Uwe Haberlandt

List of Publications by Year
in descending order

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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	Terrestrial vegetation and water balanceâ€"hydrological evaluation of a dynamic global vegetation model. Journal of Hydrology, 2004, 286, 249-270.	2.3	783
2	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
3	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
4	Impact of land use changes on water dynamicsâ€"â€"a case study in temperate meso and macroscale river basins. Physics and Chemistry of the Earth, 2002, 27, 619-629.	1.2	87
5	Causative classification of river flood events. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1353.	2.8	86
6	Spatial interpolation of hourly rainfall â€" effect of additional information, variogram inference and storm properties. Hydrology and Earth System Sciences, 2011, 15, 569-584.	1.9	84
7	Temporal rainfall disaggregation using a multiplicative cascade model for spatial application in urban hydrology. Journal of Hydrology, 2018, 556, 847-864.	2.3	79
8	Evaluation of an ensemble of regional hydrological models in 12 large-scale river basins worldwide. Climatic Change, 2017, 141, 381-397.	1.7	76
9	Regionalisation of the base flow index from dynamically simulated flow components â€" a case study in the Elbe River Basin. Journal of Hydrology, 2001, 248, 35-53.	2.3	73
10	A space-time hybrid hourly rainfall model for derived flood frequency analysis. Hydrology and Earth System Sciences, 2008, 12, 1353-1367.	1.9	68
11	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
12	Spatial interpolation of climate variables in Northern Germanyâ€"Influence of temporal resolution and network density. Journal of Hydrology: Regional Studies, 2018, 15, 184-202.	1.0	58
13	Applying bias correction for merging rain gauge and radar data. Journal of Hydrology, 2015, 522, 544-557.	2.3	49
14	Rainfall estimation using moving cars as rain gauges â€" laboratory experiments. Hydrology and Earth System Sciences, 2013, 17, 4701-4712.	1.9	46
15	Areal rainfall estimation using moving cars as rain gauges â€" a modelling study. Hydrology and Earth System Sciences, 2010, 14, 1139-1151.	1.9	43
16	Estimation of daily spaceâ€"time precipitation series for macroscale hydrological modelling. Hydrological Processes, 1998, 12, 1419-1432.	1.1	41
17	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
18	Assessment of nitrogen leaching from arable land in large river basins. Ecological Modelling, 2002, 150, 255-275.	1.2	35

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19	Atmospheric model data for macroscale hydrology. Journal of Hydrology, 1999, 217, 303-313.	2.3	33
20	Temporal Rainfall Disaggregation with a Cascade Model: From Single-Station Disaggregation to Spatial Rainfall. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	29
21	Evaluation of different calibration strategies for large scale continuous hydrological modelling. Advances in Geosciences, 0, 31, 67-74.	12.0	26
22	Assessment of nitrogen leaching from arable land in large river basins. Ecological Modelling, 2002, 150, 277-294.	1.2	25
23	Stochastic Rainfall Synthesis Using Regionalized Model Parameters. Journal of Hydrologic Engineering - ASCE, 1998, 3, 160-168.	0.8	22
24	Areal rainfall estimation using moving cars â€“ computer experiments including hydrological modeling. Hydrology and Earth System Sciences, 2016, 20, 3907-3922.	1.9	22
25	Non-stationary hydrological model parameters: a framework based on SOM-B. Hydrological Processes, 2015, 29, 3145-3161.	1.1	21
26	Statistical downscaling of precipitation using a stochastic rainfall model conditioned on circulation patterns â€“ an evaluation of assumptions. International Journal of Climatology, 2015, 35, 417-432.	1.5	20
27	Impactâ€Based Forecasting for Pluvial Floods. Earth's Future, 2021, 9, 2020EF001851.	2.4	20
28	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
29	Rainfall Generators for Application in Flood Studies. , 2011, , 117-147.		19
30	Short time step continuous rainfall modeling and simulation of extreme events. Journal of Hydrology, 2017, 552, 182-197.	2.3	18
31	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
32	Estimation of instantaneous peak flows from maximum mean daily flows using the HBV hydrological model. Hydrological Processes, 2016, 30, 1431-1448.	1.1	15
33	Relevance of merging radar and rainfall gauge data for rainfall nowcasting in urban hydrology. Journal of Hydrology, 2021, 594, 125931.	2.3	15
34	Estimation of the instantaneous peak flow from maximum daily flow: a comparison of three methods. Hydrology Research, 2015, 46, 671-688.	1.1	12
35	From hydrological modelling to decision support. Advances in Geosciences, 0, 27, 11-19.	12.0	12
36	Statistical approaches for identification of low-flow drivers: temporal aspects. Hydrology and Earth System Sciences, 2019, 23, 447-463.	1.9	8

#	Article	IF	Citations
37	Comprehensive evaluation of an improved largeâ€scale multiâ€site weather generator for Germany. International Journal of Climatology, 2021, 41, 4933-4956.	1.5	8
38	Rainfall Estimation with a Geosensor Network of Cars - Theoretical Considerations and First Results. Photogrammetrie, Fernerkundung, Geoinformation, 2013, 2013, 93-103.	1.2	7
39	Spatio-Temporal Synthesis of Continuous Precipitation Series Using Vine Copulas. Water (Switzerland), 2018, 10, 862.	1.2	7
40	Daily vs. hourly simulation for estimating future flood peaks in mesoscale catchments. Hydrology Research, 2021, 52, 821-833.	1.1	7
41	Estimation of instantaneous peak flow from maximum mean daily flow by regionalization of catchment model parameters. Hydrological Processes, 2017, 31, 612-626.	1.1	6
42	Influence of spatial interpolation methods for climate variables on the simulation of discharge and nitrate fate with SWAT. Advances in Geosciences, 0, 27, 91-98.	12.0	6
43	A fuzzy rule based metamodel for monthly catchment nitrate fate simulations. Journal of Hydrology, 2015, 531, 863-876.	2.3	5
44	Hochwasser und Sturzfluten an FlÃ¼ssen in Deutschland. , 2017, , 87-101.		4
45	The value of weather radar data for the estimation of design storms â€“ an analysis for the Hannover region. Proceedings of the International Association of Hydrological Sciences, 0, 373, 81-85.	1.0	2
46	Precipitation Data Requirements for Urban Hydrology. Water International, 1998, 23, 60-66.	0.4	1
47	12 Terrestrial carbon and water fluxes. , 0, , 1-20.		1
48	Interpolation of Precipitation for Flood Modelling. , 2011, , 35-52.		1
49	Improving radar-based rainfall nowcasting by a nearest-neighbour approach â€“ Part 1: Storm characteristics. Hydrology and Earth System Sciences, 2022, 26, 1631-1658.	1.9	1
50	Stochastic precipitation modeling using circulation patterns to analyze climate impact on floods. Advances in Geosciences, 0, 32, 93-97.	12.0	0