

Wouter R Berghuijs

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5959340/publications.pdf>

Version: 2024-02-01

23
papers

2,403
citations

516215

16
h-index

642321

23
g-index

44
all docs

44
docs citations

44
times ranked

3388
citing authors

#	ARTICLE	IF	CITATIONS
1	A precipitation shift from snow towards rain leads to a decrease in streamflow. <i>Nature Climate Change</i> , 2014, 4, 583-586.	8.1	545
2	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	1.2	474
3	Dominant flood generating mechanisms across the United States. <i>Geophysical Research Letters</i> , 2016, 43, 4382-4390.	1.5	313
4	Patterns of similarity of seasonal water balances: A window into streamflow variability over a range of time scales. <i>Water Resources Research</i> , 2014, 50, 5638-5661.	1.7	167
5	The Relative Importance of Different Flood-Generating Mechanisms Across Europe. <i>Water Resources Research</i> , 2019, 55, 4582-4593.	1.7	152
6	A Global Assessment of Runoff Sensitivity to Changes in Precipitation, Potential Evaporation, and Other Factors. <i>Water Resources Research</i> , 2017, 53, 8475-8486.	1.7	125
7	Recent changes in extreme floods across multiple continents. <i>Environmental Research Letters</i> , 2017, 12, 114035.	2.2	102
8	Trends and sensitivities of low streamflow extremes to discharge timing and magnitude in Pacific Northwest mountain streams. <i>Water Resources Research</i> , 2016, 52, 4990-5007.	1.7	75
9	The relationship between contrasting ages of groundwater and streamflow. <i>Geophysical Research Letters</i> , 2017, 44, 8925-8935.	1.5	71
10	Streamflow sensitivity to water storage changes across Europe. <i>Geophysical Research Letters</i> , 2016, 43, 1980-1987.	1.5	59
11	Growing Spatial Scales of Synchronous River Flooding in Europe. <i>Geophysical Research Letters</i> , 2019, 46, 1423-1428.	1.5	59
12	Correspondence: Space-time asymmetry undermines water yield assessment. <i>Nature Communications</i> , 2016, 7, 11603.	5.8	50
13	Unanswered questions on the Budyko framework. <i>Hydrological Processes</i> , 2020, 34, 5699-5703.	1.1	32
14	Global sinusoidal seasonality in precipitation isotopes. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3423-3436.	1.9	29
15	A simple framework to quantitatively describe monthly precipitation and temperature climatology. <i>International Journal of Climatology</i> , 2016, 36, 3161-3174.	1.5	27
16	Global dominance of tectonics over climate in shaping river longitudinal profiles. <i>Nature Geoscience</i> , 2021, 14, 503-507.	5.4	25
17	Practical considerations for enhanced-resolution coil-wrapped distributed temperature sensing. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 151-162.	0.6	16
18	Streamflow response to forest management. <i>Nature</i> , 2020, 578, E12-E15.	13.7	16

#	ARTICLE	IF	CITATIONS
19	Waters flowing out of systems are younger than the waters stored in those same systems. <i>Hydrological Processes</i> , 2019, 33, 3251-3254.	1.1	15
20	Seasonality and Drivers of Low Flows Across Europe and the United States. <i>Water Resources Research</i> , 2021, 57, e2019WR026928.	1.7	15
21	Effects of climate anomalies on warm-season low flows in Switzerland. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5423-5438.	1.9	14
22	Open Science: Open Data, Open Models, and Open Publications?. <i>Water Resources Research</i> , 2021, 57, e2020WR029480.	1.7	7
23	A need for incentivizing field hydrology, especially in an era of open data: discussion of "The role of experimental work in hydrological sciences" insights from a community survey*. <i>Hydrological Sciences Journal</i> , 2018, 63, 1262-1265.	1.2	6