Thomas J Mcdonald

List of Publications by Year
in descending order

33 papers	2,461 citations	566801 15 h-index	433756 31 g-index
35 all docs	35 docs citations	35 times ranked	3148 citing authors

#	Article	IF	Citations
1	Occurrence and toxicity of antibiotics in the aquatic environment: A review. Chemosphere, 2020, 251, 126351.	4.2	748
2	A review of the influence of treatment strategies on antibiotic resistant bacteria and antibiotic resistance genes. Chemosphere, 2016, 150, 702-714.	4.2	557
3	Pharmaceuticals and personal care products in waters: occurrence, toxicity, and risk. Environmental Chemistry Letters, 2015, 13, 381-394.	8.3	280
4	Accelerated Oxidation of Organic Contaminants by Ferrate(VI): The Overlooked Role of Reducing Additives. Environmental Science & Technology, 2018, 52, 11319-11327.	4.6	150
5	Magnetic grapheneâ€“carbon nanotube iron nanocomposites as adsorbents and antibacterial agents for water purification. Advances in Colloid and Interface Science, 2015, 225, 229-240.	7.0	147
6	Biogeochemistry of selenium. A review. Environmental Chemistry Letters, 2015, 13, 49-58.	8.3	140
7	Assessment of toxicity of selenium and cadmium selenium quantum dots: A review. Chemosphere, 2017, 188, 403-413.	4.2	80
8	Elimination of antibiotic resistance genes and control of horizontal transfer risk by UV-based treatment of drinking water: A mini review. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	3.3	64
9	Comparing residential contamination in a Houston environmental justice neighborhood before and after Hurricane Harvey. PLoS ONE, 2018, 13, e0192660.	1.1	56
10	Confirming the Environmental Concerns of Community Members Utilizing Participatory-Based Research in the Houston Neighborhood of Manchester. International Journal of Environmental Research and Public Health, 2016, 13, 839.	1.2	26
11	Oxidation of antibiotics by ferrate(VI) in water: Evaluation of their removal efficiency and toxicity changes. Chemosphere, 2021, 277, 130365.	4.2	25
12	Temporal and spatial analysis of per and polyfluoroalkyl substances in surface waters of Houston ship channel following a large-scale industrial fire incident. Environmental Pollution, 2020, 265, 115009.	3.7	23
13	Decreased bioavailability of aminomethylphosphonic acid (AMPA) in genetically modified corn with activated carbon or calcium montmorillonite clay inclusion in soil. Journal of Environmental Sciences, 2021, 100, 131-143.	3.2	22
14	The Impacts of Exposure to Environmental Risk on Physical and Mental Health in a Small Geographic Community in Houston, TX. Journal of Community Health, 2017, 42, 813-818.	1.9	18
15	Occurrence, distribution and composition of aliphatic and polycyclic aromatic hydrocarbons in sediment cores from the Lower Fox River, Wisconsin, US. Environmental Science and Pollution Research, 2018, 25, 4974-4988.	2.7	17
16	Screening and confirmation of steroids and nitroimidazoles in urine, blood, and food matrices: Sample preparation methods and liquid chromatography tandem mass spectrometric separations. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 805-813.	1.4	16
17	Domestic Exposure to Polycyclic Aromatic Hydrocarbons in a Houston, Texas, Environmental Justice Neighborhood. Environmental Justice, 2018, 11, 183-191.	0.8	14
18	Overlooked Role of Chromium(V) and Chromium(IV) in Chromium Redox Reactions of Environmental Importance. ACS ES&T Water, 2022, 2, 932-942.	2.3	13

#	Article	IF	Citations
19	A Comparison of Two Methods for Fractionating Complex Mixtures in Preparation for Toxicity Analysis. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2003, 66, 1351-1370.	1.1	11
20	Using Spatial Analysis to Examine Potential Sources of Polycyclic Aromatic Hydrocarbons in an Environmental Justice Community After Hurricane Harvey. Environmental Justice, 2019, 12, 194-203.	0.8	10
21	Circulating Short-Chain Fatty Acids in Preterm Birth: A Pilot Case-Control Study. Reproductive Sciences, 2020, 27, 1181-1186.	1.1	8
22	A Dilute and Shoot Strategy for Determining Alternaria Toxins in Tomato-Based Samples and in Different Flours Using LC-IDMS Separation. Molecules, 2021, 26, 1017.	1.7	7
23	Polycyclic aromatic hydrocarbon status in post-hurricane Harvey sediments: Considerations for environmental sampling in the Galveston Bay/Houston Ship Channel region. Marine Pollution Bulletin, 2021, 162, 111872.	2.3	6
24	Biosensor applications in contaminated estuaries: Implications for disaster research response. Environmental Research, 2022, 204, 111893.	3.7	5
25	Cancer risk associated with soil distribution of polycyclic aromatic hydrocarbons within three environmental justice neighborhoods in Houston, Texas. Environmental Geochemistry and Health, 2023, 45, 333-342.	1.8	5
26	Determination of Thyreostats in Urine Using Supported Liquid Extraction and Mixed-Mode Cation-Exchange Solid-Phase Extraction: Screening and Confirmatory Methods. Journal of Chromatographic Science, 2018, 56, 858-866.	0.7	4
27	Characterizing baseline legacy chemical contamination in urban estuaries for disaster-research through systematic evidence mapping: A case study. Chemosphere, 2021, 281, 130925.	4.2	4
28	Biological Limitations of Dechlorination of cis-Dichloroethene during Transport in Porous Media. Environmental Science & Technology, 2018, 52, 684-691.	4.6	2
29	A Pilot Study of Changes in Environmental Knowledge and Behaviors among Head Start Employees and Parents Following Environmental Health Training in Webb County, TX. Journal of Immigrant and Minority Health, 2016, 18, 135-142.	0.8	1
30	Polycyclic Aromatic Hydrocarbons in Houston Parks After Hurricane Harvey. Environmental Justice, 2021, 14, 277-287.	0.8	1
31	Surveys of community garden affiliates and soils in Houston, Texas. Environmental Monitoring and Assessment, 2022, 194, 330.	1.3	1
32	Epidemiology Surveillance and Capacity Improvement: A Characterization of Texas, 2017. Disaster Medicine and Public Health Preparedness, 2021, , 1-8.	0.7	0
33	Changes to Timeliness and Completeness of Infectious Disease Reporting in Texas After Implementation of an Epidemiologic Capacity Program. Public Health Reports, 2021, , 003335492110094.	1.3	0