

# Jörn Warnecke

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

680  
citations

567281

15  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

350  
citing authors

#	ARTICLE	IF	CITATIONS
1	EFFECTS OF ENHANCED STRATIFICATION ON EQUATORWARD DYNAMO WAVE PROPAGATION. <i>Astrophysical Journal</i> , 2013, 778, 41.	4.5	106
2	Multiple dynamo modes as a mechanism for long-term solar activity variations. <i>Astronomy and Astrophysics</i> , 2016, 589, A56.	5.1	68
3	Dynamo-driven plasmoid ejections above a spherical surface. <i>Astronomy and Astrophysics</i> , 2011, 534, A11.	5.1	49
4	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
5	ON THE CAUSE OF SOLAR-LIKE EQUATORWARD MIGRATION IN GLOBAL CONVECTIVE DYNAMO SIMULATIONS. <i>Astrophysical Journal Letters</i> , 2014, 796, L12.	8.3	46
6	Extended Subadiabatic Layer in Simulations of Overshooting Convection. <i>Astrophysical Journal Letters</i> , 2017, 845, L23.	8.3	44
7	Dynamo cycles in global convection simulations of solar-like stars. <i>Astronomy and Astrophysics</i> , 2018, 616, A72.	5.1	44
8	BIPOLAR MAGNETIC STRUCTURES DRIVEN BY STRATIFIED TURBULENCE WITH A CORONAL ENVELOPE. <i>Astrophysical Journal Letters</i> , 2013, 777, L37.	8.3	42
9	SPOKE-LIKE DIFFERENTIAL ROTATION IN A CONVECTIVE DYNAMO WITH A CORONAL ENVELOPE. <i>Astrophysical Journal</i> , 2013, 778, 141.	4.5	35
10	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
11	Surface appearance of dynamo-generated large-scale fields. <i>Astronomy and Astrophysics</i> , 2010, 523, A19.	5.1	23
12	Data-driven model of the solar corona above an active region. <i>Astronomy and Astrophysics</i> , 2019, 624, L12.	5.1	23
13	Magnetic twist: a source and property of space weather. <i>Journal of Space Weather and Space Climate</i> , 2012, 2, A11.	3.3	21
14	Ejections of Magnetic Structures Above a Spherical Wedge Driven by a Convective Dynamo with Differential Rotation. <i>Solar Physics</i> , 2012, 280, 299-319.	2.5	20
15	Stellar Dynamos in the Transition Regime: Multiple Dynamo Modes and Antisolar Differential Rotation. <i>Astrophysical Journal</i> , 2019, 886, 21.	4.5	19
16	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
17	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
18	Stellar coronal X-ray emission and surface magnetic flux. <i>Astronomy and Astrophysics</i> , 2020, 640, A119.	5.1	12

#	ARTICLE	IF	CITATIONS
19	Current systems of coronal loops in 3D MHD simulations. <i>Astronomy and Astrophysics</i> , 2017, 607, A53.	5.1	11
20	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
21	Coronal influence on dynamos. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 134-137.	0.0	4
22	Simulating Solar Near-surface Rossby Waves by Inverse Cascade from Supergranule Energy. <i>Astrophysical Journal</i> , 2022, 931, 117.	4.5	4
23	Plasmoid ejections driven by dynamo action underneath a spherical surface. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 306-309.	0.0	1
24	Magnetic bipoles in rotating turbulence with coronal envelope. <i>Astronomy and Astrophysics</i> , 2019, 621, A61.	5.1	1
25	Dynamo generated field emergence through recurrent plasmoid ejections. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 256-260.	0.0	0