

Jörn Warnecke

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

680
citations

567281

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610901

24
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all docs

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docs citations

25
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulating Solar Near-surface Rossby Waves by Inverse Cascade from Supergranule Energy. <i>Astrophysical Journal</i> , 2022, 931, 117.	4.5	4
2	Investigating Global Convective Dynamos with Mean-field Models: Full Spectrum of Turbulent Effects Required. <i>Astrophysical Journal Letters</i> , 2021, 919, L13.	8.3	12
3	Non-Fourier description of heat flux evolution in 3D MHD simulations of the solar corona. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2020, 114, 261-281.	1.2	7
4	Rotational dependence of turbulent transport coefficients in global convective dynamo simulations of solar-like stars. <i>Astronomy and Astrophysics</i> , 2020, 642, A66.	5.1	13
5	Stellar coronal X-ray emission and surface magnetic flux. <i>Astronomy and Astrophysics</i> , 2020, 640, A119.	5.1	12
6	Data-driven model of the solar corona above an active region. <i>Astronomy and Astrophysics</i> , 2019, 624, L12.	5.1	23
7	Stellar Dynamos in the Transition Regime: Multiple Dynamo Modes and Antisolar Differential Rotation. <i>Astrophysical Journal</i> , 2019, 886, 21.	4.5	19
8	Magnetic bipoles in rotating turbulence with coronal envelope. <i>Astronomy and Astrophysics</i> , 2019, 621, A61.	5.1	1
9	Transition from axi- to nonaxisymmetric dynamo modes in spherical convection models of solar-like stars. <i>Astronomy and Astrophysics</i> , 2018, 616, A160.	5.1	48
10	Dynamo cycles in global convection simulations of solar-like stars. <i>Astronomy and Astrophysics</i> , 2018, 616, A72.	5.1	44
11	Extended Subadiabatic Layer in Simulations of Overshooting Convection. <i>Astrophysical Journal Letters</i> , 2017, 845, L23.	8.3	44
12	Current systems of coronal loops in 3D MHD simulations. <i>Astronomy and Astrophysics</i> , 2017, 607, A53.	5.1	11
13	Influence of a coronal envelope as a free boundary to global convective dynamo simulations. <i>Astronomy and Astrophysics</i> , 2016, 596, A115.	5.1	27
14	Multiple dynamo modes as a mechanism for long-term solar activity variations. <i>Astronomy and Astrophysics</i> , 2016, 589, A56.	5.1	68
15	ON THE CAUSE OF SOLAR-LIKE EQUATORWARD MIGRATION IN GLOBAL CONVECTIVE DYNAMO SIMULATIONS. <i>Astrophysical Journal Letters</i> , 2014, 796, L12.	8.3	46
16	BIPOLAR MAGNETIC STRUCTURES DRIVEN BY STRATIFIED TURBULENCE WITH A CORONAL ENVELOPE. <i>Astrophysical Journal Letters</i> , 2013, 777, L37.	8.3	42
17	EFFECTS OF ENHANCED STRATIFICATION ON EQUATORWARD DYNAMO WAVE PROPAGATION. <i>Astrophysical Journal</i> , 2013, 778, 41.	4.5	106
18	SPOKE-LIKE DIFFERENTIAL ROTATION IN A CONVECTIVE DYNAMO WITH A CORONAL ENVELOPE. <i>Astrophysical Journal</i> , 2013, 778, 141.	4.5	35

#	ARTICLE	IF	CITATIONS
19	Coronal influence on dynamos. Proceedings of the International Astronomical Union, 2013, 9, 134-137.	0.0	4
20	Magnetic twist: a source and property of space weather. Journal of Space Weather and Space Climate, 2012, 2, A11.	3.3	21
21	Ejections of Magnetic Structures Above a Spherical Wedge Driven by a Convective Dynamo with Differential Rotation. Solar Physics, 2012, 280, 299-319.	2.5	20
22	Dynamo-driven plasmoid ejections above a spherical surface. Astronomy and Astrophysics, 2011, 534, A11.	5.1	49
23	Plasmoid ejections driven by dynamo action underneath a spherical surface. Proceedings of the International Astronomical Union, 2010, 6, 306-309.	0.0	1
24	Dynamo generated field emergence through recurrent plasmoid ejections. Proceedings of the International Astronomical Union, 2010, 6, 256-260.	0.0	0
25	Surface appearance of dynamo-generated large-scale fields. Astronomy and Astrophysics, 2010, 523, A19.	5.1	23