

# Cheryl A Murphy

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,482  
citations

430874

18  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered Larval Yellow Perch Swimming Behavior Due to Methylmercury and PCB126 Detected Using Hidden Markov Chain Models. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3514-3523.	10.0	6
2	Exploring the Impacts of Methylmercury-Induced Behavioral Alterations in Larval Yellow Perch in Lake Michigan Using an Individual-Based Model. <i>Transactions of the American Fisheries Society</i> , 2020, 149, 664-680.	1.4	2
3	Building and Applying Quantitative Adverse Outcome Pathway Models for Chemical Hazard and Risk Assessment. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1850-1865.	4.3	105
4	High-throughput screening and environmental risk assessment: State of the science and emerging applications. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 12-26.	4.3	63
5	Linking Adverse Outcome Pathways to Dynamic Energy Budgets: A Conceptual Model. , 2018, , 281-302.		7
6	Evaluation of the thiamine dose-response relationship for lake trout ( <i>Salvelinus namaycush</i> ) fry using an individual based model. <i>Journal of Great Lakes Research</i> , 2018, 44, 1393-1404.	1.9	12
7	Incorporating Suborganismal Processes into Dynamic Energy Budget Models for Ecological Risk Assessment. <i>Integrated Environmental Assessment and Management</i> , 2018, 14, 615-624.	2.9	42
8	Using a Vitellogenesis Model to Link in vitro Neurochemical Effects of Pulp and Paper Mill Effluents to Adverse Reproductive Outcomes in Fish. , 2018, , 317-347.		1
9	Advancing Adverse Outcome Pathways for Risk Assessment. , 2018, , 1-14.		1
10	Neuroendocrine biochemical effects in methylmercury-exposed yellow perch. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 187, 10-18.	2.6	5
11	Differential physiological response to sea lamprey parasitism between lake trout ( <i>Salvelinus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2016, 73, 1815-1829.	1.4	13
12	Development and application of the adverse outcome pathway framework for understanding and predicting chronic toxicity: I. Challenges and research needs in ecotoxicology. <i>Chemosphere</i> , 2015, 120, 764-777.	8.2	167
13	Development and application of the adverse outcome pathway framework for understanding and predicting chronic toxicity: II. A focus on growth impairment in fish. <i>Chemosphere</i> , 2015, 120, 778-792.	8.2	71
14	Determining the effects of a mixture of an endocrine disrupting compound, 17 $\beta$ -ethinylestradiol, and ammonia on fathead minnow ( <i>Pimephales promelas</i> ) reproduction. <i>Chemosphere</i> , 2015, 120, 108-114.	8.2	13
15	Simulating the effects of global climate change on Atlantic croaker population dynamics in the mid-Atlantic Region. <i>Ecological Modelling</i> , 2013, 264, 98-114.	2.5	20
16	Toxicity of dietary methylmercury to fish: Derivation of ecologically meaningful threshold concentrations. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1536-1547.	4.3	141
17	Determining the effects of ammonia on fathead minnow ( <i>Pimephales promelas</i> ) reproduction. <i>Science of the Total Environment</i> , 2012, 420, 127-133.	8.0	35
18	Adverse outcome pathways and ecological risk assessment: Bridging to population-level effects. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 64-76.	4.3	195

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19	Maternal influences on population dynamics: evidence from an exploited freshwater fish. <i>Ecology</i> , 2010, 91, 2003-2012.	3.2	97
20	Evidence for harvest-induced maternal influences on the reproductive rates of fish populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 919-924.	2.6	103
21	Does hypoxia have population-level effects on coastal fish? Musings from the virtual world. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 381, S188-S203.	1.5	63
22	Testing and applying a fish vitellogenesis model to evaluate laboratory and field biomarkers of endocrine disruption in Atlantic croaker ( <i>Micropogonias undulatus</i> ) exposed to hypoxia. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1288-1303.	4.3	34
23	Modeling larval fish behavior: Scaling the sublethal effects of methylmercury to population-relevant endpoints. <i>Aquatic Toxicology</i> , 2008, 86, 470-484.	4.0	37
24	Maternal body burdens of methylmercury impair survival skills of offspring in Atlantic croaker ( <i>Micropogonias undulatus</i> ). <i>Aquatic Toxicology</i> , 2006, 80, 329-337.	4.0	69
25	Modeling vitellogenesis in female fish exposed to environmental stressors: predicting the effects of endocrine disturbance due to exposure to a PCB mixture and cadmium. <i>Reproductive Toxicology</i> , 2005, 19, 395-409.	2.9	56
26	Methyl-Testosterone Induces Male-Typical Ventilatory Behavior in Response to Putative Steroidal Pheromones in Female Round Gobies ( <i>Neogobius melanostomus</i> ). <i>Hormones and Behavior</i> , 2002, 42, 109-115.	2.1	30
27	Putative steroidal pheromones in the round goby, <i>Neogobius melanostomus</i> : olfactory and behavioral responses. <i>Journal of Chemical Ecology</i> , 2001, 27, 443-470.	1.8	94