

# Christoph MÃ¼nkel

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

1,461  
citations

687363

13  
h-index

940533

16  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixing layer height and its implications for air pollution over Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2459-2475.	4.9	335
2	Surface-based remote sensing of the mixing-layer height a review. <i>Meteorologische Zeitschrift</i> , 2008, 17, 621-630.	1.0	210
3	Retrieval of mixing height and dust concentration with lidar ceilometer. <i>Boundary-Layer Meteorology</i> , 2007, 124, 117-128.	2.3	204
4	Atmospheric boundary-layer structure from simultaneous SODAR, RASS, and ceilometer measurements. <i>Atmospheric Environment</i> , 2004, 38, 273-286.	4.1	152
5	Recommendations for processing atmospheric attenuated backscatter profiles from Vaisala CL31 ceilometers. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3769-3791.	3.1	102
6	Mixing layer height as an indicator for urban air quality?. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2969-2988.	3.1	80
7	Mixing layer height on the North China Plain and meteorological evidence of serious air pollution in southern Hebei. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4897-4910.	4.9	78
8	Mixing layer height over Munich, Germany: Variability and comparisons of different methodologies. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	69
9	Mixing height determination with lidar ceilometers results from Helsinki Testbed. <i>Meteorologische Zeitschrift</i> , 2007, 16, 451-459.	1.0	58
10	Observation of the structure of the urban boundary layer with different ceilometers and validation by RASS data. <i>Meteorologische Zeitschrift</i> , 2009, 18, 149-154.	1.0	50
11	Investigation of the mixing layer height derived from ceilometer measurements in the Kathmandu Valley and implications for local air quality. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8157-8176.	4.9	46
12	Evaluation of the Interpretation of Ceilometer Data with RASS and Radiosonde Data. <i>Boundary-Layer Meteorology</i> , 2012, 143, 25-35.	2.3	35
13	The spatial representativeness of mixing layer height observations in the North China Plain. <i>Atmospheric Research</i> , 2018, 209, 204-211.	4.1	16
14	Aerosol backscatter profiles from ceilometers: validation of water vapor correction in the framework of CeilLinEx2015. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 471-490.	3.1	13
15	Adding confidence levels and error bars to mixing layer heights detected by ceilometer. <i>Proceedings of SPIE</i> , 2011, , .	0.8	8
16	Improved near-range performance of a low-cost one lens lidar scanning the boundary layer. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
17	Backscatter Lidar for Aerosol and Cloud Profiling. <i>Springer Handbooks</i> , 2021, , 683-717.	0.6	1