

# Isabell Krisch

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

278  
citations

1163117

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h-index

1125743

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g-index

36  
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36  
docs citations

36  
times ranked

622  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the derivation of zonal and meridional wind components from Aeolus horizontal line-of-sight wind. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3465-3479.	3.1	6
2	Atmospheric Gravity Waves in Aeolus Wind Lidar Observations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092756.	4.0	15
3	Orographically induced spontaneous imbalance within the jet causing a large-scale gravity wave event. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10393-10412.	4.9	9
4	Dynamical and surface impacts of the January 2021 sudden stratospheric warming in novel Aeolus wind observations, MLS and ERA5. <i>Weather and Climate Dynamics</i> , 2021, 2, 1283-1301.	3.5	13
5	Superposition of gravity waves with different propagation characteristics observed by airborne and space-borne infrared sounders. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11469-11490.	4.9	11
6	3-D tomographic limb sounder retrieval techniques: irregular grids and Laplacian regularisation. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 853-872.	3.1	6
7	Limited angle tomography of mesoscale gravity waves by the infrared limb-sounder GLORIA. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4327-4344.	3.1	13
8	Mesoscale fine structure of a tropopause fold over mountains. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15643-15667.	4.9	15
9	Characterization of blackbody inhomogeneity and its effect on the retrieval results of the GLORIA instrument. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 3871-3882.	3.1	3
10	First tomographic observations of gravity waves by the infrared limb imager GLORIA. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14937-14953.	4.9	51
11	Satellite observations of middle atmosphere gravity wave absolute momentum flux and of its vertical gradient during recent stratospheric warmings. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9983-10019.	4.9	59
12	Quantifying Emerging Local Anthropogenic Emissions in the Arctic Region: The ACCESS Aircraft Campaign Experiment. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 441-460.	3.3	60
13	Polymer-Coated PtCo Nanoparticles Deposited on Diblock Copolymer Templates: Chemical Selectivity versus Topographical Effects. <i>ChemPhysChem</i> , 2014, 15, 2236-2239.	2.1	8