

# Radoslav Bucik

## List of Publications by Year in descending order

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49  
papers

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citations

516710

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983  
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#	ARTICLE	IF	CITATIONS
1	Impulsive Solar Energetic Particle Events: Extreme-Ultraviolet Waves and Jets. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 8, .	2.8	2
2	Preferential Acceleration of Heavy Ions in a Spontaneously Fragmenting Flare Current Sheet. <i>Astrophysical Journal</i> , 2022, 927, 177.	4.5	2
3	First near-relativistic solar electron events observed by EPD onboard Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, L3.	5.1	16
4	Temperature in Solar Sources of $^3\text{He}$ -rich Solar Energetic Particles and Relation to Ion Abundances. <i>Astrophysical Journal</i> , 2021, 908, 243.	4.5	15
5	The long period of $^3\text{He}$ -rich solar energetic particles measured by Solar Orbiter 2020 November 17–23. <i>Astronomy and Astrophysics</i> , 2021, 656, L11.	5.1	12
6	Solar Energetic Electron Events Associated with Hard X-Ray Flares. <i>Astrophysical Journal</i> , 2021, 913, 89.	4.5	11
7	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
8	$^3\text{He}$ -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
9	$^3\text{He}$ -Rich Solar Energetic Particles: Solar Sources. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	39
10	$^3\text{He}$ -rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal</i> , Supplement Series, 2020, 246, 42.	7.7	27
11	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020, 642, A3.	5.1	67
12	$^3\text{He}$ -rich Solar Energetic Particles in Helical Jets on the Sun. <i>Astrophysical Journal</i> , 2018, 852, 76.	4.5	46
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	$^3\text{He}$ -rich Solar Energetic Particles from Sunspot Jets. <i>Astrophysical Journal Letters</i> , 2018, 869, L21.	8.3	35
15	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
16	Spectroscopic EUV observations of impulsive solar energetic particle event sources. <i>Astronomy and Astrophysics</i> , 2018, 617, A40.	5.1	1
17	Sunward-propagating Solar Energetic Electrons inside Multiple Interplanetary Flux Ropes. <i>Astrophysical Journal</i> , 2017, 840, 85.	4.5	9
18	Temperature of Source Regions of $^3\text{He}$ -Rich Impulsive Solar Energetic Particle Events. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 14-16.	0.0	1

#	ARTICLE	IF	CITATIONS
19	Energy spectra of <sup>3</sup> He-rich solar energetic particles associated with coronal waves. Journal of Physics: Conference Series, 2016, 767, 012002.	0.4	2
20	Observations of solar X-ray and EUV jets and their related phenomena. Astronomische Nachrichten, 2016, 337, 1024-1032.	1.2	46
21	ASSOCIATION OF <sup>3</sup> He-RICH SOLAR ENERGETIC PARTICLES WITH LARGE-SCALE CORONAL WAVES. Astrophysical Journal, 2016, 833, 63.	4.5	14
22	OBSERVATIONS OF EUV WAVES IN <sup>3</sup> He-RICH SOLAR ENERGETIC PARTICLE EVENTS. Astrophysical Journal, 2015, 812, 53.	4.5	8
23	Long-lived energetic particle source regions on the Sun. Journal of Physics: Conference Series, 2015, 642, 012002.	0.4	28
24	STUDY OF SOLAR ENERGETIC PARTICLE ASSOCIATIONS WITH CORONAL EXTREME-ULTRAVIOLET WAVES. Astrophysical Journal, 2015, 808, 3.	4.5	31
25	Case studies of multi-day <sup>3</sup> He-rich solar energetic particle periods. Astronomy and Astrophysics, 2015, 580, A16.	5.1	37
26	Solar wind control of the terrestrial magnetotail as seen by STEREO. Journal of Geophysical Research: Space Physics, 2014, 119, 6342-6355.	2.4	10
27	MULTI-SPACECRAFT OBSERVATIONS OF RECURRENT <sup>3</sup> He-RICH SOLAR ENERGETIC PARTICLES. Astrophysical Journal, 2014, 786, 71.	4.5	50
28	Dynamics of the Earth Radiation Belts During the Strong Magnetic Storms. Astrophysics and Space Science Library, 2014, , 337-347.	2.7	1
29	[sup 3]He-rich SEP events observed by STEREO-A. , 2013, , .		1
30	THE SOURCE REGIONS OF SOLAR ENERGETIC PARTICLES DETECTED BY WIDELY SEPARATED SPACECRAFT. Astrophysical Journal, 2013, 779, 184.	4.5	47
31	Observations of the longitudinal spread of solar energetic particle events in solar cycle 24. AIP Conference Proceedings, 2012, , .	0.4	1
32	Abundances of Suprathermal Heavy Ions in CIRs During the Minimum of Solar Cycle 23. Solar Physics, 2012, 281, 411.	2.5	5
33	On the origin of the energetic ion events measured upstream of the Earth's bow shock by STEREO, Cluster, and Geotail. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	26
34	STEREO observations of the energetic ions in tilted corotating interaction regions. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	7
35	STEREO OBSERVATIONS OF THE ENERGETIC HEAVY IONS DURING THE MINIMUM OF SOLAR CYCLE 23. , 2011, , .		0
36	Moderate geomagnetic storm (21-22 January 2005) triggered by an outstanding coronal mass ejection viewed via energetic neutral atoms. Journal of Geophysical Research, 2010, 115, .	3.3	14

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37	On acceleration of &lt;math>1\text{ MeV/n He}</math> ions in the corotating compression regions near 1 AU: STEREO observations. <i>Annales Geophysicae</i> , 2009, 27, 3677-3690.	1.6	16
38	In situ Observations of CIRs on STEREO, Wind, and ACE During 2007-2008. <i>Solar Physics</i> , 2009, 256, 393-408.	2.5	36
39	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
40	Multiple spacecraft study of an extended magnetic structure in the solar wind. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	8
41	On transmissivity of low energy cosmic rays in disturbed magnetosphere. <i>Advances in Space Research</i> , 2008, 42, 1300-1306.	2.6	47
42	SIMULATION OF A TIME-OF-FLIGHT TELESCOPE FOR SUPRATHERMAL IONS IN THE HELIOSPHERE. , 2008, , .		0
43	Ionospheric plasma response to the seismic activity. <i>Physics and Chemistry of the Earth</i> , 2006, 31, 473-481.	2.9	11
44	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
45	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
46	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
47	Gamma rays in &lt;math>L</math>-&lt;math>B</math> coordinates at CORONAS-I altitude. <i>Annales Geophysicae</i> , 2005, 23, 2239-2247.	1.6	1
48	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
49	Spatial distribution of low energy gamma-rays associated with trapped particles. <i>Advances in Space Research</i> , 2002, 30, 2843-2848.	2.6	2