Ilpo I Virtanen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1080771/publications.pdf

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30	415	840776 11	794594 19
papers	citations	h-index	g-index

30	30	30	469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reconstructing solar magnetic fields from historical observations. Astronomy and Astrophysics, 2016, 585, A40.	5.1	43
2	Photospheric and coronal magnetic fields in six magnetographs. Astronomy and Astrophysics, 2016, 591, A78.	5.1	31
3	Photospheric and coronal magnetic fields in six magnetographs. Astronomy and Astrophysics, 2017, 604, A7.	5.1	30
4	Asymmetry of solar polar fields and the southward shift of HCS observed by Ulysses. Journal of Geophysical Research, 2010, 115, .	3.3	27
5	Tilt of Sunspot Bipoles in Solar Cycles 15 to 24. Solar Physics, 2018, 293, 1.	2.5	24
6	Reconstructing solar magnetic fields from historical observations. Astronomy and Astrophysics, 2017, 604, A8.	5.1	23
7	Automated Identification of Coronal Holes from Synoptic EUV Maps. Solar Physics, 2018, 293, 1.	2.5	21
8	NORTH-SOUTH ASYMMETRIC SOLAR CYCLE EVOLUTION: SIGNATURES IN THE PHOTOSPHERE AND CONSEQUENCES IN THE CORONA. Astrophysical Journal, 2014, 781, 99.	4.5	20
9	Bihelical Spectrum of Solar Magnetic Helicity and Its Evolution. Astrophysical Journal, 2018, 863, 182.	4.5	18
10	Effect of Additional Magnetograph Observations From Different Lagrangian Points in Sunâ€Earth System on Predicted Properties of Quasiâ€Steady Solar Wind at 1 AU. Space Weather, 2020, 18, e2020SW002448.	3.7	18
11	Broadband meterâ€wavelength observations of ionospheric scintillation. Journal of Geophysical Research: Space Physics, 2014, 119, 10,544.	2.4	17
12	Reconstructing solar magnetic fields from historical observations. Astronomy and Astrophysics, 2019, 628, A103.	5.1	15
13	COMPARING CORONAL AND HELIOSPHERIC MAGNETIC FIELDS OVER SEVERAL SOLAR CYCLES. Astrophysical Journal, 2017, 835, 63.	4.5	13
14	Plasma parameter estimation from multistatic, multibeam incoherent scatter data. Journal of Geophysical Research: Space Physics, 2014, 119, 10,528.	2.4	10
15	Reconstructing solar magnetic fields from historical observations. Astronomy and Astrophysics, 2018, 616, A134.	5.1	9
16	Swarm Satellite and EISCAT Radar Observations of a Plasma Flow Channel in the Auroral Oval Near Magnetic Midnight. Journal of Geophysical Research: Space Physics, 2018, 123, 5140-5158.	2.4	9
17	Structure and evolution of the photospheric magnetic field in 2010â€“2017: comparison of SOLIS/VSM vector field and B_{LOS} potential field. Astronomy and Astrophysics, 2019, 624, A73.	5.1	9
18	The wide skirt of the bashful ballerina: Hemispheric asymmetry of the heliospheric magnetic field in the inner and outer heliosphere. Journal of Geophysical Research, 2012, 117, .	3.3	8

#	Article	IF	Citations
19	Reconstructing solar magnetic fields from historical observations. Astronomy and Astrophysics, 2019, 627, A11.	5.1	8
20	On a limitation of Zeeman polarimetry and imperfect instrumentation in representing solar magnetic fields with weaker polarization signal. Journal of Space Weather and Space Climate, 2021, 11, 14.	3.3	8
21	Southward shift of the coronal neutral line and the heliospheric current sheet: Evidence for radial evolution of hemispheric asymmetry. Astronomy and Astrophysics, 2018, 618, A105.	5.1	7
22	Reconstructing solar magnetic fields from historical observations. Astronomy and Astrophysics, 2019, 632, A39.	5.1	7
23	Abrupt Shrinking of Solar Corona in the Late 1990s. Astrophysical Journal Letters, 2020, 889, L28.	8.3	7
24	Revisiting the coronal current sheet model: Parameter range analysis and comparison with the potential field model. Astronomy and Astrophysics, 2019, 631, A17.	5.1	6
25	Asymmetric Distribution of Weak Photospheric Magnetic Field Values. Astrophysical Journal, 2019, 874, 116.	4.5	6
26	Spatialâ€“temporal evolution of photospheric weak-field shifts in solar cycles 21â€“24. Astronomy and Astrophysics, 2021, 645, A47.	5.1	6
27	Structure of the Photospheric Magnetic Field During Sector Crossings of the Heliospheric Magnetic Field. Solar Physics, 2017, 292, 1.	2.5	5
28	A New Signal of the Solar Magnetic Cycle: Opposite Shifts of Weak Magnetic Field Distributions in the Two Hemispheres. Geophysical Research Letters, 2019, 46, 9327-9333.	4.0	5
29	Photospheric and coronal magnetic fields in six magnetographs. Astronomy and Astrophysics, 2019, 626, A67.	5.1	4
30	Reconstructing solar magnetic fields from historical observations. Astronomy and Astrophysics, 2021, 652, A79.	5.1	1