Wouter J M Knoben

List of Publications by Year
in descending order

15	1,655	687363 13	996975 15
papers	citations	h-index	g-index

41	41	41	2065
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Technical note: Inherent benchmark or not? Comparing Nashâ€“Sutcliffe and Klingâ€“Gupta efficiency scores. Hydrology and Earth System Sciences, 2019, 23, 4323-4331.	4.9	582
2	Twenty-three unsolved problems in hydrology (UPH) â€“ a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	2.6	474
3	A Quantitative Hydrological Climate Classification Evaluated With Independent Streamflow Data. Water Resources Research, 2018, 54, 5088-5109.	4.2	100
4	The Abuse of Popular Performance Metrics in Hydrologic Modeling. Water Resources Research, 2021, 57, e2020WR029001.	4.2	76
5	Modular Assessment of Rainfallâ€“Runoff Models Toolbox (MARRMoT) v1.2: an open-source, extendable framework providing implementations of 46 conceptual hydrologic models as continuous state-space formulations. Geoscientific Model Development, 2019, 12, 2463-2480.	3.6	74
6	A Brief Analysis of Conceptual Model Structure Uncertainty Using 36 Models and 559 Catchments. Water Resources Research, 2020, 56, e2019WR025975.	4.2	72
7	Many Commonly Used Rainfallâ€Runoff Models Lack Long, Slow Dynamics: Implications for Runoff Projections. Water Resources Research, 2020, 56, e2019WR025286.	4.2	54
8	DECIPHeR v1: Dynamic fluxEs and ConnectIvity for Predictions of HydRology. Geoscientific Model Development, 2019, 12, 2285-2306.	3.6	51
9	How Do Climate and Catchment Attributes Influence Flood Generating Processes? A Largeâ€Sample Study for 671 Catchments Across the Contiguous USA. Water Resources Research, 2021, 57, e2020WR028300.	4.2	46
10	A Global Survey on the Perceptions and Impacts of Gender Inequality in the Earth and Space Sciences. Earth and Space Science, 2019, 6, 1460-1468.	2.6	32
11	Global bimodal precipitation seasonality: A systematic overview. International Journal of Climatology, 2019, 39, 558-567.	3.5	31
12	Flood spatial coherence, triggers, and performance in hydrological simulations: large-sample evaluation of four streamflow-calibrated models. Hydrology and Earth System Sciences, 2021, 25, 105-119.	4.9	16
13	Flexible vector-based spatial configurations in land models. Hydrology and Earth System Sciences, 2020, 24, 5953-5971.	4.9	16
14	Mimicry of a Conceptual Hydrological Model (HBV): What's in a Name?. Water Resources Research, 2021, 57, e2020WR029143.	4.2	7
15	Teaching hydrological modelling: illustrating model structure uncertainty with a ready-to-use computational exercise. Hydrology and Earth System Sciences, 2022, 26, 3299-3314.	4.9	4