Matthias Zink

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9137278/publications.pdf

Version: 2024-02-01

24	1,799	430874 18	642732 23
papers	citations	h-index	g-index

38	38	38	2714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-model ensemble projections of European river floods and high flows at 1.5, 2, and 3 degrees global warming. Environmental Research Letters, 2018, 13, 014003.	5.2	104
2	Conditioning a Hydrologic Model Using Patterns of Remotely Sensed Land Surface Temperature. Water Resources Research, 2018, 54, 2976-2998.	4.2	61
3	Anthropogenic warming exacerbates European soil moisture droughts. Nature Climate Change, 2018, 8, 421-426.	18.8	439
4	Hydrometeorology of the Dhofar cloud forest and its implications for groundwater recharge. Journal of Hydrology: Regional Studies, 2018, 16, 54-66.	2.4	19
5	A National Scale Planning Tool for Agricultural Droughts in Germany. Advances in Chemical Pollution, Environmental Management and Protection, 2018, 3, 147-169.	0.5	3
6	HESS Opinions: Science in today's media landscape â€“ challenges and lessons from hydrologists and journalists. Hydrology and Earth System Sciences, 2018, 22, 3589-3599.	4.9	5
7	Improved regional-scale groundwater representation by the coupling of the mesoscale Hydrologic Model (mHM v5.7) to the groundwater model OpenGeoSys (OGS). Geoscientific Model Development, 2018, 11, 1989-2007.	3.6	18
8	Spatial Patterns of Water Age: Using Young Water Fractions to Improve the Characterization of Transit Times in Contrasting Catchments. Water Resources Research, 2018, 54, 4767-4784.	4.2	52
9	Climate change alters low flows in Europe under global warming of 1.5, 2, and 3â€Â°C. Hydrology and Earth System Sciences, 2018, 22, 1017-1032.	4.9	146
10	Exploring Controls on Rainfallâ€Runoff Events: 1. Time Seriesâ€Based Event Separation and Temporal Dynamics of Event Runoff Response in Germany. Water Resources Research, 2018, 54, 7711-7732.	4.2	75
11	A New Fully Distributed Model of Nitrate Transport and Removal at Catchment Scale. Water Resources Research, 2018, 54, 5856-5877.	4.2	39
12	The Bode hydrological observatory: a platform for integrated, interdisciplinary hydro-ecological research within the TERENO Harz/Central German Lowland Observatory. Environmental Earth Sciences, 2017, 76, 1.	2.7	93
13	Toward seamless hydrologic predictions across spatial scales. Hydrology and Earth System Sciences, 2017, 21, 4323-4346.	4.9	81
14	Spatially distributed characterization of soil-moisture dynamics using travel-time distributions. Hydrology and Earth System Sciences, 2017, 21, 549-570.	4.9	16
15	A high-resolution dataset of water fluxes and states for Germany accounting for parametric uncertainty. Hydrology and Earth System Sciences, 2017, 21, 1769-1790.	4.9	83
16	Effects of uncertainty in soil properties on simulated hydrological states and fluxes at different spatio-temporal scales. Hydrology and Earth System Sciences, 2017, 21, 2301-2320.	4.9	33
17	Wissenschaftliche Information fÃ¼r die Anwendung. , 2017, , 119-141.		1
18	The importance of topography-controlled sub-grid process heterogeneity and semi-quantitative prior constraints in distributed hydrological models. Hydrology and Earth System Sciences, 2016, 20, 1151-1176.	4.9	47

#	Article	IF	Citations
19	The German drought monitor. Environmental Research Letters, 2016, 11, 074002.	5.2	108
20	Discharge Driven Nitrogen Dynamics in a Mesoscale River Basin As Constrained by Stable Isotope Patterns. Environmental Science & Technology, 2016, 50, 9187-9196.	10.0	34
21	Multiscale and Multivariate Evaluation of Water Fluxes and States over European River Basins. Journal of Hydrometeorology, 2016, 17, 287-307.	1.9	120
22	Computationally inexpensive identification of noninformative model parameters by sequential screening. Water Resources Research, 2015, 51, 6417-6441.	4.2	54
23	Stochastic temporal disaggregation of monthly precipitation for regional gridded data sets. Water Resources Research, 2014, 50, 8714-8735.	4.2	20
24	Implications of Parameter Uncertainty on Soil Moisture Drought Analysis in Germany. Journal of Hydrometeorology, 2013, 14, 47-68.	1.9	130