

Ilpo I Virtanen

List of Publications by Year in descending order

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30
papers

415
citations

840776

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h-index

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all docs

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docs citations

30
times ranked

469
citing authors

#	ARTICLE	IF	CITATIONS
1	On a limitation of Zeeman polarimetry and imperfect instrumentation in representing solar magnetic fields with weaker polarization signal. <i>Journal of Space Weather and Space Climate</i> , 2021, 11, 14.	3.3	8
2	Reconstructing solar magnetic fields from historical observations. <i>Astronomy and Astrophysics</i> , 2021, 652, A79.	5.1	1
3	Spatial-temporal evolution of photospheric weak-field shifts in solar cycles 21-24. <i>Astronomy and Astrophysics</i> , 2021, 645, A47.	5.1	6
4	Effect of Additional Magnetograph Observations From Different Lagrangian Points in Sun-Earth System on Predicted Properties of Quasi-Steady Solar Wind at 1 AU. <i>Space Weather</i> , 2020, 18, e2020SW002448.	3.7	18
5	Abrupt Shrinking of Solar Corona in the Late 1990s. <i>Astrophysical Journal Letters</i> , 2020, 889, L28.	8.3	7
6	A New Signal of the Solar Magnetic Cycle: Opposite Shifts of Weak Magnetic Field Distributions in the Two Hemispheres. <i>Geophysical Research Letters</i> , 2019, 46, 9327-9333.	4.0	5
7	Reconstructing solar magnetic fields from historical observations. <i>Astronomy and Astrophysics</i> , 2019, 628, A103.	5.1	15
8	Reconstructing solar magnetic fields from historical observations. <i>Astronomy and Astrophysics</i> , 2019, 627, A11.	5.1	8
9	Revisiting the coronal current sheet model: Parameter range analysis and comparison with the potential field model. <i>Astronomy and Astrophysics</i> , 2019, 631, A17.	5.1	6
10	Asymmetric Distribution of Weak Photospheric Magnetic Field Values. <i>Astrophysical Journal</i> , 2019, 874, 116.	4.5	6
11	Structure and evolution of the photospheric magnetic field in 2010-2017: comparison of SOLIS/VSM vector field and B_{LOS} potential field. <i>Astronomy and Astrophysics</i> , 2019, 624, A73.	5.1	9
12	Photospheric and coronal magnetic fields in six magnetographs. <i>Astronomy and Astrophysics</i> , 2019, 626, A67.	5.1	4
13	Reconstructing solar magnetic fields from historical observations. <i>Astronomy and Astrophysics</i> , 2019, 632, A39.	5.1	7
14	Automated Identification of Coronal Holes from Synoptic EUV Maps. <i>Solar Physics</i> , 2018, 293, 1.	2.5	21
15	Bihelical Spectrum of Solar Magnetic Helicity and Its Evolution. <i>Astrophysical Journal</i> , 2018, 863, 182.	4.5	18
16	Southward shift of the coronal neutral line and the heliospheric current sheet: Evidence for radial evolution of hemispheric asymmetry. <i>Astronomy and Astrophysics</i> , 2018, 618, A105.	5.1	7
17	Reconstructing solar magnetic fields from historical observations. <i>Astronomy and Astrophysics</i> , 2018, 616, A134.	5.1	9
18	Swarm Satellite and EISCAT Radar Observations of a Plasma Flow Channel in the Auroral Oval Near Magnetic Midnight. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5140-5158.	2.4	9

#	ARTICLE	IF	CITATIONS
19	Tilt of Sunspot Bipoles in Solar Cycles 15 to 24. <i>Solar Physics</i> , 2018, 293, 1.	2.5	24
20	COMPARING CORONAL AND HELIOSPHERIC MAGNETIC FIELDS OVER SEVERAL SOLAR CYCLES. <i>Astrophysical Journal</i> , 2017, 835, 63.	4.5	13
21	Reconstructing solar magnetic fields from historical observations. <i>Astronomy and Astrophysics</i> , 2017, 604, A8.	5.1	23
22	Photospheric and coronal magnetic fields in six magnetographs. <i>Astronomy and Astrophysics</i> , 2017, 604, A7.	5.1	30
23	Structure of the Photospheric Magnetic Field During Sector Crossings of the Heliospheric Magnetic Field. <i>Solar Physics</i> , 2017, 292, 1.	2.5	5
24	Reconstructing solar magnetic fields from historical observations. <i>Astronomy and Astrophysics</i> , 2016, 585, A40.	5.1	43
25	Photospheric and coronal magnetic fields in six magnetographs. <i>Astronomy and Astrophysics</i> , 2016, 591, A78.	5.1	31
26	NORTH-SOUTH ASYMMETRIC SOLAR CYCLE EVOLUTION: SIGNATURES IN THE PHOTOSPHERE AND CONSEQUENCES IN THE CORONA. <i>Astrophysical Journal</i> , 2014, 781, 99.	4.5	20
27	Plasma parameter estimation from multistatic, multibeam incoherent scatter data. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,528.	2.4	10
28	Broadband meter-wavelength observations of ionospheric scintillation. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,544.	2.4	17
29	The wide skirt of the bashful ballerina: Hemispheric asymmetry of the heliospheric magnetic field in the inner and outer heliosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	8
30	Asymmetry of solar polar fields and the southward shift of HCS observed by Ulysses. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27