

Anne F Van Loon

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

4,169
citations

27
h-index

64
g-index

114
ext. papers

5,235
ext. citations

5.1
avg, IF

6.18
L-index

#	Paper	IF	Citations
69	Hydrological drought explained. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015 , 2, 359-392	5.7	513
68	Candidate Distributions for Climatological Drought Indices (SPI and SPEI). <i>International Journal of Climatology</i> , 2015 , 35, 4027-4040	3.5	316
67	Hydrological drought severity explained by climate and catchment characteristics. <i>Journal of Hydrology</i> , 2015 , 526, 3-14	6	277
66	Twenty-three unsolved problems in hydrology (UPH) from a community perspective. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1141-1158	3.5	259
65	A process-based typology of hydrological drought. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 1915-1946	5.9	212
64	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 3631-3650	5.5	198
63	Evapotranspiration amplifies European summer drought. <i>Geophysical Research Letters</i> , 2013 , 40, 2071-2075	4.5	177
62	Hydrological drought across the world: impact of climate and physical catchment structure. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 1715-1732	5.5	161
61	Making the distinction between water scarcity and drought using an observation-modeling framework. <i>Water Resources Research</i> , 2013 , 49, 1483-1502	5.4	150
60	Water shortages worsened by reservoir effects. <i>Nature Sustainability</i> , 2018 , 1, 617-622	22.1	122
59	Hydrology needed to manage droughts: the 2015 European case. <i>Hydrological Processes</i> , 2016 , 30, 3097-3104	3.3	117
58	Impacts of European drought events: insights from an international database of text-based reports. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 801-819	3.9	112
57	How climate seasonality modifies drought duration and deficit. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 4640-4656	4.4	111
56	Multiscale evaluation of the Standardized Precipitation Index as a groundwater drought indicator. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 1117-1131	5.5	89
55	The European 2015 drought from a hydrological perspective. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 3001-3024	5.5	85
54	Evaluation of drought propagation in an ensemble mean of large-scale hydrological models. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 4057-4078	5.5	85
53	Testing the use of standardised indices and GRACE satellite data to estimate the European 2015 groundwater drought in near-real time. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 1947-1971	5.5	49

52	Hydrological drought types in cold climates: quantitative analysis of causing factors and qualitative survey of impacts. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 1993-2016	5.5	47
51	Increased probability of compound long-duration dry and hot events in Europe during summer (1950-2013). <i>Environmental Research Letters</i> , 2019 , 14, 094006	6.2	46
50	Soil Moisture Drought in Europe: A Compound Event of Precipitation and Potential Evapotranspiration on Multiple Time Scales. <i>Journal of Hydrometeorology</i> , 2018 , 19, 1255-1271	3.7	45
49	Using paired catchments to quantify the human influence on hydrological droughts. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 1725-1739	5.5	44
48	Panta Rhei 2013-2015: global perspectives on hydrology, society and change. <i>Hydrological Sciences Journal</i> , 2016 , 1-18	3.5	44
47	How to improve attribution of changes in drought and flood impacts. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1-18	3.5	39
46	Anthropogenic Drought: Definition, Challenges, and Opportunities. <i>Reviews of Geophysics</i> , 2021 , 59, e2019RG000683	1.9	39
45	Hydrological classification in mangrove areas: A case study in Can Gio, Vietnam. <i>Aquatic Botany</i> , 2007 , 87, 80-82	1.8	38
44	Hydroclimatology of extreme river flows. <i>Freshwater Biology</i> , 2015 , 60, 2461-2476	3.1	33
43	Response to comment on "Candidate Distributions for Climatological Drought Indices (SPI and SPEI)". <i>International Journal of Climatology</i> , 2016 , 36, 2132-2138	3.5	27
42	Investigation of variable threshold level approaches for hydrological drought identification		26
41	An observation-based method to quantify the human influence on hydrological drought: upstream-downstream comparison. <i>Hydrological Sciences Journal</i> , 2019 , 64, 276-287	3.5	25
40	Hydrological Classification, a Practical Tool for Mangrove Restoration. <i>PLoS ONE</i> , 2016 , 11, e0150302	3.7	25
39	The role of glacier changes and threshold definition in the characterisation of future streamflow droughts in glacierised catchments. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 463-485	5.5	24
38	Hydrological change: Towards a consistent approach to assess changes on both floods and droughts. <i>Advances in Water Resources</i> , 2018 , 111, 31-35	4.7	18
37	Asymmetric impact of groundwater use on groundwater droughts. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 4853-4868	5.5	17
36	Quantifying the impact of model inaccuracy in climate change impact assessment studies using an agro-hydrological model. <i>Hydrology and Earth System Sciences</i> , 2008 , 12, 669-678	5.5	16
35	Multi-method assessment of reservoir effects on hydrological droughts in an arid region 2016 ,		16

34	Water governance challenges in rural South Africa: exploring institutional coordination in drought management. <i>Water Policy</i> , 2020 , 22, 519-540	1.6	13
33	Assessing baseflow index vulnerability to variation in dry spell length for a range of catchment and climate properties. <i>Hydrological Processes</i> , 2018 , 32, 2496-2509	3.3	13
32	Anthropogenic activities alter drought termination. <i>Elementa</i> , 2019 , 7,	3.6	13
31	Hydrological drought across the world: impact of climate and physical catchment structure		12
30	Managed aquifer recharge as a drought mitigation strategy in heavily-stressed aquifers. <i>Environmental Research Letters</i> , 2021 , 16, 014046	6.2	12
29	Guiding principles for hydrologists conducting interdisciplinary research and fieldwork with participants. <i>Hydrological Sciences Journal</i> , 2021 , 66, 214-225	3.5	11
28	Hydrological modelling as a tool for interdisciplinary workshops on future drought. <i>Progress in Physical Geography</i> , 2018 , 42, 237-256	3.5	10
27	Impacts of European drought events: insights from an international database of text-based reports		9
26	The European 2015 drought from a hydrological perspective		8
25	Hydrological drought typology: temperature-related drought types and associated societal impacts		8
24	The compensating effect of glaciers: Characterizing the relation between interannual streamflow variability and glacier cover. <i>Hydrological Processes</i> , 2020 , 34, 553-568	3.3	8
23	Learning by doing: enhancing hydrology lectures with individual fieldwork projects. <i>Journal of Geography in Higher Education</i> , 2019 , 43, 155-180	1.6	7
22	Prediction of river temperature surges is dependent on precipitation method. <i>Hydrological Processes</i> , 2019 , 33, 144-159	3.3	7
21	Global Groundwater Modeling and Monitoring: Opportunities and Challenges. <i>Water Resources Research</i> , 2021 , 57,	5.4	7
20	Frequently used drought indices reflect different drought conditions on global scale		6
19	Multiscale evaluation of the standardized precipitation index as a groundwater drought indicator		6
18	Drought in a human-modified world: reframing drought definitions, understanding and analysis approaches		4
17	Hydrological response to warm and dry weather: do glaciers compensate?. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 3245-3265	5.5	4

16	Influence of model structure on base flow estimation using Bilan, frier and HBV-light models / Vplyv štruktúry modelu na stanovenie veľkosti podzemného odtoku využitím modelov bilan, frier a hbv-light. j. hydrolog. hydromech., 60, 2012, 4; 29 lit., 7 obr., 1 tab.. <i>Journal of Hydrology and Hydromechanics</i> , 2012, 60, 242-251	2.1	3
15	Evaluation of drought propagation in an ensemble mean of large-scale hydrological models		3
14	Complexities of drought adaptive behaviour: Linking theory to data on smallholder farmer adaptation decisions. <i>International Journal of Disaster Risk Reduction</i> , 2021, 63, 102435	4.5	3
13	The Groundwater Drought Initiative (GDI): Analysing and understanding groundwater drought across Europe. <i>Proceedings of the International Association of Hydrological Sciences</i> , 383, 297-305		2
12	Using paired catchments to quantify the human influence on hydrological droughts		2
11	Evaluating integrated water management strategies to inform hydrological drought mitigation. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3113-3139	3.9	2
10	Combining in-situ fluorometry and distributed rainfall data provides new insights into natural organic matter transport dynamics in an urban river. <i>Science of the Total Environment</i> , 2021, 755, 142731 ^{10.2}		2
9	Managing groundwater supplies subject to drought: perspectives on current status and future priorities from England (UK). <i>Hydrogeology Journal</i> , 2021, 29, 921-924	3.1	2
8	Impacts of compound hot/dry extremes on US soybean yields. <i>Earth System Dynamics</i> , 2021, 12, 1371-1394.8	4.8	1
7	Creative practice as a tool to build resilience to natural hazards in the Global South. <i>Geoscience Communication</i> , 2020, 3, 453-474	0.7	1
6	Diagnosis of Drought-Generating Processes 2018, 1-27		1
5	Streamflow droughts aggravated by human activities despite management. <i>Environmental Research Letters</i> , 2022, 17, 044059	6.2	1
4	Education, financial aid, and awareness can reduce smallholder farmers' vulnerability to drought under climate change. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 1201-1232	3.9	0
3	Invited perspectives: A research agenda towards disaster risk management pathways in multi-(hazard-)risk assessment. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 1487-1497	3.9	0
2	Approaches to analyse and model changes in impacts: reply to discussions of How to improve attribution of changes in drought and flood impacts. <i>Hydrological Sciences Journal</i> , 2020, 65, 491-494	3.5	
1	Bridging the gap: Reply to discussion of Guiding principles for hydrologists conducting interdisciplinary research and fieldwork with participants. <i>Hydrological Sciences Journal</i> ,	3.5	