

# Christian Bernhofer

## List of Publications by Citations

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127  
papers

16,546  
citations

48  
h-index

128  
g-index

134  
ext. papers

18,461  
ext. citations

5.2  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
127	On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. <i>Global Change Biology</i> , <b>2005</b> , 11, 1424-1439	11.4	2253
126	Energy balance closure at FLUXNET sites. <i>Agricultural and Forest Meteorology</i> , <b>2002</b> , 113, 223-243	5.8	1633
125	Gap filling strategies for defensible annual sums of net ecosystem exchange. <i>Agricultural and Forest Meteorology</i> , <b>2001</b> , 107, 43-69	5.8	1381
124	Respiration as the main determinant of carbon balance in European forests. <i>Nature</i> , <b>2000</b> , 404, 861-5	50.4	1313
123	Towards a standardized processing of Net Ecosystem Exchange measured with eddy covariance technique: algorithms and uncertainty estimation. <i>Biogeosciences</i> , <b>2006</b> , 3, 571-583	4.6	994
122	CO2 balance of boreal, temperate, and tropical forests derived from a global database. <i>Global Change Biology</i> , <b>2007</b> , 13, 2509-2537	11.4	744
121	Seasonality of ecosystem respiration and gross primary production as derived from FLUXNET measurements. <i>Agricultural and Forest Meteorology</i> , <b>2002</b> , 113, 53-74	5.8	540
120	Evidence for soil water control on carbon and water dynamics in European forests during the extremely dry year: 2003. <i>Agricultural and Forest Meteorology</i> , <b>2007</b> , 143, 123-145	5.8	427
119	Deriving a light use efficiency model from eddy covariance flux data for predicting daily gross primary production across biomes. <i>Agricultural and Forest Meteorology</i> , <b>2007</b> , 143, 189-207	5.8	417
118	Gap filling strategies for long term energy flux data sets. <i>Agricultural and Forest Meteorology</i> , <b>2001</b> , 107, 71-77	5.8	417
117	Contrasting response of European forest and grassland energy exchange to heatwaves. <i>Nature Geoscience</i> , <b>2010</b> , 3, 722-727	18.3	380
116	A data-driven analysis of energy balance closure across FLUXNET research sites: The role of landscape scale heterogeneity. <i>Agricultural and Forest Meteorology</i> , <b>2013</b> , 171-172, 137-152	5.8	342
115	Dissolved carbon leaching from soil is a crucial component of the net ecosystem carbon balance. <i>Global Change Biology</i> , <b>2011</b> , 17, 1167-1185	11.4	317
114	BUBBLE: An Urban Boundary Layer Meteorology Project. <i>Theoretical and Applied Climatology</i> , <b>2005</b> , 81, 231-261	3	274
113	Partitioning European grassland net ecosystem CO2 exchange into gross primary productivity and ecosystem respiration using light response function analysis. <i>Agriculture, Ecosystems and Environment</i> , <b>2007</b> , 121, 93-120	5.7	272
112	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , <b>2020</b> , 7, 225	8.2	256
111	The Energy Balance Experiment EBEX-2000. Part I: overview and energy balance. <i>Boundary-Layer Meteorology</i> , <b>2007</b> , 123, 1-28	3.4	246

110	Climate and vegetation controls on the surface water balance: Synthesis of evapotranspiration measured across a global network of flux towers. <i>Water Resources Research</i> , <b>2012</b> , 48,	5.4	202
109	Evapotranspiration amplifies European summer drought. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 2071-2075	4.75	177
108	A decade of carbon, water and energy flux measurements of an old spruce forest at the Anchor Station Tharandt. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2007</b> , 59, 387-396	3.3	167
107	Quality control of CarboEurope flux data [Part 1: Coupling footprint analyses with flux data quality assessment to evaluate sites in forest ecosystems. <i>Biogeosciences</i> , <b>2008</b> , 5, 433-450	4.6	164
106	Quality analysis applied on eddy covariance measurements at complex forest sites using footprint modelling. <i>Theoretical and Applied Climatology</i> , <b>2005</b> , 80, 121-141	3	153
105	The energy balance experiment EBEX-2000. Part II: Intercomparison of eddy-covariance sensors and post-field data processing methods. <i>Boundary-Layer Meteorology</i> , <b>2007</b> , 123, 29-54	3.4	145
104	Energy partitioning between latent and sensible heat flux during the warm season at FLUXNET sites. <i>Water Resources Research</i> , <b>2002</b> , 38, 30-1-30-11	5.4	139
103	The uncertain climate footprint of wetlands under human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 4594-9	11.5	138
102	Phase and amplitude of ecosystem carbon release and uptake potentials as derived from FLUXNET measurements. <i>Agricultural and Forest Meteorology</i> , <b>2002</b> , 113, 75-95	5.8	136
101	The net biome production of full crop rotations in Europe. <i>Agriculture, Ecosystems and Environment</i> , <b>2010</b> , 139, 336-345	5.7	132
100	Above-ground woody carbon sequestration measured from tree rings is coherent with net ecosystem productivity at five eddy-covariance sites. <i>New Phytologist</i> , <b>2014</b> , 201, 1289-1303	9.8	126
99	Comparison of horizontal and vertical advective CO <sub>2</sub> fluxes at three forest sites. <i>Agricultural and Forest Meteorology</i> , <b>2008</b> , 148, 12-24	5.8	114
98	Direct advection measurements do not help to solve the night-time CO <sub>2</sub> closure problem: Evidence from three different forests. <i>Agricultural and Forest Meteorology</i> , <b>2010</b> , 150, 655-664	5.8	108
97	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR026058	5.4	98
96	Exceptional carbon uptake in European forests during the warm spring of 2007: a data-model analysis. <i>Global Change Biology</i> , <b>2009</b> , 15, 1455-1474	11.4	96
95	Land use regulates carbon budgets in eastern Germany: From NEE to NBP. <i>Agricultural and Forest Meteorology</i> , <b>2010</b> , 150, 1016-1025	5.8	88
94	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , <b>2012</b> , 194, 775-783	9.8	81
93	Comparison of surface energy exchange models with eddy flux data in forest and grassland ecosystems of Germany. <i>Ecological Modelling</i> , <b>2005</b> , 188, 174-216	3	78

92	Linking flux network measurements to continental scale simulations: ecosystem carbon dioxide exchange capacity under non-water-stressed conditions. <i>Global Change Biology</i> , <b>2007</b> , 13, 734-760	11.4	74
91	A satellite-based hybrid algorithm to determine the Priestley-Taylor parameter for global terrestrial latent heat flux estimation across multiple biomes. <i>Remote Sensing of Environment</i> , <b>2015</b> , 165, 216-233	13.2	71
90	Changes in temperature and precipitation extremes in Ethiopia, Kenya, and Tanzania. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 18-30	3.5	69
89	Relationships between canopy transpiration, atmospheric conditions and soil water availability Analyses of long-term sap-flow measurements in an old Norway spruce forest at the Ore Mountains/Germany. <i>Agricultural and Forest Meteorology</i> , <b>2011</b> , 151, 1023-1034	5.8	65
88	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 242, 55-74	5.8	64
87	Variability in carbon exchange of European croplands. <i>Agriculture, Ecosystems and Environment</i> , <b>2010</b> , 139, 325-335	5.7	63
86	Hydrologic regionalization using wavelet-based multiscale entropy method. <i>Journal of Hydrology</i> , <b>2016</b> , 538, 22-32	6	62
85	Evaluation of water-energy balance frameworks to predict the sensitivity of streamflow to climate change. <i>Hydrology and Earth System Sciences</i> , <b>2012</b> , 16, 1419-1433	5.5	61
84	Evaluation of multiple climate data sources for managing environmental resources in East Africa. <i>Hydrology and Earth System Sciences</i> , <b>2018</b> , 22, 4547-4564	5.5	61
83	Comparison of spatial interpolation methods for the estimation of precipitation distribution in Distrito Federal, Brazil. <i>Theoretical and Applied Climatology</i> , <b>2016</b> , 123, 335-348	3	58
82	Summer drought influence on CO <sub>2</sub> and water fluxes of extensively managed grassland in Germany. <i>Agriculture, Ecosystems and Environment</i> , <b>2011</b> , 141, 67-76	5.7	52
81	Management effects on European cropland respiration. <i>Agriculture, Ecosystems and Environment</i> , <b>2010</b> , 139, 346-362	5.7	51
80	Available energy and energy balance closure at four coniferous forest sites across Europe. <i>Theoretical and Applied Climatology</i> , <b>2009</b> , 98, 397-412	3	48
79	Soil water content measurements deliver reliable estimates of water fluxes: A comparative study in a beech and a spruce stand in the Tharandt forest (Saxony, Germany). <i>Agricultural and Forest Meteorology</i> , <b>2009</b> , 149, 1994-2006	5.8	47
78	Applying simple water-energy balance frameworks to predict the climate sensitivity of streamflow over the continental United States. <i>Hydrology and Earth System Sciences</i> , <b>2012</b> , 16, 2531-2546	5.5	46
77	Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 243, 9-18	5.8	43
76	Regional climate projections for impact assessment studies in East Africa. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 044031	6.2	41
75	Characterizing ecosystem-atmosphere interactions from short to interannual time scales. <i>Biogeosciences</i> , <b>2007</b> , 4, 743-758	4.6	39

74	Separating the effects of changes in land cover and climate: a hydro-meteorological analysis of the past 60 yr in Saxony, Germany. <i>Hydrology and Earth System Sciences</i> , <b>2014</b> , 18, 389-405	5.5	36
73	A novel approach in model-based mapping of soil water conditions at forest sites. <i>Forest Ecology and Management</i> , <b>2009</b> , 258, 2163-2174	3.9	36
72	The METCRAX II Field Experiment: A Study of Downslope Windstorm-Type Flows in Arizona's Meteor Crater. <i>Bulletin of the American Meteorological Society</i> , <b>2016</b> , 97, 217-235	6.1	35
71	Statistical analysis of regional climate trends in Saxony, Germany. <i>Climate Research</i> , <b>2004</b> , 27, 145-150	1.6	34
70	Large-Eddy Simulation of Inhomogeneous Canopy Flows Using High Resolution Terrestrial Laser Scanning Data. <i>Boundary-Layer Meteorology</i> , <b>2012</b> , 142, 223-243	3.4	33
69	ORCHIDEE-CROP (v0), a new process-based agro-land surface model: model description and evaluation over Europe. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 857-873	6.3	33
68	GIS-based regionalisation of radiation, temperature and coupling measures in complex terrain for low mountain ranges. <i>Meteorological Applications</i> , <b>2005</b> , 12, 33-42	2.1	32
67	ORCHIDEE-PEAT (revision 4596), a model for northern peatland CO <sub>2</sub> , water, and energy fluxes on daily to annual scales. <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 497-519	6.3	32
66	Large-Eddy Simulation Study of the Effects on Flow of a Heterogeneous Forest at Sub-Tree Resolution. <i>Boundary-Layer Meteorology</i> , <b>2015</b> , 154, 27-56	3.4	28
65	Effect of grazing intensity on evapotranspiration in the semiarid grasslands of Inner Mongolia, China. <i>Journal of Arid Environments</i> , <b>2012</b> , 83, 15-24	2.5	28
64	Comparison of satellite- and ground-based NDVI above different land-use types. <i>Theoretical and Applied Climatology</i> , <b>2009</b> , 98, 171-186	3	28
63	Long term variability of the annual hydrological regime and sensitivity to temperature phase shifts in Saxony/Germany. <i>Hydrology and Earth System Sciences</i> , <b>2011</b> , 15, 1819-1833	5.5	25
62	Impacts of projected change in climate on water balance in basins of East Africa. <i>Science of the Total Environment</i> , <b>2019</b> , 682, 160-170	10.2	23
61	Thermal adaptation of net ecosystem exchange. <i>Biogeosciences</i> , <b>2011</b> , 8, 1453-1463	4.6	23
60	Estimating forest evapotranspiration at a non-ideal site. <i>Agricultural and Forest Meteorology</i> , <b>1992</b> , 60, 17-32	5.8	22
59	Estimating the components of the sensible heat budget of a tall forest canopy in complex terrain. <i>Boundary-Layer Meteorology</i> , <b>2007</b> , 123, 99-120	3.4	21
58	How relevant is urban planning for the thermal comfort of pedestrians? Numerical case studies in two districts of the City of Dresden (Saxony/Germany). <i>Meteorologische Zeitschrift</i> , <b>2013</b> , 22, 739-751	3.1	20
57	Effects of measurement uncertainties of meteorological data on estimates of site water balance components. <i>Journal of Hydrology</i> , <b>2013</b> , 492, 176-189	6	19

56	Another Simple Method of Spectral Correction to Obtain Robust Eddy-Covariance Results. <i>Boundary-Layer Meteorology</i> , <b>2008</b> , 128, 403-422	3.4	19
55	Surface characteristics of grasslands in Inner Mongolia as detected by micrometeorological measurements. <i>International Journal of Biometeorology</i> , <b>2008</b> , 52, 563-74	3.7	19
54	Urban Rainfall Modification: Observational Climatology Over Berlin, Germany. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 731-746	4.4	18
53	Rainfall Space-Time Organization and Orographic Control on Flash Flood Response: The Weisseritz Event of August 13, 2002. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2013</b> , 18, 183-193	1.8	18
52	Altered energy partitioning across terrestrial ecosystems in the European drought year 2018. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 375, 20190524	5.8	18
51	Differences between two climatological periods (2001-2010 vs. 1971-2000) and trend analysis of temperature and precipitation in Central Brazil. <i>Theoretical and Applied Climatology</i> , <b>2014</b> , 116, 191-202 <sup>3</sup>		17
50	Constructing wind profiles in forests from limited measurements of wind and vegetation structure. <i>Agricultural and Forest Meteorology</i> , <b>2010</b> , 150, 724-735	5.8	17
49	Climate change impact assessment on the hydrology of a large river basin in Ethiopia using a local-scale climate modelling approach. <i>Science of the Total Environment</i> , <b>2020</b> , 742, 140504	10.2	17
48	Analysis of climate variability and droughts in East Africa using high-resolution climate data products. <i>Global and Planetary Change</i> , <b>2020</b> , 186, 103130	4.2	15
47	Carbon dioxide exchange processes over the grassland ecosystems in semiarid areas of China. <i>Science China Earth Sciences</i> , <b>2012</b> , 55, 644-655	4.6	15
46	Spatiotemporal variability of grassland vegetation cover in a catchment in Inner Mongolia, China, derived from MODIS data products. <i>Plant and Soil</i> , <b>2011</b> , 340, 181-198	4.2	15
45	Grazing intensity effects on the partitioning of evapotranspiration in the semiarid typical steppe ecosystems in Inner Mongolia. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 4130-4140	3.5	15
44	Trends in temperature and precipitation extremes in historical (1961-1990) and projected (2061-2090) periods in a data scarce mountain basin, northern Pakistan. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2020</b> , 34, 1441-1455	3.5	14
43	Simulating the Impact of Climate Change on the Hydrological Regimes of a Sparsely Gauged Mountainous Basin, Northern Pakistan. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2141	3	13
42	Assessment of GCM capabilities to simulate tropospheric stability on the Arabian Peninsula. <i>International Journal of Climatology</i> , <b>2015</b> , 35, 1682-1696	3.5	12
41	Circulation pattern based parameterization of a multiplicative random cascade for disaggregation of observed and projected daily rainfall time series. <i>Hydrology and Earth System Sciences</i> , <b>2013</b> , 17, 2487-2500	5.5	12
40	An approach to combine radar and gauge based rainfall data under consideration of their qualities in low mountain ranges of Saxony. <i>Natural Hazards and Earth System Sciences</i> , <b>2010</b> , 10, 429-446	3.9	11
39	Downscaling of CMIP5 Models Output by Using Statistical Models in a Data Scarce Mountain Environment (Mangla Dam Watershed), Northern Pakistan. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , <b>2019</b> , 55, 719-735	2.1	10

38	Exploring Eddy-Covariance Measurements Using a Spatial Approach: The Eddy Matrix. <i>Boundary-Layer Meteorology</i> , <b>2016</b> , 161, 1-17	3.4	10
37	Spatial precipitation and evapotranspiration in the typical steppe of Inner Mongolia, China: A model based approach using MODIS data. <i>Journal of Arid Environments</i> , <b>2013</b> , 88, 184-193	2.5	10
36	Testing different decoupling coefficients with measurements and models of contrasting canopies and soil water conditions. <i>Annales Geophysicae</i> , <b>2008</b> , 26, 1977-1992	2	10
35	Introducing Gradient Boosting as a universal gap filling tool for meteorological time series. <i>Meteorologische Zeitschrift</i> , <b>2018</b> , 27, 369-376	3.1	10
34	Effect of a coupled soil water-plant gas exchange on forest energy fluxes: Simulations with the coupled vegetation-boundary layer model HIRVAC. <i>Ecological Modelling</i> , <b>2008</b> , 214, 75-82	3	8
33	Evaluation the Performance of Several Gridded Precipitation Products over the Highland Region of Yemen for Water Resources Management. <i>Remote Sensing</i> , <b>2020</b> , 12, 2984	5	8
32	Simulating the net ecosystem CO <sub>2</sub> exchange and its components over winter wheat cultivation sites across a large climate gradient in Europe using the ORCHIDEE-STICS generic model. <i>Agriculture, Ecosystems and Environment</i> , <b>2016</b> , 226, 1-17	5.7	7
31	How to predict hydrological effects of local land use change: how the vegetation parameterisation for short rotation coppices influences model results. <i>Hydrology and Earth System Sciences</i> , <b>2015</b> , 19, 3457-3474	5.5	6
30	Non-turbulent fluxes of carbon dioxide and sensible heat: A comparison of three forested sites. <i>Agricultural and Forest Meteorology</i> , <b>2011</b> , 151, 692-708	5.8	6
29	Use of past precipitation data for regionalisation of hourly rainfall in the low mountain ranges of Saxony, Germany. <i>Natural Hazards and Earth System Sciences</i> , <b>2010</b> , 10, 353-370	3.9	6
28	Global BROOK90 R Package: An Automatic Framework to Simulate the Water Balance at Any Location. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2037	3	6
27	Extreme rainfall indices in Distrito Federal, Brazil: Trends and links with El Niño southern oscillation and Madden-Julian oscillation. <i>International Journal of Climatology</i> , <b>2018</b> , 38, 4550-4567	3.5	6
26	Extended predictor screening, application and added value of statistical downscaling of a CMIP5 ensemble for single-site projections in Distrito Federal, Brazil. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 46-65	3.5	5
25	Winter respiratory C losses provide explanatory power for net ecosystem productivity. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 243-260	3.7	5
24	Comparison of different approaches to fit log-normal mixtures on radar-derived precipitation data. <i>Meteorological Applications</i> , <b>2014</b> , 21, 743-754	2.1	5
23	Grazing effects on seasonal dynamics and interannual variabilities of spectral reflectance in semi-arid grassland in Inner Mongolia. <i>Plant and Soil</i> , <b>2011</b> , 340, 169-180	4.2	5
22	Uncovering the critical soil moisture thresholds of plant water stress for European ecosystems.. <i>Global Change Biology</i> , <b>2021</b> ,	11.4	5
21	Response of carbon dioxide exchange to grazing intensity over typical steppes in a semi-arid area of Inner Mongolia. <i>Theoretical and Applied Climatology</i> , <b>2017</b> , 128, 719-730	3	4

20	The TurbEFA Field Experiment Measuring the Influence of a Forest Clearing on the Turbulent Wind Field. <i>Boundary-Layer Meteorology</i> , <b>2016</b> , 160, 397-423	3.4	4
19	A method to adapt radar-derived precipitation fields for climatological applications. <i>Meteorological Applications</i> , <b>2015</b> , 22, 636-649	2.1	4
18	Detection of potential areas of changing climatic conditions at a regional scale until 2100 for Saxony, Germany. <i>Meteorology Hydrology and Water Management</i> , <b>2015</b> , 3, 17-26	2.2	4
17	Rainfall Threshold for Flash Flood Warning Based on Model Output of Soil Moisture: Case Study Wernersbach, Germany. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1061	3	4
16	An analysis of temporal scaling behaviour of extreme rainfall in Germany based on radar precipitation QPE data. <i>Natural Hazards and Earth System Sciences</i> , <b>2021</b> , 21, 1195-1207	3.9	3
15	Applicability of satellite-based rainfall algorithms for estimating flood-related rainfall events in the mid-latitudes. Part I: spatial integration. <i>Journal of Flood Risk Management</i> , <b>2011</b> , 4, 176-188	3.1	2
14	A Season of Eddy-Covariance Fluxes Above an Extensive Water Body Based on Observations from a Floating Platform. <i>Boundary-Layer Meteorology</i> , <b>2020</b> , 174, 433-464	3.4	2
13	Relative importance of climatic variables, soil properties and plant traits to spatial variability in net CO <sub>2</sub> exchange across global forests and grasslands. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 307, 108506	5.8	2
12	Assessment of Regional and Historical Climate Records for a Water Budget Approach in Eastern Colombia. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 42	3	1
11	Applicability of satellite-based rainfall algorithms for estimating flood-related rainfall events in the mid-latitudes. Part II: temporal integration. <i>Journal of Flood Risk Management</i> , <b>2012</b> , 5, 175-186	3.1	1
10	Characteristics of Momentum and Heat Transfer over Semiarid Grasslands with Different Grazing Intensities in Inner Mongolia, China. <i>Atmospheric and Oceanic Science Letters</i> , <b>2011</b> , 4, 264-269	1.4	1
9	Multivariate non-parametric Euclidean distance model for hourly disaggregation of daily climate data. <i>Theoretical and Applied Climatology</i> , <b>2021</b> , 143, 241-265	3	1
8	The Namib Turbulence Experiment: Investigating Surface Atmosphere Heat Transfer in Three Dimensions. <i>Bulletin of the American Meteorological Society</i> , <b>2022</b> , 103, E741-E760	6.1	1
7	Linking different drought types in a small catchment from a statistical perspective [Case study of the Wernersbach catchment, Germany. <i>Journal of Hydrology X</i> , <b>2022</b> , 15, 100122	4.6	0
6	Pseudo-Spatially-Distributed Modeling of Water Balance Components in the Free State of Saxony. <i>Hydrology</i> , <b>2020</b> , 7, 84	2.8	0
5	Climate change projections and extremes for Costa Rica using tailored predictors from CORDEX model output through statistical downscaling with artificial neural networks. <i>International Journal of Climatology</i> , <b>2021</b> , 41, 211-232	3.5	0
4	Energy balance closure and advective fluxes at ADVEX sites. <i>Theoretical and Applied Climatology</i> , <b>2021</b> , 143, 761-779	3	0
3	Assessment of TOPKAPI-X Applicability for Flood Events Simulation in Two Small Catchments in Saxony. <i>Hydrology</i> , <b>2021</b> , 8, 109	2.8	0

- 2 REAL-Fog part 2: A novel approach to calculate high resoluted spatio-temporal fog deposition: A daily fog deposition data set for entire Germany for 1949-2018. *Journal of Hydrology*, **2021**, 599, 126360 <sup>6</sup> ○
- 1 Traceflux: a small-scale tracer experiment at a forested site. *International Journal of Environment and Pollution*, **2005**, 25, 25 ○.7