

# Matthew M Chumchal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1033942/publications.pdf>

Version: 2024-02-01

47  
papers

1,840  
citations

331538

21  
h-index

265120

42  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Riparian Spiders as Sentinels of Persistent and Bioavailable Chemical Contaminants in Aquatic Ecosystems: A Review. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 499-514.	2.2	15
2	Sentinel Riparian Spiders Predict Mercury Contamination of Riverine Fish. <i>Environmental Toxicology and Chemistry</i> , 2022, , .	2.2	0
3	Land use, season, and parasitism predict metal concentrations in Australian flying fox fur. <i>Science of the Total Environment</i> , 2022, 841, 156699.	3.9	9
4	Disentangling interactions among mercury, immunity and infection in a Neotropical bat community. <i>Journal of Applied Ecology</i> , 2021, 58, 879-889.	1.9	15
5	Effect of Body Size on Methylmercury Concentrations in Shoreline Spiders: Implications for Their Use as Sentinels. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1149-1154.	2.2	6
6	Mud Dauber Nests as Sources of Spiders in Mercury Monitoring Studies. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1335-1340.	2.2	1
7	Molecular diet analysis of the marine fish-eating bat ( <i>Myotis vivesi</i> ) and potential mercury exposure. <i>Canadian Journal of Zoology</i> , 2021, 99, 752-759.	0.4	3
8	Mislabelling and high mercury content hampers the efforts of market-based seafood initiatives in Peru. <i>Scientific Reports</i> , 2020, 10, 20390.	1.6	7
9	Ecological Factors Controlling Insect-Mediated Methyl Mercury Flux from Aquatic to Terrestrial Ecosystems: Lessons Learned from Mesocosm and Pond Experiments. , 2020, , 17-33.		4
10	Relationship Between Methylmercury Contamination and Proportion of Aquatic and Terrestrial Prey in Diets of Shoreline Spiders. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2503-2508.	2.2	22
11	Spatial patterns of mercury contamination and associated risk to piscivorous wading birds of the south central United States. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 160-166.	2.2	5
12	Seasonality of dipteran-mediated methylmercury flux from ponds. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1846-1851.	2.2	5
13	Correspondence between mercury and stable isotopes in high Arctic marine and terrestrial avian species from northwest Greenland. <i>Polar Biology</i> , 2018, 41, 1475-1491.	0.5	7
14	Mercury bioaccumulation in bats reflects dietary connectivity to aquatic food webs. <i>Environmental Pollution</i> , 2018, 233, 1076-1085.	3.7	53
15	Mercury contamination in bats from the central United States. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 160-165.	2.2	13
16	Predictors and immunological correlates of sublethal mercury exposure in vampire bats. <i>Royal Society Open Science</i> , 2017, 4, 170073.	1.1	45
17	Recovery of aquatic insect-mediated methylmercury flux from ponds following drying disturbance. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1986-1990.	2.2	7
18	Seasonality of odonate-mediated methylmercury flux from permanent and semipermanent ponds and potential risk to red-winged blackbirds ( <i>Agelaius phoeniceus</i> ). <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2833-2837.	2.2	19

#	ARTICLE	IF	CITATIONS
19	Abundance and size distribution of permanent and temporary farm ponds in the southeastern Great Plains. <i>Inland Waters</i> , 2016, 6, 258-264.	1.1	19
20	Disparity between state fish consumption advisory systems for methylmercury and US Environmental Protection Agency recommendations: A case study of the south central United States. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 247-251.	2.2	10
21	An environmental problem hidden in plain sight? Small Human-made ponds, emergent insects, and mercury contamination of biota in the Great Plains. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1197-1205.	2.2	45
22	Hg-contaminated terrestrial spiders pose a potential risk to songbirds at Caddo Lake (Texas/Louisiana). <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1197-1205.	2.2	37
23	Mercury Concentrations in Birds from Two Atmospherically Contaminated Sites in North Texas, USA. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 390-398.	2.1	10
24	Methyl mercury and stable isotopes of nitrogen reveal that a terrestrial spider has a diet of emergent aquatic insects. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2506-2509.	2.2	60
25	Biomagnification of Mercury in Aquatic Food Webs: A Worldwide Meta-Analysis. <i>Environmental Science &amp; Technology</i> , 2013, 47, 13385-13394.	4.6	686
26	Determination of mercury speciation in fish tissue with a direct mercury analyzer. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1237-1241.	2.2	32
27	Regional variation in mercury and stable isotopes of red snapper ( <i>Lutjanus campechanus</i> ) in the northern gulf of Mexico, USA. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 434-441.	2.2	18
28	Bottom-up nutrient and top-down fish impacts on insect-mediated mercury flux from aquatic ecosystems. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 612-618.	2.2	27
29	Effects of Fish on Emergent Insect-Mediated Flux of Methyl Mercury across a Gradient of Contamination. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1614-1619.	4.6	58
30	Effects of Mercury Deposition and Coniferous Forests on the Mercury Contamination of Fish in the South Central United States. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1274-1279.	4.6	45
31	Mercury bioaccumulation in estuarine food webs. <i>Ecological Applications</i> , 2012, 22, 606-623.	1.8	39
32	Effects of fish on mercury contamination of macroinvertebrate communities of Grassland ponds. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 870-876.	2.2	22
33	Laser Ablation ICP-MS Co-Localization of Mercury and Immune Response in Fish. <i>Environmental Science &amp; Technology</i> , 2011, 45, 8982-8988.	4.6	33
34	Mercury speciation and biomagnification in the food web of Caddo Lake, Texas and Louisiana, USA, a subtropical freshwater ecosystem. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1153-1162.	2.2	79
35	Landscape-level patterns of mercury contamination of fish in North Texas, USA. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2041-2045.	2.2	20
36	Spatial variability in the speciation and bioaccumulation of mercury in an arid subtropical reservoir ecosystem. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2300-2311.	2.2	5

#	ARTICLE	IF	CITATIONS
37	Sulfur stable isotope indicators of residency in estuarine fish. <i>Limnology and Oceanography</i> , 2011, 56, 1563-1576.	1.6	71
38	Use of preserved museum fish to evaluate historical and current mercury contamination in fish from two rivers in Oklahoma, USA. <i>Environmental Monitoring and Assessment</i> , 2010, 161, 509-516.	1.3	17
39	Factors influencing mercury accumulation in three species of forage fish from Caddo Lake, Texas, USA. <i>Journal of Environmental Sciences</i> , 2010, 22, 1158-1163.	3.2	6
40	Mercury contamination of the fish community of a semi-arid and arid river system: Spatial variation and the influence of environmental gradients. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1762-1772.	2.2	9
41	To Co-Author or Not to Co-Author: How to Write, Publish, and Negotiate Issues of Authorship with Undergraduate Research Students. <i>Science Signaling</i> , 2009, 2, tr3.	1.6	28
42	Ecological factors regulating mercury contamination of fish from Caddo Lake, Texas, USA. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 962-972.	2.2	52
43	Habitat-specific Differences in Mercury Concentration in a Top Predator from a Shallow Lake. <i>Transactions of the American Fisheries Society</i> , 2008, 137, 195-208.	0.6	32
44	Effect of Trawling and Habitat on Mercury Concentration in Juvenile Red Snapper from the Northern Gulf of Mexico. <i>Transactions of the American Fisheries Society</i> , 2008, 137, 1839-1850.	0.6	8
45	Mercury Concentrations in Fish from Lake Meredith, Texas: Implications for the Issuance of Fish Consumption Advisories. <i>Environmental Monitoring and Assessment</i> , 2006, 123, 249-258.	1.3	34
46	Biomass-dependent effects of common carp on water quality in shallow ponds. <i>Hydrobiologia</i> , 2005, 545, 271-277.	1.0	63
47	Interrelationships between phosphorus loading and common carp in the regulation of phytoplankton biomass. <i>Archiv für Hydrobiologie</i> , 2004, 161, 147-158.	1.1	39