Nynke Hofstra

List of Publications by Citations

45 papers	3,353 citations	21 h-index	48 g-index
48 ext. papers	3,772 ext. citations	6 avg, IF	5.41 L-index

#	Paper	IF	Citations
45	A European daily high-resolution gridded data set of surface temperature and precipitation for 19502006. *Journal of Geophysical Research*, **2008**, 113,		1620
44	Comparison of six methods for the interpolation of daily, European climate data. *Journal of Geophysical Research*, **2008**, 113,		235
43	Testing E-OBS European high-resolution gridded data set of daily precipitation and surface temperature. *Journal of Geophysical Research*, **2009**, 114,		231
42	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	4.2	192
41	Denitrification in Agricultural Soils: Summarizing Published Data and Estimating Global Annual Rates. *Nutrient Cycling in Agroecosystems*, **2005**, 72, 267-278	3.3	163
40	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, 119-28	5.8	118
39	Quantifying the impact of climate change on enteric waterborne pathogen concentrations in surface water. *Current Opinion in Environmental Sustainability*, **2011**, 3, 471-479	7.2	88
38	Spatial variability in correlation decay distance and influence on angular-distance weighting interpolation of daily precipitation over Europe. *International Journal of Climatology*, **2009**, 29, 1872-1880	3.5	51
37	Global occurrence and emission of rotaviruses to surface waters. *Pathogens*, **2015**, 4, 229-55	4.5	48
36	Global multi-pollutant modelling of water quality: scientific challenges and future directions. *Current Opinion in Environmental Sustainability*, **2019**, 36, 116-125	7.2	45
35	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	6.9	41
34	Exploring global Cryptosporidium emissions to surface water. *Science of the Total Environment*, **2013**, 442, 10-9	10.2	40
33	Global modelling of surface water quality: a multi-pollutant approach. *Current Opinion in Environmental Sustainability*, **2016**, 23, 35-45	7.2	38
32	The Impact of Environmental Variables on Faecal Indicator Bacteria in the Betna River Basin, Bangladesh. *Environmental Processes*, **2017**, 4, 319-332	2.8	34
31	Impact of Climate Change on Flood Frequency and Intensity in the Kabul River Basin. *Geosciences (Switzerland)*, **2018**, 8, 114	2.7	34
30	Global Cryptosporidium Loads from Livestock Manure. *Environmental Science & Technology*, **2017**, 51, 8663-8671	10.3	33
29	The links between global carbon, water and nutrient cycles in an urbanizing world the case of coastal eutrophication. *Current Opinion in Environmental Sustainability*, **2013**, 5, 566-572	7.2	31

28	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	6.9	25
27	Cryptosporidium concentrations in rivers worldwide. *Water Research*, **2019**, 149, 202-214	12.5	25
26	Influence of climate variables on the concentration of Escherichia coli in the Rhine, Meuse, and Drentse Aa during 1985–2010. *Regional Environmental Change*, **2014**, 14, 307-319	4.3	24
25	Modelling the impact of sanitation, population growth and urbanization on human emissions of Cryptosporidium to surface waters: case study for Bangladesh and India. *Environmental Research Letters*, **2015**, 10, 094017	6.2	23
24	Model inter-comparison design for large-scale water quality models. *Current Opinion in Environmental Sustainability*, **2019**, 36, 59-67	7.2	21
23	Preparing suitable climate scenario data to assess impacts on local food safety. *Food Research International*, **2015**, 68, 31-40	7	18
22	Urbanization: an increasing source of multiple pollutants to rivers in the 21st century. *Npj Urban Sustainability*, **2021**, 1,		17
21	Microbial Water Quality: Monitoring and Modeling. *Journal of Environmental Quality*, **2018**, 47, 931-938	3.4	17
20	Advancing waterborne pathogen modelling: lessons from global nutrient export models. *Current Opinion in Environmental Sustainability*, **2015**, 14, 109-120	7.2	16
19	Modelling of river faecal indicator bacteria dynamics as a basis for faecal contamination reduction. *Journal of Hydrology*, **2018**, 563, 1000-1008	6	16
18	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	7.2	14
17	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	10.2	13
16	Editorial overview: Water quality: A new challenge for global scale model development and application. *Current Opinion in Environmental Sustainability*, **2019**, 36, A1-A5	7.2	9
15	Impacts of Climate and Management Variables on the Contamination of Preharvest Leafy Greens with Escherichia coli. *Journal of Food Protection*, **2016**, 79, 17-29	2.5	9
14	Why pathogens matter for meeting the united nationsasustainable development goal 6 on safely managed water and sanitation. *Water Research*, **2021**, 189, 116591	12.5	9
13	Modeling Escherichia coli fate and transport in the Kabul River Basin using SWAT. *Human and Ecological Risk Assessment (HERA)*, **2019**, 25, 1279-1297	4.9	6
12	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	6.9	5
11	Present and Future Human Emissions of Rotavirus and to Ugandaæs Surface Waters. *Journal of Environmental Quality*, **2018**, 47, 1130-1138	3.4	5

10	Reducing river export of nutrients and eutrophication in Lake Dianchi in the future. *Blue-Green Systems*, **2020**, 2, 73-90	5.2	4
9	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	1.9	4
8	What Is Safe Sanitation?. *Journal of Environmental Engineering, ASCE*, **2019**, 145, 02519002	2	3
7	Modelling the Present and Future Water Level and Discharge of the Tidal Betna River. *Geosciences (Switzerland)*, **2018**, 8, 271	2.7	3
6	Translating pathogen knowledge to practice for sanitation decision-making. *Journal of Water and Health*, **2019**, 17, 896-909	2.2	3
5	Multi-pollutant assessment of river pollution from livestock production worldwide.. *Water Research* , **2021**, 209, 117906	12.5	1
4	Modelling rotavirus concentrations in rivers: Assessing Ugandaâs present and future microbial water quality. *Water Research*, **2021**, 204, 117615	12.5	0
3	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	1.9	
2	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	7.2	
1	Bridging Science and Practice-Importance of Stakeholders in the Development of Decision Support: Lessons Learned. *Sustainability*, **2021**, 13, 5744	3.6	