

Wolfgang Langhans

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

1,343
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

2059
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Tropical Anvil Clouds by Slow Evaporation. <i>Geophysical Research Letters</i> , 2019, 46, 492-501.	4.0	37
2	Optimization of the Eddyâ€Diffusivity/Massâ€Flux Shallow Cumulus and Boundaryâ€Layer Parameterization Using Surrogate Models. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 402-416.	3.8	5
3	Impact of topography on the diurnal cycle of summertime moist convection in idealized simulations. <i>Meteorologische Zeitschrift</i> , 2016, 25, 181-194.	1.0	9
4	The origin of water vapor rings in tropical oceanic cold pools. <i>Geophysical Research Letters</i> , 2015, 42, 7825-7834.	4.0	42
5	Lagrangian Investigation of the Precipitation Efficiency of Convective Clouds. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 1045-1062.	1.7	30
6	A review on regional convectionâ€permitting climate modeling: Demonstrations, prospects, and challenges. <i>Reviews of Geophysics</i> , 2015, 53, 323-361.	23.0	907
7	Influence of the Background Wind on the Local Soil Moistureâ€Precipitation Feedback. <i>Journals of the Atmospheric Sciences</i> , 2014, 71, 782-799.	1.7	80
8	Long-Term Simulations of Thermally Driven Flows and Orographic Convection at Convection-Parameterizing and Cloud-Resolving Resolutions. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 1490-1510.	1.5	67
9	Mesoscale Impacts of Explicit Numerical Diffusion in a Convection-Permitting Model. <i>Monthly Weather Review</i> , 2012, 140, 226-244.	1.4	18
10	Bulk Convergence of Cloud-Resolving Simulations of Moist Convection over Complex Terrain. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 2207-2228.	1.7	62
11	The orographic impact on patterns of embedded convection during the August 2005 Alpine flood. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 2092-2105.	2.7	13
12	Cloudâ€resolving ensemble simulations of the August 2005 Alpine flood. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2008, 134, 889-904.	2.7	73