# Friedrich Obleitner

List of Publications by Year
in descending order



| 32 | 809 | 471061 17 | 525886 27 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 34 | 34 | 34 | 1201 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Air Pollution Transport in an Alpine Valley: Results From Airborne and Ground-Based Observations. Boundary-Layer Meteorology, 2009, 131, 441-463. | 1.2 | 93 |
| 2 | Measurement and simulation of the 16/17 April 2010 EyjafjallajÃ¶kull volcanic ash layer dispersion in the northern Alpine region. Atmospheric Chemistry and Physics, 2011, 11, 2689-2701. | 1.9 | 78 |
| 3 | Glacio-Meteorological Investigations On VatnajÃ¶kull, Iceland, Summer 1996: An Overview. Boundary-Layer Meteorology, 1999, 92, 3-24. | 1.2 | 77 |
| 4 | Investigating Exchange Processes over Complex Topography: The Innsbruck Box (i-Box). Bulletin of the American Meteorological Society, 2017, 98, 787-805. | 1.7 | 49 |
| 5 | Influences of the 2010 EyjafjallajÃ¶kull volcanic plume on air quality in the northern Alpine region. Atmospheric Chemistry and Physics, 2011, 11, 8555-8575. | 1.9 | 46 |
| 6 | Measurement and simulation of snow and superimposed ice at the Kongsvegen glacier, Svalbard (Spitzbergen). Journal of Geophysical Research, 2004, 109, n/a-n/a. | 3.3 | 36 |
| 7 | 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 |
| 8 | The mass and energy balance of ice within the Eisriesenwelt cave, Austria. Cryosphere, 2011, 5, 245-257. | 1.5 | 32 |
| 9 | Scalar-Flux Similarity in the Layer Near the Surface Over Mountainous Terrain. Boundary-Layer Meteorology, 2018, 169, 11-46. | 1.2 | 32 |
| 10 | Assessment of interannual variations in the surface mass balance of 18 Svalbard glaciers from the Moderate Resolution Imaging Spectroradiometer/Terra albedo product. Journal of Geophysical Research, 2007, 112, . | 3.3 | 31 |
| 11 | Applying a Mesoscale Atmospheric Model to Svalbard Glaciers. Advances in Meteorology, 2012, 2012, 1-22. | 0.6 | 31 |
| 12 | On Intercomparison Of Instruments Used Within The VatnajÃ¶kull Glacio-Meteorological Experiment. Boundary-Layer Meteorology, 1999, 92, 25-35. | 1.2 | 27 |
| 13 | The impact of the PBL scheme and the vertical distribution of model layers on simulations of Alpine foehn. Meteorology and Atmospheric Physics, 2008, 99, 105-128. | 0.9 | 26 |
| 14 | Climatological features of glacier and valley winds at the Hintereisferner (ï¿½tztal Alps, Austria). Theoretical and Applied Climatology, 1994, 49, 225-239. | 1.3 | 24 |
| 15 | 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 |
| 16 | The Austrian radiation monitoring network ARAD â€“Âbest practice and added value. Atmospheric Measurement Techniques, 2016, 9, 1513-1531. | 1.2 | 20 |
| 17 | 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 |
| 18 | Numerical simulations on artificial reduction of snow and ice ablation. Water Resources Research, 2007, 43, . | 1.7 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Atmospheric influences and local variability of air pollution close to a motorway in an Alpine valley during winter. Meteorologische Zeitschrift, 2008, 17, 297-309. | 0.5 | 16 |
| 21 | The Energy Balance of Dry Tundra in West Greenland. Arctic and Alpine Research, 1992, 24, 352. | 1.3 | 15 |
| 22 | The Energy Budget of Snow and Ice at BreidamerkurjÃ¶kull, VatnajÃ¶kull, Iceland. Boundary-Layer Meteorology, 2000, 97, 385-410. | 1.2 | 14 |
| 23 | A Method to Identify Synoptically Undisturbed, Clear-Sky Conditions for Valley-Wind Analysis. Boundary-Layer Meteorology, 2019, 173, 435-450. | 1.2 | 13 |
| 24 | 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 |
| 25 | 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 |
| 26 | Spatial and temporal variations in nearâ€surface energy fluxes in an Alpine valley under synoptically undisturbed and clearâ€sky conditions. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 2173-2196. | 1.0 | 6 |
| 27 | On A Low Cloud Phenomenon At The BreidamerkurjÃ¶kull Glacier, Iceland. Boundary-Layer Meteorology, 1999, 92, 145-162. | 1.2 | 5 |
| 28 | Combined evaluations of meteorological parameters, traffic noise and air pollution in an Alpine valley. Meteorologische Zeitschrift, 2010, 19, 47-61. | 0.5 | 4 |
| 29 | Atmospheric Turbidity at the Antarctic Coastal Station Georg-von-Neumayer (78Â°S, 8Â°W, 40 m MSL). Journal of Applied Meteorology and Climatology, 1992, 31, 1202-1209. | 1.7 | 3 |
| 30 | HIRLAM experiments on surface energy balance across VatnajÃ¶kull, Iceland. Meteorology and Atmospheric Physics, 2009, 103, 67-77. | 0.9 | 2 |
| 31 | Assessment of air pollution in the vicinity of major alpine routes. Alliance for Global Sustainability Bookseries, 2007, , 203-214. | 0.2 | 2 |
| 32 | Comparative study of wintertime NO and NO 2 measured by DOAS near a motorway in the Inn Valley. Proceedings of SPIE, 2008, , . | 0.8 | 0 |