Magdalena Bieroza

List of Publications by Year
in descending order

30 papers	1,432 citations	361045 20 h-index	476904 29 g-index
34 all docs	34 docs citations	34 times ranked	1611 citing authors

#	Article	IF	Citations
1	Nitrate concentrations and fluxes in the River Thames over 140 years (1868â€“2008): are increases irreversible?. Hydrological Processes, 2010, 24, 2657-2662.	1.1	132
2	The application of fluorescence spectroscopy to organic matter characterisation in drinking water treatment. Reviews in Environmental Science and Biotechnology, 2011, 10, 277-290.	3.9	126
3	Relating freshwater organic matter fluorescence to organic carbon removal efficiency in drinking water treatment. Science of the Total Environment, 2009, 407, 1765-1774.	3.9	125
4	Continuous fluorescence excitationâ€“emission matrix monitoring of river organic matter. Water Research, 2010, 44, 5356-5366.	5.3	112
5	Seasonal variation in phosphorus concentrationâ€“discharge hysteresis inferred from high-frequency in situ monitoring. Journal of Hydrology, 2015, 524, 333-347.	2.3	106
6	The concentration-discharge slope as a tool for water quality management. Science of the Total Environment, 2018, 630, 738-749.	3.9	96
7	Challenges of Reducing Phosphorus Based Water Eutrophication in the Agricultural Landscapes of Northwest Europe. Frontiers in Marine Science, 2018, 5, .	1.2	91
8	Classification and calibration of organic matter fluorescence data with multiway analysis methods and artificial neural networks: an operational tool for improved drinking water treatment. Environmetrics, 2011, 22, 256-270.	0.6	72
9	Characterisation of dissolved organic matter fluorescence properties by PARAFAC analysis and thermal quenching. Water Research, 2014, 61, 152-161.	5.3	64
10	Nitrate in United Kingdom Rivers: Policy and Its Outcomes Since 1970. Environmental Science & Technology, 2011, 45, 175-181.	4.6	60
11	Understanding nutrient biogeochemistry in agricultural catchments: the challenge of appropriate monitoring frequencies. Environmental Sciences: Processes and Impacts, 2014, 16, 1676-1691.	1.7	46
12	Fluorescence spectroscopy as a tool for determination of organic matter removal efficiency at water treatment works. Drinking Water Engineering and Science, 2010, 3, 63-70.	0.8	42
13	Exploratory analysis of excitationâ€“emission matrix fluorescence spectra with self-organizing mapsâ€”A tutorial. Education for Chemical Engineers, 2012, 7, e22-e31.	2.8	40
14	Exploratory analysis of excitationâ€emission matrix fluorescence spectra with selfâ€organizing maps as a basis for determination of organic matter removal efficiency at water treatment works. Journal of Geophysical Research, 2009, 114, .	3.3	37
15	Unravelling organic matter and nutrient biogeochemistry in groundwater-fed rivers under baseflow conditions: Uncertainty in in situ high-frequency analysis. Science of the Total Environment, 2016, 572, 1520-1533.	3.9	37
16	New data mining and calibration approaches to the assessment of water treatment efficiency. Advances in Engineering Software, 2012, 44, 126-135.	1.8	29
17	What is the deal with the Green Deal: Will the new strategy help to improve European freshwater quality beyond the Water Framework Directive?. Science of the Total Environment, 2021, 791, 148080.	3.9	27
18	Improving and testing geochemical speciation predictions of metal ions in natural waters. Water Research, 2014, 67, 276-291.	5.3	26

#	Article	IF	Citations
19	The Cold Region Critical Zone in Transition: Responses to Climate Warming and Land Use Change. Annual Review of Environment and Resources, 2021, 46, 111-134.	5.6	26
20	Land use, geology and soil properties control nutrient concentrations in headwater streams. Science of the Total Environment, 2021, 772, 145108.	3.9	25
21	Hydrologic Extremes and Legacy Sources Can Override Efforts to Mitigate Nutrient and Sediment Losses at the Catchment Scale. Journal of Environmental Quality, 2019, 48, 1314-1324.	1.0	22
22	Seasonal variation in nutrient retention in a free water surface constructed wetland monitored with flow-proportional sampling and optical sensors. Ecological Engineering, 2019, 139, 105588.	1.6	19
23	Fingerprinting hydrological and biogeochemical drivers of freshwater quality. Hydrological Processes, 2021, 35, e13973.	1.1	19
24	Storm size and hydrologic modification influence nitrate mobilization and transport in agricultural watersheds. Biogeochemistry, 2021, 156, 319-334.	1.7	16
25	Sources of riverine mercury across the Mackenzie River Basin; inferences from a combined Hg C isotopes and optical properties approach. Science of the Total Environment, 2022, 806, 150808.	3.9	11
26	Assessment of Low pH Coagulation Performance Using Fluorescence Spectroscopy. Journal of Environmental Engineering, ASCE, 2011, 137, 596-601.	0.7	10
27	Hydrological and Chemical Controls on Nutrient and Contaminant Loss to Water in Agricultural Landscapes. Water (Switzerland), 2020, 12, 3379.	1.2	7
28	Catchment controls of denitrification and nitrous oxide production rates in headwater remediated agricultural streams. Science of the Total Environment, 2022, 838, 156513.	3.9	6
29	Stable isotopic composition of raw and treated water. Water Management, 2014, 167, 414-429.	0.4	2
30	In-stream nutrient dynamics observed by automated high-frequency monitoring (River Leith, Cumbria,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0	