

# Friedrich Obleitner

## List of Publications by Year in descending order

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32  
papers

809  
citations

471061

17  
h-index

525886

27  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and temporal variations in near-surface energy fluxes in an Alpine valley under synoptically undisturbed and clear-sky conditions. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 2173-2196.	1.0	6
2	Deposition of ionic species and black carbon to the Arctic snowpack: combining snow pit observations with modeling. Atmospheric Chemistry and Physics, 2019, 19, 10361-10377.	1.9	17
3	A Method to Identify Synoptically Undisturbed, Clear-Sky Conditions for Valley-Wind Analysis. Boundary-Layer Meteorology, 2019, 173, 435-450.	1.2	13
4	Scalar-Flux Similarity in the Layer Near the Surface Over Mountainous Terrain. Boundary-Layer Meteorology, 2018, 169, 11-46.	1.2	32
5	Determination of black carbon and nanoparticles along glaciers in the Spitsbergen (Svalbard) region exploiting a mobile platform. Atmospheric Environment, 2017, 170, 184-196.	1.9	8
6	Investigating Exchange Processes over Complex Topography: The Innsbruck Box (i-Box). Bulletin of the American Meteorological Society, 2017, 98, 787-805.	1.7	49
7	Adjustment of regional climate model output for modeling the climatic mass balance of all glaciers on Svalbard. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5411-5429.	1.2	18
8	The Austrian radiation monitoring network ARAD – Åbest practice and added value. Atmospheric Measurement Techniques, 2016, 9, 1513-1531.	1.2	20
9	Recent ice cap snowmelt in Russian High Arctic and anti-correlation with late summer sea ice extent. Environmental Research Letters, 2014, 9, 045009.	2.2	21
10	The Near-Surface Small-Scale Spatial and Temporal Variability of Sensible and Latent Heat Exchange in the Svalbard Region: A Case Study. , 2012, 2012, 1-14.		11
11	Applying a Mesoscale Atmospheric Model to Svalbard Glaciers. Advances in Meteorology, 2012, 2012, 1-22.	0.6	31
12	Influences of the 2010 Eyjafjallaj�kull volcanic plume on air quality in the northern Alpine region. Atmospheric Chemistry and Physics, 2011, 11, 8555-8575.	1.9	46
13	Measurement and simulation of the 16/17 April 2010 Eyjafjallaj�kull volcanic ash layer dispersion in the northern Alpine region. Atmospheric Chemistry and Physics, 2011, 11, 2689-2701.	1.9	78
14	The mass and energy balance of ice within the Eisriesenwelt cave, Austria. Cryosphere, 2011, 5, 245-257.	1.5	32
15	Combined evaluations of meteorological parameters, traffic noise and air pollution in an Alpine valley. Meteorologische Zeitschrift, 2010, 19, 47-61.	0.5	4
16	HIRLAM experiments on surface energy balance across Vatnaj�kull, Iceland. Meteorology and Atmospheric Physics, 2009, 103, 67-77.	0.9	2
17	Air Pollution Transport in an Alpine Valley: Results From Airborne and Ground-Based Observations. Boundary-Layer Meteorology, 2009, 131, 441-463.	1.2	93
18	A multimethodological approach to study the spatial distribution of air pollution in an Alpine valley during wintertime. Atmospheric Chemistry and Physics, 2009, 9, 3385-3396.	1.9	35

#	ARTICLE	IF	CITATIONS
19	The impact of the PBL scheme and the vertical distribution of model layers on simulations of Alpine foehn. <i>Meteorology and Atmospheric Physics</i> , 2008, 99, 105-128.	0.9	26
20	Comparative study of wintertime NO and NO <sub>2</sub> measured by DOAS near a motorway in the Inn Valley. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
21	Atmospheric influences and local variability of air pollution close to a motorway in an Alpine valley during winter. <i>Meteorologische Zeitschrift</i> , 2008, 17, 297-309.	0.5	16
22	Assessment of interannual variations in the surface mass balance of 18 Svalbard glaciers from the Moderate Resolution Imaging Spectroradiometer/Terra albedo product. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	31
23	Numerical simulations on artificial reduction of snow and ice ablation. <i>Water Resources Research</i> , 2007, 43, .	1.7	17
24	Assessment of air pollution in the vicinity of major alpine routes. <i>Alliance for Global Sustainability Bookseries</i> , 2007, , 203-214.	0.2	2
25	Measurement and simulation of snow and superimposed ice at the Kongsvegen glacier, Svalbard (Spitzbergen). <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	36
26	The Energy Budget of Snow and Ice at Breidamerkurjökull, Vatnajökull, Iceland. <i>Boundary-Layer Meteorology</i> , 2000, 97, 385-410.	1.2	14
27	Glacio-Meteorological Investigations On Vatnajökull, Iceland, Summer 1996: An Overview. <i>Boundary-Layer Meteorology</i> , 1999, 92, 3-24.	1.2	77
28	On A Low Cloud Phenomenon At The Breidamerkurjökull Glacier, Iceland. <i>Boundary-Layer Meteorology</i> , 1999, 92, 145-162.	1.2	5
29	On Intercomparison Of Instruments Used Within The Vatnajökull Glacio-Meteorological Experiment. <i>Boundary-Layer Meteorology</i> , 1999, 92, 25-35.	1.2	27
30	Climatological features of glacier and valley winds at the Hintereisferner (Tignes/Isère Alps, Austria). <i>Theoretical and Applied Climatology</i> , 1994, 49, 225-239.	1.3	24
31	The Energy Balance of Dry Tundra in West Greenland. <i>Arctic and Alpine Research</i> , 1992, 24, 352.	1.3	15
32	Atmospheric Turbidity at the Antarctic Coastal Station Georg-von-Neumayer (78°S, 8°W, 40 m MSL). <i>Journal of Applied Meteorology and Climatology</i> , 1992, 31, 1202-1209.	1.7	3