Uwe Haberlandt

List of Publications by Year
in descending order

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50	2,522	331670 21	254184 43
papers	citations	h-index	g-index

55	55	55	3366
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improving radar-based rainfall nowcasting by a nearest-neighbour approach â€“ Part 1: Storm characteristics. Hydrology and Earth System Sciences, 2022, 26, 1631-1658.	4.9	1
2	Impactâ€Based Forecasting for Pluvial Floods. Earth's Future, 2021, 9, 2020EF001851.	6.3	20
3	Relevance of merging radar and rainfall gauge data for rainfall nowcasting in urban hydrology. Journal of Hydrology, 2021, 594, 125931.	5.4	15
4	Comprehensive evaluation of an improved largeâ€scale multiâ€site weather generator for Germany. International Journal of Climatology, 2021, 41, 4933-4956.	3.5	8
5	Daily vs. hourly simulation for estimating future flood peaks in mesoscale catchments. Hydrology Research, 2021, 52, 821-833.	2.7	7
6	Causative classification of river flood events. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1353.	6.5	86
7	Statistical approaches for identification of low-flow drivers: temporal aspects. Hydrology and Earth System Sciences, 2019, 23, 447-463.	4.9	8
8	Temporal rainfall disaggregation using a multiplicative cascade model for spatial application in urban hydrology. Journal of Hydrology, 2018, 556, 847-864.	5.4	79
9	Spatial interpolation of climate variables in Northern Germanyâ€”Influence of temporal resolution and network density. Journal of Hydrology: Regional Studies, 2018, 15, 184-202.	2.4	58
10	Spatio-Temporal Synthesis of Continuous Precipitation Series Using Vine Copulas. Water (Switzerland), 2018, 10, 862.	2.7	7
11	Short time step continuous rainfall modeling and simulation of extreme events. Journal of Hydrology, 2017, 552, 182-197.	5.4	18
12	Evaluation of an ensemble of regional hydrological models in 12 large-scale river basins worldwide. Climatic Change, 2017, 141, 381-397.	3.6	76
13	Estimation of instantaneous peak flow from maximum mean daily flow by regionalization of catchment model parameters. Hydrological Processes, 2017, 31, 612-626.	2.6	6
14	Hochwasser und Sturzfluten an FlÃ¼ssen in Deutschland. , 2017, , 87-101.		4
15	Areal rainfall estimation using moving cars â€“ computer experiments including hydrological modeling. Hydrology and Earth System Sciences, 2016, 20, 3907-3922.	4.9	22
16	Estimation of instantaneous peak flows from maximum mean daily flows using the HBV hydrological model. Hydrological Processes, 2016, 30, 1431-1448.	2.6	15
17	A fuzzy rule based metamodel for monthly catchment nitrate fate simulations. Journal of Hydrology, 2015, 531, 863-876.	5.4	5
18	Estimation of the instantaneous peak flow from maximum daily flow: a comparison of three methods. Hydrology Research, 2015, 46, 671-688.	2.7	12

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19	Non-stationary hydrological model parameters: a framework based on SOM-B. Hydrological Processes, 2015, 29, 3145-3161.	2.6	21
20	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.	3.5	20
21	Applying bias correction for merging rain gauge and radar data. Journal of Hydrology, 2015, 522, 544-557.	5.4	49
22	Temporal Rainfall Disaggregation with a Cascade Model: From Single-Station Disaggregation to Spatial Rainfall. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	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.	4.9	59
24	Dam risk assessment based on univariate versus bivariate statistical approaches: a case study for Argentina. Hydrological Sciences Journal, 2014, 59, 2216-2232.	2.6	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.	5.4	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.	5.4	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 â€“ laboratory experiments. Hydrology and Earth System Sciences, 2013, 17, 4701-4712.	4.9	46
29	Spatial interpolation of hourly rainfall â€“ effect of additional information, variogram inference and storm properties. Hydrology and Earth System Sciences, 2011, 15, 569-584.	4.9	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 â€“ a modelling study. Hydrology and Earth System Sciences, 2010, 14, 1139-1151.	4.9	43
33	A space-time hybrid hourly rainfall model for derived flood frequency analysis. Hydrology and Earth System Sciences, 2008, 12, 1353-1367.	4.9	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.	5.4	291
35	Terrestrial vegetation and water balanceâ€"hydrological evaluation of a dynamic global vegetation model. Journal of Hydrology, 2004, 286, 249-270.	5.4	783
36	Automatic fuzzy-rule assessment and its application to the modelling of nitrogen leaching for large regions. Soft Computing, 2003, 7, 370-385.	3.6	19

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37	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.	2.9	87
38	Assessment of nitrogen leaching from arable land in large river basins. Ecological Modelling, 2002, 150, 255-275.	2.5	35
39	Assessment of nitrogen leaching from arable land in large river basins. Ecological Modelling, 2002, 150, 277-294.	2.5	25
40	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.	5.4	73
41	Atmospheric model data for macroscale hydrology. Journal of Hydrology, 1999, 217, 303-313.	5.4	33
42	Estimation of daily spaceâ€“time precipitation series for macroscale hydrological modelling. Hydrological Processes, 1998, 12, 1419-1432.	2.6	41
43	Precipitation Data Requirements for Urban Hydrology. Water International, 1998, 23, 60-66.	1.0	1
44	Stochastic Rainfall Synthesis Using Regionalized Model Parameters. Journal of Hydrologic Engineering - ASCE, 1998, 3, 160-168.	1.9	22
45	12 Terrestrial carbon and water fluxes. , 0, , 1-20.		1
46	From hydrological modelling to decision support. Advances in Geosciences, 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. Advances in Geosciences, 0, 27, 91-98.	12.0	6
48	Evaluation of different calibration strategies for large scale continuous hydrological modelling. Advances in Geosciences, 0, 31, 67-74.	12.0	26
49	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
50	Stochastic precipitation modeling using circulation patterns to analyze climate impact on floods. Advances in Geosciences, 0, 32, 93-97.	12.0	0