

# Rutger Dankers

## 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.

38  
papers

3,826  
citations

24  
h-index

43  
g-index

43  
ext. papers

4,367  
ext. citations

5.1  
avg. IF

4.92  
L-index

#	Paper	IF	Citations
38	Multimodel assessment of water scarcity under climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3245-50	11.5	978
37	Hydrological droughts in the 21st century, hotspots and uncertainties from a global multimodel ensemble experiment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3262-7	11.5	470
36	Carbon residence time dominates uncertainty in terrestrial vegetation responses to future climate and atmospheric CO <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3280-5	11.5	368
35	Physical and economic consequences of climate change in Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 2678-83	11.5	253
34	First look at changes in flood hazard in the Inter-Sectoral Impact Model Intercomparison Project ensemble. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3257-61	11.5	203
33	Climate change impact on flood hazard in Europe: An assessment based on high-resolution climate simulations. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		192
32	Impact of global warming on streamflow drought in Europe. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		147
31	Fluvial flood risk in Europe in present and future climates. <i>Climatic Change</i> , <b>2012</b> , 112, 47-62	4.5	145
30	Flood hazard in Europe in an ensemble of regional climate scenarios. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		120
29	Cross-scale intercomparison of climate change impacts simulated by regional and global hydrological models in eleven large river basins. <i>Climatic Change</i> , <b>2017</b> , 141, 561-576	4.5	96
28	Assessing river flood risk and adaptation in Europe—Review of projections for the future. <i>Mitigation and Adaptation Strategies for Global Change</i> , <b>2010</b> , 15, 641-656	3.9	89
27	A comparison of changes in river runoff from multiple global and catchment-scale hydrological models under global warming scenarios of 1 °C, 2 °C and 3 °C. <i>Climatic Change</i> , <b>2017</b> , 141, 577-595	4.5	83
26	Comparing projections of future changes in runoff from hydrological and biome models in ISI-MIP. <i>Earth System Dynamics</i> , <b>2013</b> , 4, 359-374	4.8	65
25	Simulation of permafrost and seasonal thaw depth in the JULES land surface scheme. <i>Cryosphere</i> , <b>2011</b> , 5, 773-790	5.5	64
24	Worldwide evaluation of mean and extreme runoff from six global-scale hydrological models that account for human impacts. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 065015	6.2	59
23	Differences in flood hazard projections in Europe—Their causes and consequences for decision making. <i>Hydrological Sciences Journal</i> , <b>2016</b> ,	3.5	56
22	Evaluation of very high-resolution climate model data for simulating flood hazards in the Upper Danube Basin. <i>Journal of Hydrology</i> , <b>2007</b> , 347, 319-331	6	48

21	Monitoring snow-cover dynamics in Northern Fennoscandia with SPOT VEGETATION images. <i>International Journal of Remote Sensing</i> , <b>2004</b> , 25, 2933-2949	3.1	42
20	Climate Change Impact on Snow Coverage, Evaporation and River Discharge in the Sub-Arctic Tana Basin, Northern Fennoscandia. <i>Climatic Change</i> , <b>2005</b> , 69, 367-392	4.5	39
19	Extreme Rainfall and Flooding over Central Kenya Including Nairobi City during the Long-Rains Season 2018: Causes, Predictability, and Potential for Early Warning and Actions. <i>Atmosphere</i> , <b>2018</b> , 9, 472	2.7	36
18	River discharge and freshwater runoff to the Barents Sea under present and future climate conditions. <i>Climatic Change</i> , <b>2008</b> , 87, 131-153	4.5	35
17	A retrospective analysis of pan Arctic permafrost using the JULES land surface model. <i>Climate Dynamics</i> , <b>2013</b> , 41, 1025-1038	4.2	32
16	Potential impact of climate change on ecosystems of the Barents Sea Region. <i>Climatic Change</i> , <b>2008</b> , 87, 283-303	4.5	31
15	Validation of River Flows in HadGEM1 and HadCM3 with the TRIP River Flow Model. <i>Journal of Hydrometeorology</i> , <b>2011</b> , 12, 1157-1180	3.7	28
14	Role of vegetation change in future climate under the A1B scenario and a climate stabilisation scenario, using the HadCM3C Earth system model. <i>Biogeosciences</i> , <b>2012</b> , 9, 4739-4756	4.6	21
13	Exploring the value of machine learning for weighted multi-model combination of an ensemble of global hydrological models. <i>Environmental Modelling and Software</i> , <b>2019</b> , 114, 112-128	5.2	19
12	Physical and Chemical Limnology of a Subsaline Athalassic Lake in West Greenland. <i>Hydrobiologia</i> , <b>2004</b> , 524, 167-192	2.4	18
11	Improving the Health Forecasting Alert System for Cold Weather and Heat-Waves In England: A Proof-of-Concept Using Temperature-Mortality Relationships. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137804	3.7	18
10	Use of probabilistic medium- to long-range weather-pattern forecasts for identifying periods with an increased likelihood of coastal flooding around the UK. <i>Meteorological Applications</i> , <b>2018</b> , 25, 534-547 <sup>2.1</sup>		13
9	Comparing projections of future changes in runoff and water resources from hydrological and ecosystem models in ISI-MIP		11
8	Decision making with risk-based weather warnings. <i>International Journal of Disaster Risk Reduction</i> , <b>2018</b> , 30, 59-73	4.5	10
7	Deriving optimal weather pattern definitions for the representation of precipitation variability over India. <i>International Journal of Climatology</i> , <b>2020</b> , 40, 342-360	3.5	9
6	Improving sub-seasonal forecast skill of meteorological drought: a weather pattern approach. <i>Natural Hazards and Earth System Sciences</i> , <b>2020</b> , 20, 107-124	3.9	8
5	On the benefit of high-resolution climate simulations in impact studies of hydrological extremes		7
4	Linking weather patterns to regional extreme precipitation for highlighting potential flood events in medium- to long-range forecasts. <i>Meteorological Applications</i> , <b>2020</b> , 27, e1931	2.1	5

3	Role of vegetation change in future climate under the A1B scenario and a climate stabilisation scenario, using the HadCM3C earth system model		4
2	Water balance modelling of (Sub-)Arctic rivers and freshwater supply to the Barents Sea Basin. <i>Permafrost and Periglacial Processes</i> , <b>2005</b> , 16, 249-259	4.2	2
1	Grappling with uncertainties in physical climate impact projections of water resources. <i>Climatic Change</i> , <b>2020</b> , 163, 1379-1397	4.5	1