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	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
2	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
3	Fingerprinting hydrological and biogeochemical drivers of freshwater quality. Hydrological Processes, 2021, 35, e13973.	1.1	19
4	Land use, geology and soil properties control nutrient concentrations in headwater streams. Science of the Total Environment, 2021, 772, 145108.	3.9	25
5	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
6	Storm size and hydrologic modification influence nitrate mobilization and transport in agricultural watersheds. Biogeochemistry, 2021, 156, 319-334.	1.7	16
7	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
8	Hydrological and Chemical Controls on Nutrient and Contaminant Loss to Water in Agricultural Landscapes. Water (Switzerland), 2020, 12, 3379.	1.2	7
9	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
10	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
11	The concentration-discharge slope as a tool for water quality management. Science of the Total Environment, 2018, 630, 738-749.	3.9	96
12	Challenges of Reducing Phosphorus Based Water Eutrophication in the Agricultural Landscapes of Northwest Europe. Frontiers in Marine Science, 2018, 5, .	1.2	91
13	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
14	Seasonal variation in phosphorus concentrationâ€“discharge hysteresis inferred from high-frequency in situ monitoring. Journal of Hydrology, 2015, 524, 333-347.	2.3	106
15	Improving and testing geochemical speciation predictions of metal ions in natural waters. Water Research, 2014, 67, 276-291.	5.3	26
16	Understanding nutrient biogeochemistry in agricultural catchments: the challenge of appropriate monitoring frequencies. Environmental Sciences: Processes and Impacts, 2014, 16, 1676-1691.	1.7	46
17	Stable isotopic composition of raw and treated water. Water Management, 2014, 167, 414-429.	0.4	2
18	Characterisation of dissolved organic matter fluorescence properties by PARAFAC analysis and thermal quenching. Water Research, 2014, 61, 152-161.	5.3	64

#	Article	IF	Citations
19	New data mining and calibration approaches to the assessment of water treatment efficiency. Advances in Engineering Software, 2012, 44, 126-135.	1.8	29
20	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
21	Nitrate in United Kingdom Rivers: Policy and Its Outcomes Since 1970. Environmental Science & Technology, 2011, 45, 175-181.	4.6	60
22	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
23	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
24	Assessment of Low pH Coagulation Performance Using Fluorescence Spectroscopy. Journal of Environmental Engineering, ASCE, 2011, 137, 596-601.	0.7	10
25	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
26	Continuous fluorescence excitationâ€“emission matrix monitoring of river organic matter. Water Research, 2010, 44, 5356-5366.	5.3	112
27	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
28	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
29	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
30	In-stream nutrient dynamics observed by automated high-frequency monitoring (River Leith, Cumbria,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0	