compression regions near 1 AU: STEREO observations. <i>Annales Geophysicae</i> , 2009, 27, 3677-3690.	1.6	16

#	ARTICLE	IF	CITATIONS
19	First near-relativistic solar electron events observed by EPD onboard Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, L3.	5.1	16
20	Temperature in Solar Sources of ³ He-rich Solar Energetic Particles and Relation to Ion Abundances. <i>Astrophysical Journal</i> , 2021, 908, 243.	4.5	15
21	Moderate geomagnetic storm (21–22 January 2005) triggered by an outstanding coronal mass ejection viewed via energetic neutral atoms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	14
22	ASSOCIATION OF ³ He-RICH SOLAR ENERGETIC PARTICLES WITH LARGE-SCALE CORONAL WAVES. <i>Astrophysical Journal</i> , 2016, 833, 63.	4.5	14
23	The long period of ³ He-rich solar energetic particles measured by Solar Orbiter 2020 November 17–23. <i>Astronomy and Astrophysics</i> , 2021, 656, L11.	5.1	12
24	Ionospheric plasma response to the seismic activity. <i>Physics and Chemistry of the Earth</i> , 2006, 31, 473-481.	2.9	11
25	STEREO Observations of Energetic Ions in Corotating Interaction Regions During the May 2007 Solar Events. <i>Solar Physics</i> , 2009, 259, 361-380.	2.5	11
26	Solar Energetic Electron Events Associated with Hard X-Ray Flares. <i>Astrophysical Journal</i> , 2021, 913, 89.	4.5	11
27	Solar wind control of the terrestrial magnetotail as seen by STEREO. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6342-6355.	2.4	10
28	Sunward-propagating Solar Energetic Electrons inside Multiple Interplanetary Flux Ropes. <i>Astrophysical Journal</i> , 2017, 840, 85.	4.5	9
29	Multiple spacecraft study of an extended magnetic structure in the solar wind. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	8
30	OBSERVATIONS OF EUV WAVES IN ³ He-RICH SOLAR ENERGETIC PARTICLE EVENTS. <i>Astrophysical Journal</i> , 2015, 812, 53.	4.5	8
31	Satellite observations of lightning-induced hard X-ray flux enhancements in the conjugate region. <i>Annales Geophysicae</i> , 2006, 24, 1969-1976.	1.6	7
32	STEREO observations of the energetic ions in tilted corotating interaction regions. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	7
33	Interpretation of increased energetic particle flux measurements by SEPT aboard the STEREO spacecraft and contamination. <i>Astronomy and Astrophysics</i> , 2018, 611, A100.	5.1	7
34	Effects of the April 1994 Forbush events on the fluxes of the energetic charged particles measured on board CORONAS-I: their connection with conditions in the interplanetary medium. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 535-539.	1.6	5
35	Abundances of Suprathermal Heavy Ions in CIRs During the Minimum of Solar Cycle 23. <i>Solar Physics</i> , 2012, 281, 411.	2.5	5
36	Review of electron fluxes within the local drift loss cone: Measurements on CORONAS-I. <i>Advances in Space Research</i> , 2005, 36, 1979-1983.	2.6	4

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37	Changes of geomagnetic transmissivity in the disturbed magnetosphere: ground-based and CORONAS-F observations. <i>European Physical Journal D</i> , 2006, 56, 629-639.	0.4	4
38	Spatial distribution of low energy gamma-rays associated with trapped particles. <i>Advances in Space Research</i> , 2002, 30, 2843-2848.	2.6	2
39	Energy spectra of ³ He-rich solar energetic particles associated with coronal waves. <i>Journal of Physics: Conference Series</i> , 2016, 767, 012002.	0.4	2
40	Impulsive Solar Energetic Particle Events: Extreme-Ultraviolet Waves and Jets. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 8, .	2.8	2
41	Preferential Acceleration of Heavy Ions in a Spontaneously Fragmenting Flare Current Sheet. <i>Astrophysical Journal</i> , 2022, 927, 177.	4.5	2
42	Gamma rays in <i>L</i> -B coordinates at CORONAS-I altitude. <i>Annales Geophysicae</i> , 2005, 23, 2239-2247.	1.6	1
43	Observations of the longitudinal spread of solar energetic particle events in solar cycle 24. <i>AIP Conference Proceedings</i> , 2012, , .	0.4	1
44	[sup 3]He-rich SEP events observed by STEREO-A. , 2013, , .		1
45	Temperature of Source Regions of 3He-Rich Impulsive Solar Energetic Particle Events. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 14-16.	0.0	1
46	Spectroscopic EUV observations of impulsive solar energetic particle event sources. <i>Astronomy and Astrophysics</i> , 2018, 617, A40.	5.1	1
47	Dynamics of the Earth Radiation Belts During the Strong Magnetic Storms. <i>Astrophysics and Space Science Library</i> , 2014, , 337-347.	2.7	1
48	STEREO OBSERVATIONS OF THE ENERGETIC HEAVY IONS DURING THE MINIMUM OF SOLAR CYCLE 23. , 2011, , .		0
49	SIMULATION OF A TIME-OF-FLIGHT TELESCOPE FOR SUPRATHERMAL IONS IN THE HELIOSPHERE. , 2008, , .		0