

# Jan Rybak

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

1,279  
citations

361413

20  
h-index

361022

35  
g-index

88  
all docs

88  
docs citations

88  
times ranked

892  
citing authors

#	ARTICLE	IF	CITATIONS
1	Narrowband Spikes Observed During the 13 June 2012 Flare in the 800–2000 MHz Range. <i>Solar Physics</i> , 2022, 297, .	2.5	2
2	Electron Densities in the Solar Corona Measured Simultaneously in the Extreme Ultraviolet and Infrared. <i>Astrophysical Journal</i> , 2021, 906, 118.	4.5	7
3	Narrowband Spikes Observed during the 2013 November 7 Flare. <i>Astrophysical Journal</i> , 2021, 910, 108.	4.5	5
4	The SLED project and the dynamics of coronal flux ropes. <i>Advances in Space Research</i> , 2021, , .	2.6	1
5	Drifting Pulsation Structure at the Very Beginning of the 2017 September 10 Limb Flare. <i>Astrophysical Journal</i> , 2020, 889, 72.	4.5	16
6	The 2017 September 6 Flare: Radio Bursts and Pulsations in the 22–5000 MHz Range and Associated Phenomena. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 31.	7.7	5
7	CBPTracker - a web tool to detect and track Solar features from SDO/ AIA images. , 2019, , .		0
8	“Universal Freedom” and the Balfour declaration: watershed moments for radical Jewish politics. <i>European Review of History/Revue Europeenne D’Histoire</i> , 2019, 26, 783-806.	0.2	1
9	Fourier Power Spectra of Solar Noise Storms. <i>Solar Physics</i> , 2018, 293, 1.	2.5	2
10	Gradient Path Labelling method and tracking method for calculation of solar differential rotation using coronal bright points. <i>Astronomy and Computing</i> , 2018, 25, 168-175.	1.7	2
11	Oscillations and Waves in Radio Source of Drifting Pulsation Structures. <i>Solar Physics</i> , 2018, 293, 1.	2.5	4
12	Spectroscopic Inversions of the Ca ii 8542 Å Line in a C-class Solar Flare. <i>Astrophysical Journal</i> , 2017, 846, 9.	4.5	17
13	Spectral Characteristics of the He i D3 Line in a Quiescent Prominence Observed by THEMIS. <i>Solar Physics</i> , 2017, 292, 1.	2.5	2
14	Oscillation Maps in the Broadband Radio Spectrum of the 1 August 2010 Event. <i>Solar Physics</i> , 2017, 292, 1.	2.5	10
15	Oscillations in the 45–5000 MHz Radio Spectrum of the 18 April 2014 Flare. <i>Solar Physics</i> , 2017, 292, 15	2.5	4
16	Waves and Magnetism in the Solar Atmosphere (WAMIS). <i>Frontiers in Astronomy and Space Sciences</i> , 2016, 3, .	2.8	4
17	Broadband microwave sub-second pulsations in an expanding coronal loop of the 2011 August 10 flare. <i>Astronomy and Astrophysics</i> , 2016, 593, A80.	5.1	9
18	NLTE modeling of a small active region filament observed with the VTT. <i>Astronomische Nachrichten</i> , 2016, 337, 1045-1049.	1.2	3

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19	Riga at War 1914–1919. War and Wartime Experience in a Multi-ethnic Metropolis. <i>Europe-Asia Studies</i> , 2016, 68, 1086-1088.	0.5	0
20	ExperTime. , 2014, , .		4
21	Transmission profile of the Dutch Open Telescope H $\alpha$ Lyot filter. <i>Astronomische Nachrichten</i> , 2014, 335, 409-416.	1.2	0
22	MAGNETOACOUSTIC WAVES PROPAGATING ALONG A DENSE SLAB AND HARRIS CURRENT SHEET AND THEIR WAVELET SPECTRA. <i>Astrophysical Journal</i> , 2014, 788, 44.	4.5	22
23	On Dynamics of G-Band Bright Points. <i>Solar Physics</i> , 2014, 289, 1543-1556.	2.5	13
24	Waves and Magnetism in the Solar Atmosphere (WAMIS). <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 121-126.	0.0	0
25	Temporal Expertise Profiling. <i>Lecture Notes in Computer Science</i> , 2014, , 540-546.	1.3	20
26	Coronal Multi-channel Polarimeter at the Lomnický Peak Observatory. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 521-522.	0.0	1
27	Separation of drifting pulsating structures in a complex radio spectrum of the 2001 April 11 event. <i>Astronomy and Astrophysics</i> , 2011, 525, A88.	5.1	9
28	Magnetoacoustic Wave Trains in the 11 July 2005 Radio Event with Fiber Bursts. <i>Solar Physics</i> , 2011, 273, 393-402.	2.5	22
29	Separation of solar radio bursts in a complex spectrum. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 150-152.	0.0	0
30	Radio spectra generated during coalescence processes of plasmoids in a flare current sheet. <i>Astronomy and Astrophysics</i> , 2010, 514, A28.	5.1	24
31	MULTIWAVELENGTH IMAGING AND SPECTROSCOPY OF CHROMOSPHERIC EVAPORATION IN AN M-CLASS SOLAR FLARE. <i>Astrophysical Journal</i> , 2010, 719, 655-670.	4.5	36
32	Manifestations of the North-South Asymmetry in the Photosphere and in the Green Line Corona. <i>Solar Physics</i> , 2010, 261, 321-335.	2.5	34
33	Dynamics of isolated magnetic bright points derived from Hinode/SOT G-band observations. <i>Astronomy and Astrophysics</i> , 2010, 511, A39.	5.1	48
34	Magnetic loop emergence within a granule. <i>Astronomy and Astrophysics</i> , 2010, 511, A14.	5.1	48
35	Multi-wavelength fine structure and mass flows in solar microflares. <i>Astronomy and Astrophysics</i> , 2009, 505, 811-823.	5.1	19
36	Analyses of magnetic field structures for active region 10720 using a data-driven 3D MHD model. <i>Advances in Space Research</i> , 2009, 44, 46-53.	2.6	17

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37	Coronal fast wave trains of the decimetric type IV radio event observed during the decay phase of the June 6, 2000 flare. <i>Advances in Space Research</i> , 2009, 43, 1479-1483.	2.6	10
38	TADPOLES IN WAVELET SPECTRA OF A SOLAR DECIMETRIC RADIO BURST. <i>Astrophysical Journal</i> , 2009, 697, L108-L110.	4.5	42
39	“Drifting tadpoles” in wavelet spectra of decimetric radio emission of fiber bursts. <i>Astronomy and Astrophysics</i> , 2009, 502, L13-L15.	5.1	20
40	Observation of Turbulence in Solar Surface Convection: I. Line Parameter Correlations. <i>Solar Physics</i> , 2008, 249, 293-306.	2.5	3
41	Acceleration in Fast Halo CMEs and Synchronized Flare HXR Bursts. <i>Astrophysical Journal</i> , 2008, 673, L95-L98.	4.5	173
42	Hemispheric sunspot numbers $\{R_n\}$ and $\{R_s\}$ from 1945–2004: catalogue and N-S asymmetry analysis for solar cycles 18–23. <i>Astronomy and Astrophysics</i> , 2006, 447, 735-743.	5.1	158
43	Periodicities in Irradiance and in other Solar Activity Indices During Cycle 23. <i>Solar Physics</i> , 2006, 237, 433-444.	2.5	14
44	Periodical patterns in major flare occurrence and their relation to magnetically complex active regions. <i>Advances in Space Research</i> , 2006, 38, 886-890.	2.6	2
45	SOHO/CDS observations of waves above the network. <i>Astronomy and Astrophysics</i> , 2006, 448, 1169-1175.	5.1	9
46	Photospheric modeling through spectral line inversion. <i>Astronomy and Astrophysics</i> , 2006, 458, 941-951.	5.1	3
47	Long period variations of dm-radio and X-ray fluxes in three X-class flares. <i>Astronomy and Astrophysics</i> , 2006, 460, 865-874.	5.1	21
48	Coronal manifestations of solar variability. <i>Advances in Space Research</i> , 2005, 35, 393-399.	2.6	20
49	Overview of the flare index during the maximum phase of the solar cycle 23. <i>Advances in Space Research</i> , 2005, 35, 400-405.	2.6	11
50	Quasi-biennial Oscillations of the North–South Asymmetry. <i>Astronomy Reports</i> , 2005, 49, 659.	0.9	20
51	Intermittence of the short-term periodicities of the flare index. <i>Advances in Space Research</i> , 2005, 35, 406-409.	2.6	7
52	What causes the 24-day period observed in solar flares?. <i>Astronomy and Astrophysics</i> , 2005, 433, 707-712.	5.1	3
53	Influence of the 5-min oscillations on solar photospheric layers. <i>Astronomy and Astrophysics</i> , 2005, 444, 257-264.	5.1	1
54	On the 24-day period observed in solar flare occurrence. <i>Solar Physics</i> , 2004, 221, 325-335.	2.5	8

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55	Two-dimensional spectroscopic time series of solar granulation. Solar Physics, 2004, 223, 13-26.	2.5	1
56	Evaluation of the short-term periodicities in the flare index between the years 1966–2002. Solar Physics, 2004, 223, 287-304.	2.5	32
57	Evidence of the fundamental periodicity in the flare index between the years 1966-2002. Proceedings of the International Astronomical Union, 2004, 2004, 557-558.	0.0	0
58	Indications of shock waves in the solar photosphere. Astronomy and Astrophysics, 2004, 420, 1141-1152.	5.1	12
59	Temporal variability of the flare index (1966–2001). Solar Physics, 2003, 214, 375-396.	2.5	82
60	Evolution of temperature in granule and intergranular space. Astronomische Nachrichten, 2003, 324, 349-351.	1.2	0
61	Dynamics and turbulence of the chromospheric layers of a flaring atmosphere. Astronomische Nachrichten, 2003, 324, 366-366.	1.2	0
62	Flare index variability in the ascending branch of solar cycle 23. Journal of Geophysical Research, 2002, 107, SSH 11-1.	3.3	21
63	Precise reduction of solar spectra obtained with large CCD arrays. Astronomy and Astrophysics, 2002, 394, 1077-1091.	5.1	18
64	TEMPORAL VARIABILITY OF THE CORONAL GREEN-LINE INDEX (1947–1998). Solar Physics, 2002, 205, 177-187.	2.5	26
65	Time Evolution of low-Frequency Periodicities in Cosmic ray Intensity. Solar Physics, 2002, 205, 165-175.	2.5	88
66	The Wavelet Analysis of the Solar and Cosmic-Ray Data. Space Science Reviews, 2001, 97, 359-362.	8.1	27
67	The Solar and Cosmic-Ray Synodic Periodicity (1969–1998). Space Science Reviews, 2001, 97, 355-358.	8.1	9
68	The Location of Solar Oscillations in the Photosphere. Astrophysics and Space Science Library, 2001, , 267-270.	2.7	1
69	Chromospheric Dynamics as Can Be Inferred from Sumer/SOHO Observations. Astrophysics and Space Science Library, 2001, , 247-250.	2.7	0
70	Correlation of Velocity Fields at Different Heights in the Solar Photosphere. Astrophysics and Space Science Library, 1999, , 219-222.	2.7	0
71	On the correlation between daily GCR intensity values and LDE-type flare index (1987, 1988, 1990 and 1992). Advances in Space Research, 1995, 16, 237-240.	2.6	1
72	Daily values of the solar SXR background and modulation of GCRs (1987, 1988, 1990 and 1992). Advances in Space Research, 1995, 16, 237-240.	2.6	0

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73	Rotational characteristics of the green solar corona: 1964-1989. Solar Physics, 1994, 152, 161-166.	2.5	24
74	Cosmic-ray modulation and long-duration solar flare events. Solar Physics, 1994, 154, 371-376.	2.5	0
75	FeXIV Line Emission Polarization of the July 11, 1991 Solar Corona. International Astronomical Union Colloquium, 1994, 144, 541-547.	0.1	0
76	Long Duration Solar Flare Events and Cosmic Ray Modulation (1969-1992). International Astronomical Union Colloquium, 1994, 144, 499-502.	0.1	0
77	Hot mass transport in the solar active prominence. AIP Conference Proceedings, 1992, , .	0.4	0
78	The horizontal solar telescope with spectrograph at Starbř Lesnř Observatory. Astrophysics and Space Science, 1990, 171, 279-281.	1.4	0
79	The Solar Line Emission Dopplerometer project. Experimental Astronomy, 0, , 1.	3.7	0