Rutger Dankers

List of Publications by Year in Descending Order

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	Improving sub-seasonal forecast skill of meteorological drought: a weather pattern approach. *Natural Hazards and Earth System Sciences*, **2020**, 20, 107-124	3.9	8
37	Grappling with uncertainties in physical climate impact projections of water resources. *Climatic Change*, **2020**, 163, 1379-1397	4.5	1
36	Linking weather patterns to regional extreme precipitation for highlighting potential flood events in medium- to long-range forecasts. *Meteorological Applications*, **2020**, 27, e1931	2.1	5
35	Deriving optimal weather pattern definitions for the representation of precipitation variability over India. *International Journal of Climatology*, **2020**, 40, 342-360	3.5	9
34	Exploring the value of machine learning for weighted multi-model combination of an ensemble of global hydrological models. *Environmental Modelling and Software*, **2019**, 114, 112-128	5.2	19
33	Decision making with risk-based weather warnings. *International Journal of Disaster Risk Reduction*, **2018**, 30, 59-73	4.5	10
32	Use of probabilistic medium- to long-range weather-pattern forecasts for identifying periods with an increased likelihood of coastal flooding around the UK. *Meteorological Applications*, **2018**, 25, 534-547	2.1	13
31	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. *Atmosphere*, **2018**, 9, 472	2.7	36
30	Worldwide evaluation of mean and extreme runoff from six global-scale hydrological models that account for human impacts. *Environmental Research Letters*, **2018**, 13, 065015	6.2	59
29	Cross-scale intercomparison of climate change impacts simulated by regional and global hydrological models in eleven large river basins. *Climatic Change*, **2017**, 141, 561-576	4.5	96
28	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. *Climatic Change*, **2017**, 141, 577-595	4.5	83
27	Differences in flood hazard projections in Europe –their causes and consequences for decision making. *Hydrological Sciences Journal*, **2016**,	3.5	56
26	Improving the Health Forecasting Alert System for Cold Weather and Heat-Waves In England: A Proof-of-Concept Using Temperature-Mortality Relationships. *PLoS ONE*, **2015**, 10, e0137804	3.7	18
25	Hydrological droughts in the 21st century, hotspots and uncertainties from a global multimodel ensemble experiment. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 3262-7	11.5	470
24	Multimodel assessment of water scarcity under climate change. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 3245-50	11.5	978
23	Carbon residence time dominates uncertainty in terrestrial vegetation responses to future climate and atmospheric CO2. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 3280-5	11.5	368
22	First look at changes in flood hazard in the Inter-Sectoral Impact Model Intercomparison Project ensemble. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 3257-61	11.5	203

21	A retrospective analysis of pan Arctic permafrost using the JULES land surface model. *Climate Dynamics*, **2013**, 41, 1025-1038	4.2	32
20	Comparing projections of future changes in runoff from hydrological and biome models in ISI-MIP. *Earth System Dynamics*, **2013**, 4, 359-374	4.8	65
19	Role of vegetation change in future climate under the A1B scenario and a climate stabilisation scenario, using the HadCM3C Earth system model. *Biogeosciences*, **2012**, 9, 4739-4756	4.6	21
18	Fluvial flood risk in Europe in present and future climates. *Climatic Change*, **2012**, 112, 47-62	4.5	145
17	Physical and economic consequences of climate change in Europe. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 2678-83	11.5	253
16	Simulation of permafrost and seasonal thaw depth in the JULES land surface scheme. *Cryosphere*, **2011**, 5, 773-790	5.5	64
15	Validation of River Flows in HadGEM1 and HadCM3 with the TRIP River Flow Model. *Journal of Hydrometeorology*, **2011**, 12, 1157-1180	3.7	28
14	Assessing river flood risk and adaptation in Europe—review of projections for the future. *Mitigation and Adaptation Strategies for Global Change*, **2010**, 15, 641-656	3.9	89
13	Impact of global warming on streamflow drought in Europe. *Journal of Geophysical Research*, **2009**, 114,		147
12	Flood hazard in Europe in an ensemble of regional climate scenarios. *Journal of Geophysical Research*, **2009**, 114,		120
11	Climate change impact on flood hazard in Europe: An assessment based on high-resolution climate simulations. *Journal of Geophysical Research*, **2008**, 113,		192
10	River discharge and freshwater runoff to the Barents Sea under present and future climate conditions. *Climatic Change*, **2008**, 87, 131-153	4.5	35
9	Potential impact of climate change on ecosystems of the Barents Sea Region. *Climatic Change*, **2008**, 87, 283-303	4.5	31
8	Evaluation of very high-resolution climate model data for simulating flood hazards in the Upper Danube Basin. *Journal of Hydrology*, **2007**, 347, 319-331	6	48
7	Water balance modelling of (Sub-)Arctic rivers and freshwater supply to the Barents Sea Basin. *Permafrost and Periglacial Processes*, **2005**, 16, 249-259	4.2	2
6	Climate Change Impact on Snow Coverage, Evaporation and River Discharge in the Sub-Arctic Tana Basin, Northern Fennoscandia. *Climatic Change*, **2005**, 69, 367-392	4.5	39
5	Physical and Chemical Limnology of a Subsaline Athalassic Lake in West Greenland. *Hydrobiologia*, **2004**, 524, 167-192	2.4	18
4	Monitoring snow-cover dynamics in Northern Fennoscandia with SPOT VEGETATION images. *International Journal of Remote Sensing*, **2004**, 25, 2933-2949	3.1	42