

Alexander Mordvinov

List of Publications by Year in descending order

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33
papers

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840119

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Secular total solar irradiance trend during solar cycles 21-23. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	284
2	Reversals of the Sun's Polar Magnetic Fields in Relation to Activity Complexes and Coronal Holes. <i>Solar Physics</i> , 2014, 289, 1971-1981.	1.0	26
3	Modelling variability of solar activity cycles. <i>Astronomy and Astrophysics</i> , 2018, 615, A38.	2.1	25
4	Cyclic Changes in Solar Rotation Inferred From Temporal Changes in the Mean Magnetic Field. <i>Solar Physics</i> , 2000, 197, 1-9.	1.0	22
5	Time-frequency analysis of total solar irradiance variations. <i>Geophysical Research Letters</i> , 1999, 26, 3613-3616.	1.5	20
6	Evolution of the Sun's Polar Fields and the Poleward Transport of Remnant Magnetic Flux. <i>Solar Physics</i> , 2019, 294, 1.	1.0	15
7	Long-Term Changes in Sunspot Activity, Occurrence of Grand Minima, and Their Future Tendencies. <i>Solar Physics</i> , 2010, 264, 269-278.	1.0	14
8	Effect of Large-Scale Magnetic Fields on Total Solar Irradiance. <i>Solar Physics</i> , 2003, 215, 5-16.	1.0	13
9	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.	0.2	12
10	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.	1.0	11
11	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.	1.2	11
12	Rearrangements of Open Magnetic Flux and Formation of Polar Coronal Holes in Cycle 24. <i>Solar Physics</i> , 2017, 292, 1.	1.0	10
13	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.	1.6	10
14	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.	3.0	9
15	Coherent structures in the dynamics of the large-scale solar magnetic field. <i>Astronomy Reports</i> , 2001, 45, 652-658.	0.2	8
16	Hierarchy of Cyclic Solar Activity Changes. <i>Solar Physics</i> , 1999, 187, 223-226.	1.0	7
17	The Topology of Background Magnetic Fields and Solar Flare Activity. <i>Solar Physics</i> , 2002, 211, 241-253.	1.0	7
18	Large-Scale Magnetic Field of the Sun and Evolution of Sunspot Activity. <i>Solar Physics</i> , 2012, 280, 379-387.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Magnetic Flux Imbalance of the Solar and Heliospheric Magnetic Fields. Solar Physics, 2007, 246, 445-456.	1.0	6
20	Decay of activity complexes and the formation of coronal holes. Astronomy Reports, 2013, 57, 448-457.	0.2	6
21	Decay of Activity Complexes, Formation of Unipolar Magnetic Regions, and Coronal Holes in Their Causal Relation. Solar Physics, 2016, 291, 3605-3617.	1.0	6
22	Long-term variations in the asymmetry of the magnetic field of the sun and heliosphere. Astronomy Reports, 2006, 50, 936-943.	0.2	4
23	Effects of the electron distribution on the expansion of a collisionless plasma into a background of lower density. Journal of Applied Mechanics and Technical Physics, 1986, 26, 764-768.	0.1	3
24	Effect of active longitudes in cosmic ray flux modulation. Geomagnetism and Aeronomy, 2009, 49, 179-186.	0.2	3
25	Long-term Changes in Total Solar Irradiance and Their Predictions. Geomagnetism and Aeronomy, 2018, 58, 1175-1186.	0.2	3
26	Slow changes of solar irradiance and energetics of active regions. Solar Physics, 1996, 163, 309.	1.0	2
27	Effects of activity complexes and active longitudes on variations in total solar irradiance. Astronomy Letters, 2001, 27, 451-454.	0.1	2
28	Long-term variations of asymmetry of the solar magnetic field and geometry of the interplanetary magnetic field. Cosmic Research, 2008, 46, 314-319.	0.2	2
29	Reduction of measurements of total solar flux to a unified scale and uncertainty in estimating its long-term trends. Geomagnetism and Aeronomy, 2010, 50, 933-936.	0.2	2
30	Restructuring of the Solar Magnetic Fields and Flare Activity Centers in Cycle 24. Astronomy Reports, 2020, 64, 540-546.	0.2	2
31	Solar activity secular cycles. Geomagnetism and Aeronomy, 2013, 53, 949-952.	0.2	1
32	Secular cycles in reconstructed sunspot number series. Geomagnetism and Aeronomy, 2014, 54, 1006-1009.	0.2	0
33	Problems in Forecasting of the Decennial Solar Activity in Terms of TSI by the Method of Analogs. Geomagnetism and Aeronomy, 2018, 58, 1081-1086.	0.2	0