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Wind-induced Precipitation Undercatch of the Hellmann Gauges

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#	Paper	IF	Citations
46	Bias correction of daily precipitation measurements for Greenland. <i>Journal of Geophysical Research</i> , 1999 , 104, 6171-6181		90
45	An improved precipitation climatology for the Arctic Ocean. <i>Geophysical Research Letters</i> , 1999 , 26, 1625-1628	4.19	73
44	An evaluation of the Wyoming Gauge System for snowfall measurement. <i>Water Resources Research</i> , 2000 , 36, 2665-2677	5.4	35
43	Compatibility evaluation of national precipitation gage measurements. <i>Journal of Geophysical Research</i> , 2001 , 106, 1481-1491		69
42	A Bias-Corrected Precipitation Climatology for China. <i>Journal of Hydrometeorology</i> , 2004 , 5, 1147-1160	3.7	104
41	Mountain-block hydrology and mountain-front recharge. <i>Water Science and Application</i> , 2004 , 113-137		122
40	Physically Based Global Downscaling: Regional Evaluation. <i>Journal of Climate</i> , 2006 , 19, 429-445	4.4	16
39	Challenges in obtaining reliable measurements of point rainfall. <i>Water Resources Research</i> , 2007 , 43,	5.4	72
38	HISTALP Historical instrumental climatological surface time series of the Greater Alpine Region. <i>International Journal of Climatology</i> , 2007 , 27, 17-46	3.5	684
37	Field accuracy of Canadian rain measurements. <i>Atmosphere - Ocean</i> , 2008 , 46, 213-227	1.5	51
36	A gridded hourly precipitation dataset for Switzerland using rain-gauge analysis and radar-based disaggregation. <i>International Journal of Climatology</i> , 2010 , 30, 1764-1775	3.5	75
35	. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2010 , 62, 469-480	2	15
34	Climate change and mountain water resources: overview and recommendations for research, management and policy. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 471-504	5.5	356
33	Comparison of a tipping-bucket and electronic weighing precipitation gage for snowfall. <i>Atmospheric Research</i> , 2012 , 103, 45-51	5.4	45
32	High-resolution analysis of daily precipitation trends in the central Alps over the last century. <i>International Journal of Climatology</i> , 2012 , 32, 1406-1422	3.5	37
31	Long-term changes in annual maximum snow depth and snowfall in Switzerland based on extreme value statistics. <i>Climatic Change</i> , 2012 , 111, 705-721	4.5	64
30	On the role of domain size and resolution in the simulations with the HIRHAM region climate model. <i>Climate Dynamics</i> , 2013 , 40, 2903-2918	4.2	24

29	MeteoIO 2.4.2: a preprocessing library for meteorological data. <i>Geoscientific Model Development</i> , 2014 , 7, 3135-3151	6.3	49
28	Comparison of Winter Precipitation Measurements by Six Tretyakov Gauges at the Valdai Experimental Site. <i>Atmosphere - Ocean</i> , 2014 , 52, 39-53	1.5	11
27	How does the spaceborne radar blind zone affect derived surface snowfall statistics in polar regions?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 13,604-13,620	4.4	42
26	The climate of daily precipitation in the Alps: development and analysis of a high-resolution grid dataset from pan-Alpine rain-gauge data. <i>International Journal of Climatology</i> , 2014 , 34, 1657-1675	3.5	293
25	Verification of 24-h Quantitative Precipitation Forecasts over the Pacific Northwest from a High-Resolution Ensemble Kalman Filter System. <i>Weather and Forecasting</i> , 2017 , 32, 1185-1208	2.1	7
24	Crop water use under Swiss pedoclimatic conditions [Evaluation of lysimeter data covering a seven-year period. <i>Field Crops Research</i> , 2017 , 211, 48-65	5.5	14
23	Remote sensing upscaling of interception loss from isolated oaks: Sardon catchment case study, Spain. <i>Journal of Hydrology</i> , 2017 , 555, 489-505	6	13
22	Estimating radar reflectivity - Snowfall rate relationships and their uncertainties over Antarctica by combining disdrometer and radar observations. <i>Atmospheric Research</i> , 2017 , 196, 211-223	5.4	28
21	Future snowfall in the Alps: projections based on the EURO-CORDEX regional climate models. <i>Cryosphere</i> , 2018 , 12, 1-24	5.5	48
20	Adjusting precipitation measurements from the TRwS204 automatic weighing gauge in the Qilian Mountains, China. <i>Journal of Mountain Science</i> , 2018 , 15, 2365-2377	2.1	5
19	An Ensemble Version of the E-OBS Temperature and Precipitation Data Sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 9391-9409	4.4	419
18	Comparison and Correction of High-Mountain Precipitation Data Based on Glacio-Hydrological Modeling in the Tarim River Headwaters (High Asia). <i>Journal of Hydrometeorology</i> , 2018 , 19, 777-801	3.7	20
17	Quantitative precipitation estimation with weather radar using a data- and information-based approach. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 3711-3733	5.5	15
16	Response of glacier flow and structure to proglacial lake development and climate at Fjallsjökull, south-east Iceland. <i>Journal of Glaciology</i> , 2019 , 65, 321-336	3.4	6
15	A multi-year assessment of sub-hourly gridded precipitation for Switzerland based on a blended radarRain-gauge dataset. <i>International Journal of Climatology</i> , 2020 , 40, 5208-5222	3.5	8
14	Under-measured daily maximum precipitation from manual gauge observations over the northern regions. <i>Science of the Total Environment</i> , 2020 , 715, 136970	10.2	1
13	Evaluation of daily precipitation analyses in E-OBS (v19.0e) and ERA5 by comparison to regional high-resolution datasets in European regions. <i>International Journal of Climatology</i> ,	3.5	5
12	High Mountain Asian glacier response to climate revealed by multi-temporal satellite observations since the 1960s. <i>Nature Communications</i> , 2021 , 12, 4133	17.4	31

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10	Modelling Regional Climate Change in Germany. 2011 , 467-478		1
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8	Measurement of solid precipitation with an optical disdrometer. <i>Advances in Geosciences</i> , 10, 91-97		16
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6	MeteoIO 2.4.2: a preprocessing library for meteorological data.		4
5	Downscaling Climate Simulations for Use in Hydrological Modeling of Medium-Sized River Catchments. 2010 , 163-170		1
4	Inhomogeneity in Winter Precipitation Measurements. <i>Ecohydrology</i> , 2019 , 129-153	0.2	
3	Viscous creep of ice-rich permafrost debris in a recently uncovered proglacial area in the Tianshan Mountains, China. <i>Advances in Climate Change Research</i> , 2022 ,	4.1	0
2	Enhancing the Performance of Quantitative Precipitation Estimation Using Ensemble of Machine Learning Models Applied on Weather Radar Data. 2023 , 14, 182		0
1	The spatio-temporal patterns of glacier activities in the eastern Pamir Plateau investigated by time series sub-pixel offsets from Sentinel-2 optical images. 2023 , 1-14		0