

Christian Bernhofer

List of Publications by Year in descending order

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131
papers

20,483
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36303

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times ranked

13801
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#	ARTICLE	IF	CITATIONS
1	On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. <i>Global Change Biology</i> , 2005, 11, 1424-1439.	9.5	2,778
2	Energy balance closure at FLUXNET sites. <i>Agricultural and Forest Meteorology</i> , 2002, 113, 223-243.	4.8	1,877
3	Gap filling strategies for defensible annual sums of net ecosystem exchange. <i>Agricultural and Forest Meteorology</i> , 2001, 107, 43-69.	4.8	1,579
4	Respiration as the main determinant of carbon balance in European forests. <i>Nature</i> , 2000, 404, 861-865.	27.8	1,438
5	Towards a standardized processing of Net Ecosystem Exchange measured with eddy covariance technique: algorithms and uncertainty estimation. <i>Biogeosciences</i> , 2006, 3, 571-583.	3.3	1,206
6	CO ₂ balance of boreal, temperate, and tropical forests derived from a global database. <i>Global Change Biology</i> , 2007, 13, 2509-2537.	9.5	863
7	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	5.3	646
8	Seasonality of ecosystem respiration and gross primary production as derived from FLUXNET measurements. <i>Agricultural and Forest Meteorology</i> , 2002, 113, 53-74.	4.8	606
9	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> , 2007, 143, 189-207.	4.8	547
10	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> , 2007, 143, 123-145.	4.8	509
11	Gap filling strategies for long term energy flux data sets. <i>Agricultural and Forest Meteorology</i> , 2001, 107, 71-77.	4.8	493
12	Contrasting response of European forest and grassland energy exchange to heatwaves. <i>Nature Geoscience</i> , 2010, 3, 722-727.	12.9	491
13	A data-driven analysis of energy balance closure across FLUXNET research sites: The role of landscape scale heterogeneity. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 137-152.	4.8	424
14	Dissolved carbon leaching from soil is a crucial component of the net ecosystem carbon balance. <i>Global Change Biology</i> , 2011, 17, 1167-1185.	9.5	374
15	BUBBLE – an Urban Boundary Layer Meteorology Project. <i>Theoretical and Applied Climatology</i> , 2005, 81, 231-261.	2.8	326
16	Partitioning European grassland net ecosystem CO ₂ exchange into gross primary productivity and ecosystem respiration using light response function analysis. <i>Agriculture, Ecosystems and Environment</i> , 2007, 121, 93-120.	5.3	305
17	The Energy Balance Experiment EBEX-2000. Part I: overview and energy balance. <i>Boundary-Layer Meteorology</i> , 2007, 123, 1-28.	2.3	282
18	Evapotranspiration amplifies European summer drought. <i>Geophysical Research Letters</i> , 2013, 40, 2071-2075.	4.0	264

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19	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> , 2012, 48, .	4.2	254
20	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. <i>Water Resources Research</i> , 2020, 56, e2019WR026058.	4.2	220
21	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> , 2007, 59, 387-396.	1.6	193
22	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> , 2008, 5, 433-450.	3.3	192
23	Quality analysis applied on eddy covariance measurements at complex forest sites using footprint modelling. <i>Theoretical and Applied Climatology</i> , 2005, 80, 121-141.	2.8	173
24	The uncertain climate footprint of wetlands under human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4594-4599.	7.1	171
25	Energy partitioning between latent and sensible heat flux during the warm season at FLUXNET sites. <i>Water Resources Research</i> , 2002, 38, 30-1-30-11.	4.2	169
26	The energy balance experiment EBEX-2000. Part II: Intercomparison of eddy-covariance sensors and post-field data processing methods. <i>Boundary-Layer Meteorology</i> , 2007, 123, 29-54.	2.3	166
27	The net biome production of full crop rotations in Europe. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 336-345.	5.3	152
28	Above-ground woody carbon sequestration measured from tree rings is coherent with net ecosystem productivity at five eddy-covariance sites. <i>New Phytologist</i> , 2014, 201, 1289-1303.	7.3	152
29	Phase and amplitude of ecosystem carbon release and uptake potentials as derived from FLUXNET measurements. <i>Agricultural and Forest Meteorology</i> , 2002, 113, 75-95.	4.8	145
30	Comparison of horizontal and vertical advective CO ₂ fluxes at three forest sites. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 12-24.	4.8	136
31	Direct advection measurements do not help to solve the night-time CO ₂ closure problem: Evidence from three different forests. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 655-664.	4.8	126
32	Changes in temperature and precipitation extremes in Ethiopia, Kenya, and Tanzania. <i>International Journal of Climatology</i> , 2019, 39, 18-30.	3.5	124
33	Land use regulates carbon budgets in eastern Germany: From NEE to NBP. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 1016-1025.	4.8	117
34	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , 2012, 194, 775-783.	7.3	111
35	Exceptional carbon uptake in European forests during the warm spring of 2007: a data-model analysis. <i>Global Change Biology</i> , 2009, 15, 1455-1474.	9.5	110
36	Evaluation of multiple climate data sources for managing environmental resources in East Africa. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4547-4564.	4.9	101

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37	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. <i>Agricultural and Forest Meteorology</i> , 2017, 242, 55-74.	4.8	96
38	Comparison of spatial interpolation methods for the estimation of precipitation distribution in Distrito Federal, Brazil. <i>Theoretical and Applied Climatology</i> , 2016, 123, 335-348.	2.8	94
39	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> , 2015, 165, 216-233.	11.0	92
40	Comparison of surface energy exchange models with eddy flux data in forest and grassland ecosystems of Germany. <i>Ecological Modelling</i> , 2005, 188, 174-216.	2.5	86
41	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> , 2011, 151, 1023-1034.	4.8	86
42	Hydrologic regionalization using wavelet-based multiscale entropy method. <i>Journal of Hydrology</i> , 2016, 538, 22-32.	5.4	86
43	Linking flux network measurements to continental scale simulations: ecosystem carbon dioxide exchange capacity under non-water-stressed conditions. <i>Global Change Biology</i> , 2007, 13, 734-760.	9.5	81
44	Evaluation of water-energy balance frameworks to predict the sensitivity of streamflow to climate change. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 1419-1433.	4.9	73
45	Variability in carbon exchange of European croplands. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 325-335.	5.3	71
46	Regional climate projections for impact assessment studies in East Africa. <i>Environmental Research Letters</i> , 2019, 14, 044031.	5.2	69
47	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> , 2017, 243, 9-18.	4.8	64
48	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> , 2009, 149, 1994-2006.	4.8	59
49	Available energy and energy balance closure at four coniferous forest sites across Europe. <i>Theoretical and Applied Climatology</i> , 2009, 98, 397-412.	2.8	58
50	Management effects on European cropland respiration. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 346-362.	5.3	58
51	Summer drought influence on CO ₂ and water fluxes of extensively managed grassland in Germany. <i>Agriculture, Ecosystems and Environment</i> , 2011, 141, 67-76.	5.3	58
52	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> , 2012, 16, 2531-2546.	4.9	53
53	ORCHIDEE-CROP (v0), a new process-based agro-land surface model: model description and evaluation over Europe. <i>Geoscientific Model Development</i> , 2016, 9, 857-873.	3.6	51
54	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> , 2020, 742, 140504.	8.0	49

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55	A novel approach in model-based mapping of soil water conditions at forest sites. <i>Forest Ecology and Management</i> , 2009, 258, 2163-2174.	3.2	45
56	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> , 2014, 18, 389-405.	4.9	43
57	ORCHIDEE-PEAT (revision 4596), a model for northern peatland CO ₂ , water, and energy fluxes on daily to annual scales. <i>Geoscientific Model Development</i> , 2018, 11, 497-519.	3.6	43
58	Characterizing ecosystem-atmosphere interactions from short to interannual time scales. <i>Biogeosciences</i> , 2007, 4, 743-758.	3.3	42
59	Statistical analysis of regional climate trends in Saxony, Germany. <i>Climate Research</i> , 2004, 27, 145-150.	1.1	40
60	Large-Eddy Simulation of Inhomogeneous Canopy Flows Using High Resolution Terrestrial Laser Scanning Data. <i>Boundary-Layer Meteorology</i> , 2012, 142, 223-243.	2.3	39
61	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> , 2016, 97, 217-235.	3.3	39
62	Urban Rainfall Modification: Observational Climatology Over Berlin, Germany. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 731-746.	3.3	39
63	Analysis of climate variability and droughts in East Africa using high-resolution climate data products. <i>Global and Planetary Change</i> , 2020, 186, 103130.	3.5	38
64	GIS-based regionalisation of radiation, temperature and coupling measures in complex terrain for low mountain ranges. <i>Meteorological Applications</i> , 2005, 12, 33-42.	2.1	36
65	Comparison of satellite- and ground-based NDVI above different land-use types. <i>Theoretical and Applied Climatology</i> , 2009, 98, 171-186.	2.8	36
66	Impacts of projected change in climate on water balance in basins of East Africa. <i>Science of the Total Environment</i> , 2019, 682, 160-170.	8.0	35
67	Altered energy partitioning across terrestrial ecosystems in the European drought year 2018. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190524.	4.0	35
68	Effect of grazing intensity on evapotranspiration in the semiarid grasslands of Inner Mongolia, China. <i>Journal of Arid Environments</i> , 2012, 83, 15-24.	2.4	34
69	Large-Eddy Simulation Study of the Effects on Flow of a Heterogeneous Forest at Sub-Tree Resolution. <i>Boundary-Layer Meteorology</i> , 2015, 154, 27-56.	2.3	32
70	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> , 2020, 34, 1441-1455.	4.0	32
71	Thermal adaptation of net ecosystem exchange. <i>Biogeosciences</i> , 2011, 8, 1453-1463.	3.3	30
72	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> , 2013, 22, 739-751.	1.0	28

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73	Estimating forest evapotranspiration at a non-ideal site. <i>Agricultural and Forest Meteorology</i> , 1992, 60, 17-32.	4.8	27
74	Long term variability of the annual hydrological regime and sensitivity to temperature phase shifts in Saxony/Germany. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 1819-1833.	4.9	27
75	Estimating the components of the sensible heat budget of a tall forest canopy in complex terrain. <i>Boundary-Layer Meteorology</i> , 2007, 123, 99-120.	2.3	24
76	Effects of measurement uncertainties of meteorological data on estimates of site water balance components. <i>Journal of Hydrology</i> , 2013, 492, 176-189.	5.4	24
77	Constructing wind profiles in forests from limited measurements of wind and vegetation structure. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 724-735.	4.8	23
78	Uncovering the critical soil moisture thresholds of plant water stress for European ecosystems. <i>Global Change Biology</i> , 2022, 28, 2111-2123.	9.5	23
79	Simulating the Impact of Climate Change on the Hydrological Regimes of a Sparsely Gauged Mountainous Basin, Northern Pakistan. <i>Water (Switzerland)</i> , 2019, 11, 2141.	2.7	22
80	Another Simple Method of Spectral Correction to Obtain Robust Eddy-Covariance Results. <i>Boundary-Layer Meteorology</i> , 2008, 128, 403-422.	2.3	20
81	Spatiotemporal variability of grassland vegetation cover in a catchment in Inner Mongolia, China, derived from MODIS data products. <i>Plant and Soil</i> , 2011, 340, 181-198.	3.7	20
82	Introducing Gradient Boosting as a universal gap filling tool for meteorological time series. <i>Meteorologische Zeitschrift</i> , 2018, 27, 369-376.	1.0	20
83	Surface characteristics of grasslands in Inner Mongolia as detected by micrometeorological measurements. <i>International Journal of Biometeorology</i> , 2008, 52, 563-574.	3.0	19
84	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> , 2014, 116, 191-202.	2.8	19
85	Evaluation the Performance of Several Gridded Precipitation Products over the Highland Region of Yemen for Water Resources Management. <i>Remote Sensing</i> , 2020, 12, 2984.	4.0	19
86	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> , 2013, 18, 183-193.	1.9	18
87	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> , 2013, 17, 2487-2500.	4.9	18
88	Grazing intensity effects on the partitioning of evapotranspiration in the semiarid typical steppe ecosystems in Inner Mongolia. <i>International Journal of Climatology</i> , 2016, 36, 4130-4140.	3.5	18
89	Carbon dioxide exchange processes over the grassland ecosystems in semiarid areas of China. <i>Science China Earth Sciences</i> , 2012, 55, 644-655.	5.2	16
90	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> , 2019, 55, 719-735.	2.3	15

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91	Editorial: Progress in urban climate. <i>Theoretical and Applied Climatology</i> , 2006, 84, 1-2.	2.8	14
92	Exploring Eddy-Covariance Measurements Using a Spatial Approach: The Eddy Matrix. <i>Boundary-Layer Meteorology</i> , 2016, 161, 1-17.	2.3	13
93	Relative importance of climatic variables, soil properties and plant traits to spatial variability in net CO ₂ exchange across global forests and grasslands. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108506.	4.8	13
94	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> , 2010, 10, 429-446.	3.6	13
95	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> , 2008, 214, 75-82.	2.5	12
96	Assessment of GCM capabilities to simulate tropospheric stability on the Arabian Peninsula. <i>International Journal of Climatology</i> , 2015, 35, 1682-1696.	3.5	12
97	Testing different decoupling coefficients with measurements and models of contrasting canopies and soil water conditions. <i>Annales Geophysicae</i> , 2008, 26, 1977-1992.	1.6	11
98	Simulating the net ecosystem CO ₂ 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> , 2016, 226, 1-17.	5.3	11
99	Global BROOK90 R Package: An Automatic Framework to Simulate the Water Balance at Any Location. <i>Water (Switzerland)</i> , 2020, 12, 2037.	2.7	11
100	Climate change projections and extremes for Costa Rica using tailored predictors from <sc>CORDEX</sc> model output through statistical downscaling with artificial neural networks. <i>International Journal of Climatology</i> , 2021, 41, 211-232.	3.5	11
101	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> , 2013, 88, 184-193.	2.4	10
102	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> , 2017, 37, 46-65.	3.5	10
103	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> , 2021, 21, 1195-1207.	3.6	10
104	Rainfall Threshold for Flash Flood Warning Based on Model Output of Soil Moisture: Case Study Wernersbach, Germany. <i>Water (Switzerland)</i> , 2021, 13, 1061.	2.7	10
105	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> , 2010, 10, 353-370.	3.6	9
106	A method to adapt radar-derived precipitation fields for climatological applications. <i>Meteorological Applications</i> , 2015, 22, 636-649.	2.1	9
107	Grazing effects on seasonal dynamics and interannual variabilities of spectral reflectance in semi-arid grassland in Inner Mongolia. <i>Plant and Soil</i> , 2011, 340, 169-180.	3.7	8
108	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> , 2017, 128, 719-730.	2.8	8

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109	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> , 2018, 38, 4550-4567.	3.5	8
110	Comparison of different approaches to fit log-normal mixtures on radar-derived precipitation data. <i>Meteorological Applications</i> , 2014, 21, 743-754.	2.1	7
111	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> , 2015, 19, 3457-3474.	4.9	7
112	Winter respiratory C losses provide explanatory power for net ecosystem productivity. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 243-260.	3.0	7
113	Non-turbulent fluxes of carbon dioxide and sensible heat – A comparison of three forested sites. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 692-708.	4.8	6
114	The TurbEFA Field Experiment – Measuring the Influence of a Forest Clearing on the Turbulent Wind Field. <i>Boundary-Layer Meteorology</i> , 2016, 160, 397-423.	2.3	6
115	A Season of Eddy-Covariance Fluxes Above an Extensive Water Body Based on Observations from a Floating Platform. <i>Boundary-Layer Meteorology</i> , 2020, 174, 433-464.	2.3	5
116	Detection of potential areas of changing climatic conditions at a regional scale until 2100 for Saxony, Germany. <i>Meteorology Hydrology and Water Management</i> , 2015, 3, 17-26.	0.4	5
117	Multivariate non-parametric Euclidean distance model for hourly disaggregation of daily climate data. <i>Theoretical and Applied Climatology</i> , 2021, 143, 241-265.	2.8	4
118	Modelling evaporation with local, regional and global BROOK90 frameworks: importance of parameterization and forcing. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 3177-3239.	4.9	4
119	Energy balance closure and advective fluxes at ADVEX sites. <i>Theoretical and Applied Climatology</i> , 2021, 143, 761-779.	2.8	3
120	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> , 2011, 4, 176-188.	3.3	2
121	Assessment of Regional and Historical Climate Records for a Water Budget Approach in Eastern Colombia. <i>Water (Switzerland)</i> , 2020, 12, 42.	2.7	2
122	Assessment of TOPKAPI-X Applicability for Flood Events Simulation in Two Small Catchments in Saxony. <i>Hydrology</i> , 2021, 8, 109.	3.0	2
123	REAL-Fog part 2: A novel approach to calculate high resolved spatio-temporal fog deposition: A daily fog deposition data set for entire Germany for 1949 – 2018. <i>Journal of Hydrology</i> , 2021, 599, 126360.	5.4	2
124	Characteristics of Momentum and Heat Transfer over Semiarid Grasslands with Different Grazing Intensities in Inner Mongolia, China. <i>Atmospheric and Oceanic Science Letters</i> , 2011, 4, 264-269.	1.3	1
125	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> , 2012, 5, 175-186.	3.3	1
126	Pseudo-Spatially-Distributed Modeling of Water Balance Components in the Free State of Saxony. <i>Hydrology</i> , 2020, 7, 84.	3.0	1

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127	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> , 2022, 15, 100122.	1.6	1
128	The Namib Turbulence Experiment: Investigating Surface–Atmosphere Heat Transfer in Three Dimensions. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E741-E760.	3.3	1
129	Special issue on biometeorology. <i>Meteorologische Zeitschrift</i> , 2005, 14, 103-106.	1.0	0
130	Traceflux: a small-scale tracer experiment at a forested site. <i>International Journal of Environment and Pollution</i> , 2005, 25, 25.	0.2	0
131	Der Einfluss der optischen Tiefe von Wolken auf die langwellige Ausstrahlung eines Fichtenbestandes für verschiedene Wolkentypen. <i>Meteorologische Zeitschrift</i> , 1999, 8, 22-27.	1.0	0