

# Wolfgang Langhans

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2944680/publications.pdf>

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	A review on regional convection-permitting climate modeling: Demonstrations, prospects, and challenges. <i>Reviews of Geophysics</i> , 2015, 53, 323-361.	23.0	907
2	Influence of the Background Wind on the Local Soil Moisture-Precipitation Feedback. <i>Journals of the Atmospheric Sciences</i> , 2014, 71, 782-799.	1.7	80
3	Cloud-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
4	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
5	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
6	The origin of water vapor rings in tropical oceanic cold pools. <i>Geophysical Research Letters</i> , 2015, 42, 7825-7834.	4.0	42
7	Formation of Tropical Anvil Clouds by Slow Evaporation. <i>Geophysical Research Letters</i> , 2019, 46, 492-501.	4.0	37
8	Lagrangian Investigation of the Precipitation Efficiency of Convective Clouds. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 1045-1062.	1.7	30
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	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
11	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
12	Optimization of the Eddy-Diffusivity/Mass-Flux Shallow Cumulus and Boundary-Layer Parameterization Using Surrogate Models. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 402-416.	3.8	5