

# Uwe Haberlandt

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,522  
citations

331538

21  
h-index

254106

43  
g-index

55  
all docs

55  
docs citations

55  
times ranked

3366  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving radar-based rainfall nowcasting by a nearest-neighbour approach – Part 1: Storm characteristics. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 1631-1658.	1.9	1
2	Impact-Based Forecasting for Pluvial Floods. <i>Earth's Future</i> , 2021, 9, 2020EF001851.	2.4	20
3	Relevance of merging radar and rainfall gauge data for rainfall nowcasting in urban hydrology. <i>Journal of Hydrology</i> , 2021, 594, 125931.	2.3	15
4	Comprehensive evaluation of an improved large-scale multi-site weather generator for Germany. <i>International Journal of Climatology</i> , 2021, 41, 4933-4956.	1.5	8
5	Daily vs. hourly simulation for estimating future flood peaks in mesoscale catchments. <i>Hydrology Research</i> , 2021, 52, 821-833.	1.1	7
6	Causative classification of river flood events. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1353.	2.8	86
7	Statistical approaches for identification of low-flow drivers: temporal aspects. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 447-463.	1.9	8
8	Temporal rainfall disaggregation using a multiplicative cascade model for spatial application in urban hydrology. <i>Journal of Hydrology</i> , 2018, 556, 847-864.	2.3	79
9	Spatial interpolation of climate variables in Northern Germany – Influence of temporal resolution and network density. <i>Journal of Hydrology: Regional Studies</i> , 2018, 15, 184-202.	1.0	58
10	Spatio-Temporal Synthesis of Continuous Precipitation Series Using Vine Copulas. <i>Water (Switzerland)</i> , 2018, 10, 862.	1.2	7
11	Short time step continuous rainfall modeling and simulation of extreme events. <i>Journal of Hydrology</i> , 2017, 552, 182-197.	2.3	18
12	Evaluation of an ensemble of regional hydrological models in 12 large-scale river basins worldwide. <i>Climatic Change</i> , 2017, 141, 381-397.	1.7	76
13	Estimation of instantaneous peak flow from maximum mean daily flow by regionalization of catchment model parameters. <i>Hydrological Processes</i> , 2017, 31, 612-626.	1.1	6
14	Hochwasser und Sturzfluten an Flüssen in Deutschland. , 2017, , 87-101.		4
15	Areal rainfall estimation using moving cars – computer experiments including hydrological modeling. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3907-3922.	1.9	22
16	Estimation of instantaneous peak flows from maximum mean daily flows using the HBV hydrological model. <i>Hydrological Processes</i> , 2016, 30, 1431-1448.	1.1	15
17	A fuzzy rule based metamodel for monthly catchment nitrate fate simulations. <i>Journal of Hydrology</i> , 2015, 531, 863-876.	2.3	5
18	Estimation of the instantaneous peak flow from maximum daily flow: a comparison of three methods. <i>Hydrology Research</i> , 2015, 46, 671-688.	1.1	12

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19	Non-stationary hydrological model parameters: a framework based on SOM-B. Hydrological Processes, 2015, 29, 3145-3161.	1.1	21
20	Statistical downscaling of precipitation using a stochastic rainfall model conditioned on circulation patterns – an evaluation of assumptions. International Journal of Climatology, 2015, 35, 417-432.	1.5	20
21	Applying bias correction for merging rain gauge and radar data. Journal of Hydrology, 2015, 522, 544-557.	2.3	49
22	Temporal Rainfall Disaggregation with a Cascade Model: From Single-Station Disaggregation to Spatial Rainfall. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	29
23	Hydrological model calibration for derived flood frequency analysis using stochastic rainfall and probability distributions of peak flows. Hydrology and Earth System Sciences, 2014, 18, 353-365.	1.9	59
24	Dam risk assessment based on univariate versus bivariate statistical approaches: a case study for Argentina. Hydrological Sciences Journal, 2014, 59, 2216-2232.	1.2	15
25	Geostatistical merging of rain gauge and radar data for high temporal resolutions and various station density scenarios. Journal of Hydrology, 2014, 508, 88-101.	2.3	108
26	A one-step similarity approach for the regionalization of hydrological model parameters based on Self-Organizing Maps. Journal of Hydrology, 2013, 494, 59-71.	2.3	40
27	Rainfall Estimation with a Geosensor Network of Cars - Theoretical Considerations and First Results. Photogrammetrie, Fernerkundung, Geoinformation, 2013, 2013, 93-103.	1.2	7
28	Rainfall estimation using moving cars as rain gauges – laboratory experiments. Hydrology and Earth System Sciences, 2013, 17, 4701-4712.	1.9	46
29	Spatial interpolation of hourly rainfall – effect of additional information, variogram inference and storm properties. Hydrology and Earth System Sciences, 2011, 15, 569-584.	1.9	84
30	Interpolation of Precipitation for Flood Modelling. , 2011, , 35-52.		1
31	Rainfall Generators for Application in Flood Studies. , 2011, , 117-147.		19
32	Areal rainfall estimation using moving cars as rain gauges – a modelling study. Hydrology and Earth System Sciences, 2010, 14, 1139-1151.	1.9	43
33	A space-time hybrid hourly rainfall model for derived flood frequency analysis. Hydrology and Earth System Sciences, 2008, 12, 1353-1367.	1.9	68
34	Geostatistical interpolation of hourly precipitation from rain gauges and radar for a large-scale extreme rainfall event. Journal of Hydrology, 2007, 332, 144-157.	2.3	291
35	Terrestrial vegetation and water balance – hydrological evaluation of a dynamic global vegetation model. Journal of Hydrology, 2004, 286, 249-270.	2.3	783
36	Automatic fuzzy-rule assessment and its application to the modelling of nitrogen leaching for large regions. Soft Computing, 2003, 7, 370-385.	2.1	19

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37	Impact of land use changes on water dynamics – a case study in temperate meso and macroscale river basins. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 619-629.	1.2	87
38	Assessment of nitrogen leaching from arable land in large river basins. <i>Ecological Modelling</i> , 2002, 150, 255-275.	1.2	35
39	Assessment of nitrogen leaching from arable land in large river basins. <i>Ecological Modelling</i> , 2002, 150, 277-294.	1.2	25
40	Regionalisation of the base flow index from dynamically simulated flow components – a case study in the Elbe River Basin. <i>Journal of Hydrology</i> , 2001, 248, 35-53.	2.3	73
41	Atmospheric model data for macroscale hydrology. <i>Journal of Hydrology</i> , 1999, 217, 303-313.	2.3	33
42	Estimation of daily space-time precipitation series for macroscale hydrological modelling. <i>Hydrological Processes</i> , 1998, 12, 1419-1432.	1.1	41
43	Precipitation Data Requirements for Urban Hydrology. <i>Water International</i> , 1998, 23, 60-66.	0.4	1
44	Stochastic Rainfall Synthesis Using Regionalized Model Parameters. <i>Journal of Hydrologic Engineering - ASCE</i> , 1998, 3, 160-168.	0.8	22
45	12 Terrestrial carbon and water fluxes. , 0, , 1-20.		1
46	From hydrological modelling to decision support. <i>Advances in Geosciences</i> , 0, 27, 11-19.	12.0	12
47	Influence of spatial interpolation methods for climate variables on the simulation of discharge and nitrate fate with SWAT. <i>Advances in Geosciences</i> , 0, 27, 91-98.	12.0	6
48	Evaluation of different calibration strategies for large scale continuous hydrological modelling. <i>Advances in Geosciences</i> , 0, 31, 67-74.	12.0	26
49	The value of weather radar data for the estimation of design storms – an analysis for the Hannover region. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 373, 81-85.	1.0	2
50	Stochastic precipitation modeling using circulation patterns to analyze climate impact on floods. <i>Advances in Geosciences</i> , 0, 32, 93-97.	12.0	0