

Å^{1/2}eljka Fuchs

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,191
citations

623734

14
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Convectively coupled gravity and moisture modes in a simple atmospheric model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 59, 627.	1.7	83
2	Mechanisms controlling the onset of simulated convectively coupled Kelvin waves. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 66, 22107.	1.7	7
3	Sensitivity of Linear Models of the Madden-Julian oscillation to Convective Representation. <i>Journals of the Atmospheric Sciences</i> , 2022, , .	1.7	4
4	On the impact of dropsondes on the ECMWF Integrated Forecasting System model (CY47R1) analysis of convection during the OTREC (Organization of Tropical East Pacific Convection) field campaign. <i>Geoscientific Model Development</i> , 2022, 15, 3371-3385.	3.6	2
5	Emergent Properties of Convection in OTREC and PREDICT. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033585.	3.3	14
6	Towards a Mechanistic Understanding of Precipitation Over the Far Eastern Tropical Pacific and Western Colombia, One of the Rainiest Spots on Earth. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033415.	3.3	15
7	High-resolution in situ observations of atmospheric thermodynamics using dropsondes during the Organization of Tropical East Pacific Convection (OTREC) field campaign. <i>Earth System Science Data</i> , 2021, 13, 1107-1117.	9.9	11
8	Weak Temperature Gradient Modeling of Convection in OTREC. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002557.	3.8	2
9	OTREC2019: Convection Over the East Pacific and Southwest Caribbean. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087564.	4.0	27
10	The Madden-Julian Oscillation and Mean Easterly Winds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD030869.	3.3	5
11	WISHE Moisture Mode in a Vertically Resolved Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001839.	3.8	4
12	A Simple Model of Convectively Coupled Equatorial Rossby Waves. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 173-184.	3.8	18
13	The Madden-Julian Oscillation and the Indo-Pacific Warm Pool. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 951-960.	3.8	8
14	The Risks of Contracting the Acquisition and Processing of the Nation's Weather and Climate Data to the Private Sector. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 869-870.	3.3	6
15	A simple model of intraseasonal oscillations. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 1195-1211.	3.8	81
16	Convectively Coupled Kelvin Waves: From Linear Theory to Global Models. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 407-428.	1.7	17
17	Balanced dynamics and convection in the tropical troposphere. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1093-1116.	3.8	68
18	Diagnosing <sc>DYNAMO</sc> convection with weak temperature gradient simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1849-1871.	3.8	16

#	ARTICLE	IF	CITATIONS
19	Precipitation correlation between convective available potential energy, convective inhibition and saturation fraction in middle latitudes. <i>Atmospheric Research</i> , 2013, 124, 170-180.	4.1	11
20	Effects of Varying the Shape of the Convective Heating Profile on Convectively Coupled Gravity Waves and Moisture Modes. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 2505-2519.	1.7	16
21	Moisture Modes and the Madden-Julian Oscillation. <i>Journal of Climate</i> , 2009, 22, 3031-3046.	3.2	212
22	The Mechanics of Gross Moist Stability. <i>Journal of Advances in Modeling Earth Systems</i> , 2009, 1, .	3.8	228
23	A simple, vertically resolved model of tropical disturbances with a humidity closure. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007, 59, 344-354.	1.7	61
24	Large-Scale Modes in a Rotating Atmosphere with Radiative-Convective Instability and WISHE. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 4084-4094.	1.7	95
25	Convective Forcing in the Intertropical Convergence Zone of the Eastern Pacific. <i>Journals of the Atmospheric Sciences</i> , 2003, 60, 2064-2082.	1.7	93
26	Large-Scale Modes of a Nonrotating Atmosphere with Water Vapor and Cloud-Radiation Feedbacks. <i>Journals of the Atmospheric Sciences</i> , 2002, 59, 1669-1679.	1.7	87