

Alexander Mordvinov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

449
citations

9
h-index

21
g-index

34
ext. papers

490
ext. citations

2.3
avg, IF

3.84
L-index

#	Paper	IF	Citations
33	Secular total solar irradiance trend during solar cycles 21-23. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	233
32	Reversals of the Sun's Polar Magnetic Fields in Relation to Activity Complexes and Coronal Holes. <i>Solar Physics</i> , 2014 , 289, 1971-1981	2.6	25
31	Cyclic Changes in Solar Rotation Inferred From Temporal Changes in the Mean Magnetic Field. <i>Solar Physics</i> , 2000 , 197, 1-9	2.6	21
30	Modelling variability of solar activity cycles. <i>Astronomy and Astrophysics</i> , 2018 , 615, A38	5.1	17
29	Time-frequency analysis of total solar irradiance variations. <i>Geophysical Research Letters</i> , 1999 , 26, 3613-3616	4.9	16
28	Long-Term Changes in Sunspot Activity, Occurrence of Grand Minima, and Their Future Tendencies. <i>Solar Physics</i> , 2010 , 264, 269-278	2.6	14
27	Evolution of sunspot activity and inversion of the Sun's polar magnetic field in the current cycle. <i>Advances in Space Research</i> , 2015 , 55, 2739-2743	2.4	11
26	Effect of Large-Scale Magnetic Fields on Total Solar Irradiance. <i>Solar Physics</i> , 2003 , 215, 5-16	2.6	11
25	Evolution of the Sun's Polar Fields and the Poleward Transport of Remnant Magnetic Flux. <i>Solar Physics</i> , 2019 , 294, 1	2.6	10
24	Rearrangements of Open Magnetic Flux and Formation of Polar Coronal Holes in Cycle 24. <i>Solar Physics</i> , 2017 , 292, 1	2.6	9
23	Active longitudes and north-south asymmetry of the activity the Sun as manifestations of its relic magnetic field. <i>Astronomy Reports</i> , 2004 , 48, 254-260	1.1	9
22	Reconstruction of Magnetic Activity of the Sun and Changes in Its Irradiance on a Millennium Timescale Using Neurocomputing. <i>Solar Physics</i> , 2004 , 224, 247-253	2.6	9
21	Large-Scale Magnetic Field of the Sun and Evolution of Sunspot Activity. <i>Solar Physics</i> , 2012 , 280, 379-387	2.6	7
20	The Topology of Background Magnetic Fields and Solar Flare Activity. <i>Solar Physics</i> , 2002 , 211, 241-253	2.6	7
19	Decay of activity complexes and the formation of coronal holes. <i>Astronomy Reports</i> , 2013 , 57, 448-457	1.1	6
18	Coherent structures in the dynamics of the large-scale solar magnetic field. <i>Astronomy Reports</i> , 2001 , 45, 652-658	1.1	6
17	Decay of Activity Complexes, Formation of Unipolar Magnetic Regions, and Coronal Holes in Their Causal Relation. <i>Solar Physics</i> , 2016 , 291, 3605-3617	2.6	5

16	Magnetic Flux Imbalance of the Solar and Heliospheric Magnetic Fields. <i>Solar Physics</i> , 2007 , 246, 445-456.	2.6	5
15	Hierarchy of Cyclic Solar Activity Changes. <i>Solar Physics</i> , 1999 , 187, 223-226	2.6	5
14	Effects of the electron distribution on the expansion of a collisionless plasma into a background of lower density. <i>Journal of Applied Mechanics and Technical Physics</i> , 1986 , 26, 764-768	0.6	3
13	Reduction of measurements of total solar flux to a unified scale and uncertainty in estimating its long-term trends. <i>Geomagnetism and Aeronomy</i> , 2010 , 50, 933-936	0.9	2
12	Effect of active longitudes in cosmic ray flux modulation. <i>Geomagnetism and Aeronomy</i> , 2009 , 49, 179-186.	0.9	2
11	Long-term variations of asymmetry of the solar magnetic field and geometry of the interplanetary magnetic field. <i>Cosmic Research</i> , 2008 , 46, 314-319	0.6	2
10	Long-term variations in the asymmetry of the magnetic field of the sun and heliosphere. <i>Astronomy Reports</i> , 2006 , 50, 936-943	1.1	2
9	Effects of activity complexes and active longitudes on variations in total solar irradiance. <i>Astronomy Letters</i> , 2001 , 27, 451-454	1.1	2
8	Slow changes of solar irradiance and energetics of active regions. <i>Solar Physics</i> , 1996 , 163, 309	2.6	2
7	Long-term Evolution of the Sun's Magnetic Field during Cycles 15-19 Based on Their Proxies from Kodaikanal Solar Observatory. <i>Astrophysical Journal Letters</i> , 2020 , 902, L15	7.9	2
6	Long-term Changes in Total Solar Irradiance and Their Predictions. <i>Geomagnetism and Aeronomy</i> , 2018 , 58, 1175-1186	0.9	2
5	Solar activity secular cycles. <i>Geomagnetism and Aeronomy</i> , 2013 , 53, 949-952	0.9	1
4	Evolution of the Sun's activity and the poleward transport of remnant magnetic flux in Cycles 21-24. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 510, 1331-1339	4.3	1
3	Restructuring of the Solar Magnetic Fields and Flare Activity Centers in Cycle 24. <i>Astronomy Reports</i> , 2020 , 64, 540-546	1.1	
2	Secular cycles in reconstructed sunspot number series. <i>Geomagnetism and Aeronomy</i> , 2014 , 54, 1006-1009.	0.9	
1	Problems in Forecasting of the Decennial Solar Activity in Terms of TSI by the Method of Analogs. <i>Geomagnetism and Aeronomy</i> , 2018 , 58, 1081-1086	0.9	