Nynke Hofstra

List of Publications by Year
in descending order

46 papers	4,295 citations	236612 25 h-index	223531 46 g-index
48 all docs	48 docs citations	48 times ranked	6055 citing authors

#	Article	IF	Citations
1	A European daily highâ€resolution gridded data set of surface temperature and precipitation for 1950â€“2006. Journal of Geophysical Research, 2008, 113, .	3.3	1,889
2	Comparison of six methods for the interpolation of daily, European climate data. Journal of Geophysical Research, 2008, 113, .	3.3	286
3	Testing Eâ€OBS European highâ€resolution gridded data set of daily precipitation and surface temperature. Journal of Geophysical Research, 2009, 114, .	3.3	258
4	The influence of interpolation and station network density on the distributions and trends of climate variables in gridded daily data. Climate Dynamics, 2010, 35, 841-858.	1.7	233
5	Denitrification in Agricultural Soils: Summarizing Published Data and Estimating Global Annual Rates. Nutrient Cycling in Agroecosystems, 2005, 72, 267-278.	1.1	208
6	Impacts of climate change on the microbial safety of pre-harvest leafy green vegetables as indicated by Escherichia coli O157 and Salmonella spp.. International Journal of Food Microbiology, 2013, 163, 119-128.	2.1	141
7	Quantifying the impact of climate change on enteric waterborne pathogen concentrations in surface water. Current Opinion in Environmental Sustainability, 2011, 3, 471-479.	3.1	111
8	Urbanization: an increasing source of multiple pollutants to rivers in the 21st century. Npj Urban Sustainability, 2021, 1, .	3.7	84
9	Global multi-pollutant modelling of water quality: scientific challenges and future directions. Current Opinion in Environmental Sustainability, 2019, 36, 116-125.	3.1	80
10	Impact of Climate Change on Flood Frequency and Intensity in the Kabul River Basin. Geosciences (Switzerland), 2018, 8, 114.	1.0	63
11	Spatial variability in correlation decay distance and influence on angularâ€distance weighting interpolation of daily precipitation over Europe. International Journal of Climatology, 2009, 29, 1872-1880.	1.5	62
12	The Impact of Environmental Variables on Faecal Indicator Bacteria in the Betna River Basin, Bangladesh. Environmental Processes, 2017, 4, 319-332.	1.7	60
13	Global Occurrence and Emission of Rotaviruses to Surface Waters. Pathogens, 2015, 4, 229-255.	1.2	59
14	Impacts of population growth, urbanisation and sanitation changes on global human Cryptosporidium emissions to surface water. International Journal of Hygiene and Environmental Health, 2016, 219, 599-605.	2.1	59
15	Global Cryptosporidium Loads from Livestock Manure. Environmental Science & Technology, 2017, 51, 8663-8671.	4.6	55
16	Exploring global Cryptosporidium emissions to surface water. Science of the Total Environment, 2013, 442, 10-19.	3.9	52
17	Global modelling of surface water quality: a multi-pollutant approach. Current Opinion in Environmental Sustainability, 2016, 23, 35-45.	3.1	50
18	The links between global carbon, water and nutrient cycles in an urbanizing world â€" the case of coastal eutrophication. Current Opinion in Environmental Sustainability, 2013, 5, 566-572.	3.1	41

#	Article	IF	Citations
19	Modelling the impact of future socio-economic and climate change scenarios on river microbial water quality. International Journal of Hygiene and Environmental Health, 2018, 221, 283-292.	2.1	40
20	Cryptosporidium concentrations in rivers worldwide. Water Research, 2019, 149, 202-214.	5.3	39
21	Model inter-comparison design for large-scale water quality models. Current Opinion in Environmental Sustainability, 2019, 36, 59-67.	3.1	34
22	Influence of climate variables on the concentration of Escherichia coli in the Rhine, Meuse, and Drentse Aa during 1985â€“2010. Regional Environmental Change, 2014, 14, 307-319.	1.4	32
23	Modelling of river faecal indicator bacteria dynamics as a basis for faecal contamination reduction. Journal of Hydrology, 2018, 563, 1000-1008.	2.3	31
24	Why pathogens matter for meeting the united nationsâ€™ sustainable development goal 6 on safely managed water and sanitation. Water Research, 2021, 189, 116591.	5.3	31
25	Microbial Water Quality: Monitoring and Modeling. Journal of Environmental Quality, 2018, 47, 931-938.	1.0	29
26	Modelling the impact of sanitation, population growth and urbanization on human emissions of <i>Cryptosporidium</i> to surface watersâ€"a case study for Bangladesh and India. Environmental Research Letters, 2015, 10, 094017.	2.2	28
27	Multi-pollutant assessment of river pollution from livestock production worldwide. Water Research, 2022, 209, 117906.	5.3	22
28	Advancing waterborne pathogen modelling: lessons from global nutrient export models. Current Opinion in Environmental Sustainability, 2015, 14, 109-120.	3.1	21
29	Preparing suitable climate scenario data to assess impacts on local food safety. Food Research International, 2015, 68, 31-40.	2.9	21
30	The impact of socio-economic development and climate change on E. coli loads and concentrations in Kabul River, Pakistan. Science of the Total Environment, 2019, 650, 1935-1943.	3.9	21
31	Editorial overview: Water quality: A new challenge for global scale model development and application. Current Opinion in Environmental Sustainability, 2019, 36, A1-A5.	3.1	18
32	Modeling Escherichia coli fate and transport in the Kabul River Basin using SWAT. Human and Ecological Risk Assessment (HERA), 2019, 25, 1279-1297.	1.7	16
33	Priorities for developing a modelling and scenario analysis framework for waterborne pathogen concentrations in rivers worldwide and consequent burden of disease. Current Opinion in Environmental Sustainability, 2019, 36, 28-38.	3.1	16
34	Impacts of Climate and Management Variables on the Contamination of Preharvest Leafy Greens with Escherichia coli. Journal of Food Protection, 2016, 79, 17-29.	0.8	12
35	An exploration of the disease burden due to Cryptosporidium in consumed surface water for sub-Saharan Africa. International Journal of Hygiene and Environmental Health, 2019, 222, 856-863.	2.1	11
36	Reducing river export of nutrients and eutrophication in Lake Dianchi in the future. Blue-Green Systems, 2020, 2, 73-90.	0.6	10

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37	Present and Future Human Emissions of Rotavirus and Escherichia coli to Uganda's Surface Waters. Journal of Environmental Quality, 2018, 47, 1130-1138.	1.0	8
38	The Relationship between Hydro-Climatic Variables and E. coli Concentrations in Surface and Drinking Water of the Kabul River Basin in Pakistan. AIMS Environmental Science, 2017, 4, 690-708.	0.7	8
39	Modelling rotavirus concentrations in rivers: Assessing Uganda's present and future microbial water quality. Water Research, 2021, 204, 117615.	5.3	6
40	Microbial contamination in surface water and potential health risks for peri-urban farmers of the Bengal delta. International Journal of Hygiene and Environmental Health, 2022, 244, 114002.	2.1	6
41	What Is Safe Sanitation?. Journal of Environmental Engineering, ASCE, 2019, 145, .	0.7	5
42	Translating pathogen knowledge to practice for sanitation decision-making. Journal of Water and Health, 2019, 17, 896-909.	1.1	5
43	Modelling the Present and Future Water Level and Discharge of the Tidal Betna River. Geosciences (Switzerland), 2018, 8, 271.	1.0	4
44	Bridging Science and Practice-Importance of Stakeholders in the Development of Decision Support: Lessons Learned. Sustainability, 2021, 13, 5744.	1.6	2
45	Reflection on health-environment research in the light of emerging infectious diseases: modelling water quality and health. Current Opinion in Environmental Sustainability, 2020, 46, 8-10.	3.1	1
46	The Relationship between Hydro-Climatic Variables and E. coli Concentrations in Surface and Drinking Water of the Kabul River Basin in Pakistan. AIMS Environmental Science, 2017, 4, 690-708.	0.7	1