Franziska Köllner

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Airborne survey of trace gases and aerosols over the Southern Baltic Sea: from clean marine boundary layer to shipping corridor effect. Tellus, Series B: Chemical and Physical Meteorology, 2022, 72, 1695349.	1.6	7
2	Design, characterization, and first field deployment of a novel aircraft-based aerosol mass spectrometer combining the laser ablation and flash vaporization techniques. Atmospheric Measurement Techniques, 2022, 15, 2889-2921.	3.1	3
3	Aircraft-based observation of meteoric material in lower-stratospheric aerosol particles between 15 and 68° N. Atmospheric Chemistry and Physics, 2021, 21, 989-1013.	4.9	18
4	Chemical composition and source attribution of sub-micrometre aerosol particles in the summertime Arctic lower troposphere. Atmospheric Chemistry and Physics, 2021, 21, 6509-6539.	4.9	5
5	Application of an O-ring pinch device as a constant-pressure inlet (CPI) for airborne sampling. Atmospheric Measurement Techniques, 2020, 13, 3651-3660.	3.1	9
6	Optimizing the detection, ablation, and ion extraction efficiency of a single-particle laser ablation mass spectrometer for application in environments with low aerosol particle concentrations. Atmospheric Measurement Techniques, 2020, 13, 5923-5953.	3.1	10
7	Overview paper: New insights into aerosol and climate in the Arctic. Atmospheric Chemistry and Physics, 2019, 19, 2527-2560.	4.9	134
8	Characterization of transport regimes and the polar dome during Arctic spring and summer using in situ aircraft measurements. Atmospheric Chemistry and Physics, 2019, 19, 15049-15071.	4.9	25
9	The Arctic Cloud Puzzle: Using ACLOUD/PASCAL Multiplatform Observations to Unravel the Role of Clouds and Aerosol Particles in Arctic Amplification. Bulletin of the American Meteorological Society, 2019, 100, 841-871.	3.3	145
10	A comprehensive in situ and remote sensing data set from the Arctic CLoud Observations Using airborne measurements during polar Day (ACLOUD) campaign. Earth System Science Data, 2019, 11, 1853-1881.	9.9	42
11	Evidence for marine biogenic influence on summertime Arctic aerosol. Geophysical Research Letters, 2017, 44, 6460-6470.	4.0	56
12	Particulate trimethylamine in the summertime Canadian high Arctic lower troposphere. Atmospheric Chemistry and Physics, 2017, 17, 13747-13766.	4.9	49
13	Summertime observations of elevated levels of ultrafine particles in the high Arctic marine boundary layer. Atmospheric Chemistry and Physics, 2017, 17, 5515-5535.	4.9	62
14	Effects of 20–100‬nm particles on liquid clouds in the clean summertime Arctic. Atmospheric Chemistry and Physics, 2016, 16, 11107-11124.	4.9	94
15	Ship emissions measurement in the Arctic by plume intercepts of the Canadian Coast Guard icebreaker <i>Amundsen</i> from the <i>Polar 6</i> aircraft platform. Atmospheric Chemistry and Physics, 2016, 16, 7899-7916.	4.9	32
16	Growth of nucleation mode particles in the summertime Arctic: a case study. Atmospheric Chemistry and Physics, 2016, 16, 7663-7679.	4.9	111
17	The summertime Boreal forest field measurement intensive (HUMPPA-COPEC-2010): an overview of meteorological and chemical influences. Atmospheric Chemistry and Physics, 2011, 11, 10599-10618.	4.9	108