Sven Wedemeyer-BÃ¶hm

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4792449/publications.pdf

Version: 2024-02-01

62	2,453	218677	206112
papers	citations	26 h-index	48 g-index

62	62	62	1256
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Solar ALMA Science Archive (SALSA). Astronomy and Astrophysics, 2022, 659, A31.	5.1	10
2	First detection of AlF line emission towards M-type AGB stars. Astronomy and Astrophysics, 2022, 663, A54.	5.1	4
3	ALMA and IRIS Observations of the Solar Chromosphere. II. Structure and Dynamics of Chromospheric Plages. Astrophysical Journal, 2021, 906, 83.	4.5	14
4	The Sun at millimeter wavelengths. Astronomy and Astrophysics, 2021, 656, A68.	5.1	12
5	ALMA and IRIS Observations of the Solar Chromosphere. I. An On-disk Type II Spicule. Astrophysical Journal, 2021, 906, 82.	4.5	16
6	High-frequency oscillations in small chromospheric bright features observed with Atacama Large Millimetre/Submillimetre Array. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200184.	3.4	9
7	Characterization of shock wave signatures at millimetre wavelengths from Bifrost simulations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200185.	3.4	10
8	EMISSA (Exploring Millimeter Indicators of Solar-Stellar Activity). Astronomy and Astrophysics, 2021, 655, A113.	5.1	5
9	An overall view of temperature oscillations in the solar chromosphere with ALMA. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200174.	3.4	15
10	The multi-thermal chromosphere. Astronomy and Astrophysics, 2020, 634, A56.	5.1	29
11	The Sun at millimeter wavelengths. Astronomy and Astrophysics, 2020, 635, A71.	5.1	32
12	The Sun at millimeter wavelengths. Astronomy and Astrophysics, 2020, 644, A152.	5.1	17
13	Multiwavelength High-resolution Observations of Chromospheric Swirls in the Quiet Sun. Astrophysical Journal, 2019, 881, 83.	4.5	20
14	First Spectral Analysis of a Solar Plasma Eruption Using ALMA. Astrophysical Journal, 2019, 875, 163.	4.5	20
15	The solar chromosphere at millimetre and ultraviolet wavelengths. Astronomy and Astrophysics, 2019, 622, A150.	5.1	26
16	Observing the Sun with the Atacama Large Millimeter/submillimeter Array â€“ from continuum to magnetic fields. Proceedings of the International Astronomical Union, 2019, 15, 24-37.	0.0	0
17	First analysis of solar structures in 1.21 mm full-disc ALMA image of the Sun. Astronomy and Astrophysics, 2018, 613, A17.	5.1	26
18	First high-resolution look at the quiet Sun with ALMA at 3mm. Astronomy and Astrophysics, 2018, 619, L6.	5.1	27

#	Article	IF	Citations
19	Three-dimensional hydrodynamical CO5BOLD model atmospheres of red giant stars. Astronomy and Astrophysics, 2017, 606, A26.	5.1	8
20	Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): Fast-Scan Single-Dish Mapping. Solar Physics, 2017, 292, 1.	2.5	76
21	Vortex flows in the solar chromosphere. Astronomy and Astrophysics, 2017, 601, A135.	5.1	28
22	Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): High-Resolution Interferometric Imaging. Solar Physics, 2017, 292, 1.	2.5	57
23	OBSERVING THE FORMATION OF FLARE-DRIVEN CORONAL RAIN. Astrophysical Journal, 2016, 833, 184.	4.5	35
24	Solar Science with the Atacama Large Millimeter/Submillimeter Arrayâ€"A New View of Our Sun. Space Science Reviews, 2016, 200, 1-73.	8.1	113
25	CHROMOSPHERIC AND CORONAL WAVE GENERATION IN A MAGNETIC FLUX SHEATH. Astrophysical Journal, 2016, 827, 7.	4.5	20
26	ON THE EVOLUTION OF MAGNETIC WHITE DWARFS. Astrophysical Journal, 2015, 812, 19.	4.5	52
27	Synthetic activity indicators for M-type dwarf stars. Proceedings of the International Astronomical Union, 2015, 11, 303-308.	0.0	1
28	SSALMON â€“ The Solar Simulations for the Atacama Large Millimeter Observatory Network. Advances in Space Research, 2015, 56, 2679-2692.	2.6	5
29	On the plasma flow inside magnetic tornadoes on the Sun. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	39
30	UNRESOLVED FINE-SCALE STRUCTURE IN SOLAR CORONAL LOOP-TOPS. Astrophysical Journal, 2014, 797, 36.	4.5	48
31	THE DETECTION OF UPWARDLY PROPAGATING WAVES CHANNELING ENERGY FROM THE CHROMOSPHERE TO THE LOW CORONA. Astrophysical Journal, 2014, 791, 61.	4.5	28
32	IS THE SUN LIGHTER THAN THE EARTH? ISOTOPIC CO IN THE PHOTOSPHERE, VIEWED THROUGH THE LENS OF THREE-DIMENSIONAL SPECTRUM SYNTHESIS. Astrophysical Journal, 2013, 765, 46.	4.5	31
33	Threeâ€dimensional magnetohydrodynamic simulations of Mâ€dwarf chromospheres. Astronomische Nachrichten, 2013, 334, 137-140.	1.2	14
34	ARE GIANT TORNADOES THE LEGS OF SOLAR PROMINENCES?. Astrophysical Journal, 2013, 774, 123.	4.5	67
35	Magnetic tornadoes and chromospheric swirls â€“ Definition and classification. Journal of Physics: Conference Series, 2013, 440, 012005.	0.4	24
36	Magnetic tornadoes as energy channels into the solar corona. Nature, 2012, 486, 505-508.	27.8	270

#	Article	IF	Citations
37	Simulations of stellar convection with CO5BOLD. Journal of Computational Physics, 2012, 231, 919-959.	3.8	276
38	Non-equilibrium calcium ionisation in the solar atmosphere. Astronomy and Astrophysics, 2011, 528, A1.	5.1	38
39	MORPHOLOGY AND DYNAMICS OF THE LOW SOLAR CHROMOSPHERE. Astrophysical Journal, 2009, 706, 148-157.	4.5	10
40	Small-scale swirl events in the quiet Sun chromosphere. Astronomy and Astrophysics, 2009, 507, L9-L12.	5.1	116
41	Coupling from the Photosphere to the Chromosphere andÂtheÂCorona. Space Science Reviews, 2009, 144, 317-350.	8.1	84
42	Are there variations in Earth's global mean temperature related to the solar activity?. Proceedings of the International Astronomical Union, 2009, 5, 320-325.	0.0	0
43	On the continuum intensity distribution of the solar photosphere. Astronomy and Astrophysics, 2009, 503, 225-239.	5.1	67
44	The Horizontal Internetwork Magnetic Field: Numerical Simulations in Comparison to Observations with Hinode. Astrophysical Journal, 2008, 680, L85-L88.	4.5	69
45	Coupling from the Photosphere to the Chromosphere andÂtheÂCorona. Space Sciences Series of ISSI, 2008, , 317-350.	0.0	2
46	Point spread functions for the Solar optical telescope onboard Hinode. Astronomy and Astrophysics, 2008, 487, 399-412.	5.1	69
47	Small-scale structure and dynamics of the lower solar atmosphere. Proceedings of the International Astronomical Union, 2007, 3, 66-73.	0.0	3
48	Carbon monoxide in the solar atmosphere. Astronomy and Astrophysics, 2007, 462, L31-L35.	5.1	16
49	First local helioseismic experiments with CO5BOLD. Astronomische Nachrichten, 2007, 328, 323-328.	1.2	16
50	On the fine structure of the quiet solar CaÂIIÂK atmosphere. Astronomy and Astrophysics, 2007, 462, 303-310.	5.1	23
51	Inter-network regions of the Sun at millimetre wavelengths. Astronomy and Astrophysics, 2007, 471, 977-991.	5.1	36
52	Hinode observations reveal boundary layers of magnetic elements in the solar photosphere. Astronomy and Astrophysics, 2007, 476, L33-L36.	5.1	26
53	Dynamic models of the sun from the convection zone to the chromosphere. Proceedings of the International Astronomical Union, 2006, 2, 52-57.	0.0	1
54	Time-dependent hydrogen ionisation in 3D simulations of the solar chromosphere. Astronomy and Astrophysics, 2006, 460, 301-307.	5.1	32

#	Article	IF	Citations
55	Observation of a short-lived pattern in the solar chromosphere. Astronomy and Astrophysics, 2006, 459, L9-L12.	5.1	25
56	DOT tomography of the solar atmosphere. Astronomy and Astrophysics, 2005, 431, 687-692.	5.1	46
57	Carbon monoxide in the solar atmosphere. Astronomy and Astrophysics, 2005, 438, 1043-1057.	5.1	33
58	Numerical simulation of the three-dimensional structure andÂdynamicsÂofÂthe non-magnetic solar chromosphere. Astronomy and Astrophysics, 2004, 414, 1121-1137.	5.1	200
59	3-D hydrodynamic simulations of the solar chromosphere. Astronomische Nachrichten, 2003, 324, 410-411.	1.2	10
60	Statistical equilibrium and photospheric abundance of silicon in the Sun and in Vega. Astronomy and Astrophysics, 2001, 373, 998-1008.	5.1	39
61	Power distribution of oscillations in the atmosphere of a plage region. Joint observations with ALMA, IRIS, and SDO. Astronomy and Astrophysics, 0, , .	5.1	4
62	A Genetic Algorithm to Model Solar Radio Active Regions From 3D Magnetic Field Extrapolations. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	4