Thomas H Miller

List of Publications by Year
in descending order

16	980	566801 15	940134 16
papers	citations	h-index	g-index

16	16	16	1438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review of the pharmaceutical exposome in aquatic fauna. Environmental Pollution, 2018, 239, 129-146.	3.7	189
2	DNA methylation-based forensic age prediction using artificial neural networks and next generation sequencing. Forensic Science International: Genetics, 2017, 28, 225-236.	1.6	170
3	Suspect screening of large numbers of emerging contaminants in environmental waters using artificial neural networks for chromatographic retention time prediction and high resolution mass spectrometry data analysis. Science of the Total Environment, 2015, 538, 934-941.	3.9	96
4	Biomonitoring of pesticides, pharmaceuticals and illicit drugs in a freshwater invertebrate to estimate toxic or effect pressure. Environment International, 2019, 129, 595-606.	4.8	83
5	Prediction of bioconcentration factors in fish and invertebrates using machine learning. Science of the Total Environment, 2019, 648, 80-89.	3.9	60
6	Pharmaceuticals in the freshwater invertebrate, Gammarus pulex, determined using pulverised liquid extraction, solid phase extraction and liquid chromatographyâ€“tandem mass spectrometry. Science of the Total Environment, 2015, 511, 153-160.	3.9	59
7	Prediction of Chromatographic Retention Time in High-Resolution Anti-Doping Screening Data Using Artificial Neural Networks. Analytical Chemistry, 2013, 85, 10330-10337.	3.2	54
8	Artificial neural network modelling of pharmaceutical residue retention times in wastewater extracts using gradient liquid chromatography-high resolution mass spectrometry data. Journal of Chromatography A, 2015, 1396, 34-44.	1.8	46
9	The First Attempt at Non-Linear in Silico Prediction of Sampling Rates for Polar Organic Chemical Integrative Samplers (POCIS). Environmental Science & Technology, 2016, 50, 7973-7981.	4.6	38
10	Targeted metabolomics of Gammarus pulex following controlled exposures to selected pharmaceuticals in water. Science of the Total Environment, 2016, 562, 777-788.	3.9	36
11	Machine Learning for Environmental Toxicology: A Call for Integration and Innovation. Environmental Science & Technology, 2018, 52, 12953-12955.	4.6	34
12	Uptake, biotransformation and elimination of selected pharmaceuticals in a freshwater invertebrate measured using liquid chromatography tandem mass spectrometry. Chemosphere, 2017, 183, 389-400.	4.2	31
13	Assessing the reliability of uptake and elimination kinetics modelling approaches for estimating bioconcentration factors in the freshwater invertebrate, Gammarus pulex. Science of the Total Environment, 2016, 547, 396-404.	3.9	30
14	Multicompartment and cross-species monitoring of contaminants of emerging concern in an estuarine habitat. Environmental Pollution, 2021, 270, 116300.	3.7	22
15	Environmental monitoring of urban streams using a primary fish gill cell culture system (FIGCS). Ecotoxicology and Environmental Safety, 2015, 120, 279-285.	2.9	18
16	The Use of Molecular Descriptors To Model Pharmaceutical Uptake by a Fish Primary Gill Cell Culture Epithelium. Environmental Science & Technology, 2019, 53, 1576-1584.	4.6	14