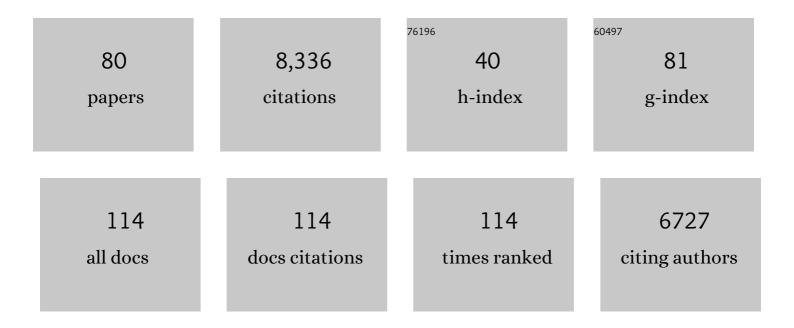
List of Publications by Year in descending order

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PALE MEDZ

#	Article	IF	CITATIONS
1	Reliable estimation of high floods: A method to select the most suitable ordinary distribution in the Metastatistical extreme value framework. Advances in Water Resources, 2022, 161, 104127.	1.7	7
2	Drivers of multi-decadal nitrate regime shifts in a large European catchment. Environmental Research Letters, 2022, 17, 064039.	2.2	8
3	Understanding Heavy Tails of Flood Peak Distributions. Water Resources Research, 2022, 58, .	1.7	23
4	PHEV! The PHysically-based Extreme Value distribution of river flows. Environmental Research Letters, 2021, 16, 124065.	2.2	10
5	Groundwater protection under water scarcity; from regional risk assessment to local wastewater treatment solutions in Jordan. Science of the Total Environment, 2020, 706, 136066.	3.9	28
6	Transformation of Generation Processes From Small Runoff Events to Large Floods. Geophysical Research Letters, 2020, 47, e2020GL090547.	1.5	19
7	Parameter's Controls of Distributed Catchment Models—How Much Information is in Conventional Catchment Descriptors?. Water Resources Research, 2020, 56, e2019WR026008.	1.7	17
8	A Processâ€Based Framework to Characterize and Classify Runoff Events: The Event Typology of Germany. Water Resources Research, 2020, 56, e2019WR026951.	1.7	37
9	The flood cooking book: ingredients and regional flavors of floods across Germany. Environmental Research Letters, 2020, 15, 114024.	2.2	12
10	Causative classification of river flood events. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1353.	2.8	86
11	Changing climate both increases and decreases European river floods. Nature, 2019, 573, 108-111.	13.7	639
12	Floods in Austria. , 2019, , 169-177.		18
13	Tomography of anthropogenic nitrate contribution along a mesoscale river. Science of the Total Environment, 2018, 615, 773-783.	3.9	14
14	Uncertainty of modelled flow regime for flow-ecological assessment in Southern Europe. Science of the Total Environment, 2018, 615, 1028-1047.	3.9	35
15	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.	1.7	52
16	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.	1.7	75
17	Exploring Controls on Rainfallâ€Runoff Events: 2. Regional Patterns and Spatial Controls of Event Characteristics in Germany. Water Resources Research, 2018, 54, 7688-7710.	1.7	29
18	Driver detection of water quality trends in three large European river basins. Science of the Total Environment, 2018, 612, 49-62.	3.9	126

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19	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.	1.3	93
20	Improving large-scale groundwater models by considering fossil gradients. Advances in Water Resources, 2017, 103, 32-43.	1.7	17
21	Changing climate shifts timing of European floods. Science, 2017, 357, 588-590.	6.0	584
22	Processâ€based interpretation of conceptual hydrological model performance using a multinational catchment set. Water Resources Research, 2017, 53, 7247-7268.	1.7	36
23	Bridging Glaciological and Hydrological Trends in the Pamir Mountains, Central Asia. Water (Switzerland), 2017, 9, 422.	1.2	11
24	The SCALEX Campaign: Scale-Crossing Land Surface and Boundary Layer Processes in the TERENO-preAlpine Observatory. Bulletin of the American Meteorological Society, 2017, 98, 1217-1234.	1.7	49
25	Hydroclimatic and water quality trends across three Mediterranean river basins. Science of the Total Environment, 2016, 571, 1392-1406.	3.9	68
26	Discharge Driven Nitrogen Dynamics in a Mesoscale River Basin As Constrained by Stable Isotope Patterns. Environmental Science & Technology, 2016, 50, 9187-9196.	4.6	34
27	Effects of input discretization, model complexity, and calibration strategy on model performance in a dataâ€scarce glacierized catchment in Central Ásia. Water Resources Research, 2016, 52, 4674-4699.	1.7	25
28	New perspectives on interdisciplinary earth science at the Dead Sea: The DESERVE project. Science of the Total Environment, 2016, 544, 1045-1058.	3.9	34
29	Estimating groundwater recharge for an arid karst system using a combined approach of time-lapse camera monitoring and water balance modelling. Hydrological Processes, 2016, 30, 771-782.	1.1	12
30	Regional nitrogen dynamics in the TERENO Bode River catchment, Germany, as constrained by stable isotope patterns. Isotopes in Environmental and Health Studies, 2016, 52, 61-74.	0.5	19
31	Dependence between flood peaks and volumes: a case study on climate and hydrological controls. Hydrological Sciences Journal, 2015, 60, 968-984.	1.2	67
32	Hydrology under change: an evaluation protocol to investigate how hydrological models deal with changing catchments. Hydrological Sciences Journal, 2015, 60, 1184-1199.	1.2	105
33	Groundwater evaporation from salt pans: Examples from the eastern Arabian Peninsula. Journal of Hydrology, 2015, 531, 792-801.	2.3	35
34	Managing the effects of multiple stressors on aquatic ecosystems under water scarcity. The GLOBAQUA project. Science of the Total Environment, 2015, 503-504, 3-9.	3.9	161
35	The role of station density for predicting daily runoff by top-kriging interpolation in Austria. Journal of Hydrology and Hydromechanics, 2015, 63, 228-234.	0.7	27
36	Floods and climate: emerging perspectives for flood risk assessment and management. Natural Hazards and Earth System Sciences, 2014, 14, 1921-1942.	1.5	239

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37	Understanding flood regime changes in Europe: a state-of-the-art assessment. Hydrology and Earth System Sciences, 2014, 18, 2735-2772.	1.9	423
38	How to identify groundwater-caused thermal anomalies in lakes based on multi-temporal satellite data in semi-arid regions. Hydrology and Earth System Sciences, 2014, 18, 2773-2787.	1.9	25
39	Modelling the hydrological impacts of rural land use change. Hydrology Research, 2014, 45, 737-754.	1.1	44
40	Combined uncertainty of hydrological model complexity and satellite-based forcing data evaluated in two data-scarce semi-arid catchments in Ethiopia. Journal of Hydrology, 2014, 519, 2049-2066.	2.3	40
41	Multi-response calibration of a conceptual hydrological model in the semiarid catchment of Wadi al Arab, Jordan. Journal of Hydrology, 2014, 509, 193-206.	2.3	31
42	Challenges to estimate surface- and groundwater flow in arid regions: The Dead Sea catchment. Science of the Total Environment, 2014, 485-486, 828-841.	3.9	28
43	Sensitivity analysis of SCHADEX extreme flood estimations to observed hydrometeorological variability. Water Resources Research, 2014, 50, 353-370.	1.7	17
44	Optimization of the geopotential heights information used in a rainfallâ€based weather patterns classification over Austria. International Journal of Climatology, 2013, 33, 1563-1573.	1.5	12
45	Localisation and temporal variability of groundwater discharge into the Dead Sea using thermal satellite data. Environmental Earth Sciences, 2013, 69, 587-603.	1.3	33
46	Application of the water balance model J2000 to estimate groundwater recharge in a semi-arid environment: a case study in the Zarqa River catchment, NW-Jordan. Environmental Earth Sciences, 2013, 69, 605-615.	1.3	17
47	Flood frequency hydrology: 3. A Bayesian analysis. Water Resources Research, 2013, 49, 675-692.	1.7	137
48	Stable isotopes in river waters in the Tajik Pamirs: regional and temporal characteristics. Isotopes in Environmental and Health Studies, 2013, 49, 542-554.	0.5	22
49	Extreme rainstorms: Comparing regional envelope curves to stochastically generated events. Water Resources Research, 2012, 48, .	1.7	23
50	Step changes in the flood frequency curve: Process controls. Water Resources Research, 2012, 48, .	1.7	63
51	Flood timescales: Understanding the interplay of climate and catchment processes through comparative hydrology. Water Resources Research, 2012, 48, .	1.7	156
52	Runoff models and flood frequency statistics for design flood estimation in Austria – Do they tell a consistent story?. Journal of Hydrology, 2012, 456-457, 30-43.	2.3	84
53	Time stability of catchment model parameters: Implications for climate impact analyses. Water Resources Research, 2011, 47, .	1.7	334
54	Catchment classification by runoff behaviour with self-organizing maps (SOM). Hydrology and Earth System Sciences, 2011, 15, 2947-2962.	1.9	109

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55	Advances in Regionalising Flood Probabilities. , 2011, , 97-115.		1
56	Seasonal characteristics of flood regimes across the Alpine–Carpathian range. Journal of Hydrology, 2010, 394, 78-89.	2.3	181
57	On the role of the runoff coefficient in the mapping of rainfall to flood return periods. Hydrology and Earth System Sciences, 2009, 13, 577-593.	1.9	76
58	Controls on event runoff coefficients in the eastern Italian Alps. Journal of Hydrology, 2009, 375, 312-325.	2.3	149
59	Probabilistic envelope curves for extreme rainfall events. Journal of Hydrology, 2009, 378, 263-271.	2.3	36
60	Process controls on the statistical flood moments ―a data based analysis. Hydrological Processes, 2009, 23, 675-696.	1.1	56
61	Comparative analysis of the seasonality of hydrological characteristics in Slovakia and Austria / Analyse comparative de la saisonnalité de caractéristiques hydrologiques en Slovaquie et en Autriche. Hydrological Sciences Journal, 2009, 54, 456-473.	1.2	68
62	Scale effects in conceptual hydrological modeling. Water Resources Research, 2009, 45, .	1.7	124
63	A regional analysis of event runoff coefficients with respect to climate and catchment characteristics in Austria. Water Resources Research, 2009, 45, .	1.7	218
64	Landform – Hydrology Feedbacks. Lecture Notes in Earth Sciences, 2009, , 117-126.	0.5	6
65	National flood discharge mapping in Austria. Natural Hazards, 2008, 46, 53-72.	1.6	67
66	Flood frequency hydrology: 1. Temporal, spatial, and causal expansion of information. Water Resources Research, 2008, 44, .	1.7	197
67	Flood frequency hydrology: 2. Combining data evidence. Water Resources Research, 2008, 44, .	1.7	95
68	Flood risk mapping of Austrian railway lines. , 2008, , 1625-1630.		0
69	Regional calibration of catchment models: Potential for ungauged catchments. Water Resources Research, 2007, 43, .	1.7	118
70	Uncertainty and multiple objective calibration in regional water balance modelling: case study in 320 Austrian catchments. Hydrological Processes, 2007, 21, 435-446.	1.1	157
71	Spatio-temporal variability of event runoff coefficients. Journal of Hydrology, 2006, 331, 591-604.	2.3	212
72	Top-kriging - geostatistics on stream networks. Hydrology and Earth System Sciences, 2006, 10, 277-287.	1.9	171

RALF MERZ

#	Article	IF	CITATIONS
73	Assimilating scatterometer soil moisture data into conceptual hydrologic models at the regional scale. Hydrology and Earth System Sciences, 2006, 10, 353-368.	1.9	142
74	FLOODS IN AUSTRIA. , 2006, , 81-90.		3
75	A comparison of regionalisation methods for catchment model parameters. Hydrology and Earth System Sciences, 2005, 9, 157-171.	1.9	309
76	Flood frequency regionalisation—spatial proximity vs. catchment attributes. Journal of Hydrology, 2005, 302, 283-306.	2.3	218
77	Linking flood frequency to long-term water balance: Incorporating effects of seasonality. Water Resources Research, 2005, 41, .	1.7	161
78	Regionalisation of catchment model parameters. Journal of Hydrology, 2004, 287, 95-123.	2.3	549
79	A process typology of regional floods. Water Resources Research, 2003, 39, .	1.7	347
80	A European Flood Database: facilitating comprehensive flood research beyond administrative boundaries. Proceedings of the International Association of Hydrological Sciences, 0, 370, 89-95.	1.0	32