

Richard E Connon

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,982
citations

218592

26
h-index

265120

42
g-index

59
all docs

59
docs citations

59
times ranked

2539
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect-Based Tools for Monitoring and Predicting the Ecotoxicological Effects of Chemicals in the Aquatic Environment. <i>Sensors</i> , 2012, 12, 12741-12771.	2.1	209
2	Pyrethroid Pesticides as Endocrine Disruptors: Molecular Mechanisms in Vertebrates with a Focus on Fishes. <i>Environmental Science & Technology</i> , 2016, 50, 8977-8992.	4.6	190
3	Linking Molecular and Population Stress Responses in <i>Daphnia magna</i> exposed to cadmium. <i>Environmental Science & Technology</i> , 2008, 42, 2181-2188.	4.6	94
4	Effects of high temperatures on threatened estuarine fishes during periods of extreme drought. <i>Journal of Experimental Biology</i> , 2016, 219, 1705-1716.	0.8	86
5	The utility of transcriptomics in fish conservation. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	82
6	Transcriptomic changes underlie altered egg protein production and reduced fecundity in an estuarine model fish exposed to bifenthrin. <i>Aquatic Toxicology</i> , 2016, 174, 247-260.	1.9	80
7	Linking mechanistic and behavioral responses to sublethal esfenvalerate exposure in the endangered delta smelt; <i>Hypomesus transpacificus</i> (Fam. Osmeridae). <i>BMC Genomics</i> , 2009, 10, 608.	1.2	63
8	The Role of Epigenomics in Aquatic Toxicology. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2565-2573.	2.2	56
9	Linking transcriptional responses to organismal tolerance reveals mechanisms of thermal sensitivity in a mesothermal endangered fish. <i>Molecular Ecology</i> , 2015, 24, 4960-4981.	2.0	51
10	Chronic exposures to low and high concentrations of ibuprofen elicit different gene response patterns in a euryhaline fish. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17397-17413.	2.7	47
11	Sublethal salinity stress contributes to habitat limitation in an endangered estuarine fish. <i>Evolutionary Applications</i> , 2016, 9, 963-981.	1.5	47
12	Coupled Downscaled Climate Models and Ecophysiological Metrics Forecast Habitat Compression for an Endangered Estuarine Fish. <i>PLoS ONE</i> , 2016, 11, e0146724.	1.1	46
13	Developmental exposure to environmentally relevant concentrations of bifenthrin alters transcription of mTOR and ryanodine receptor-dependent signaling molecules and impairs predator avoidance behavior across early life stages in inland silversides (<i>Menidia beryllina</i>). <i>Aquatic Toxicology</i> , 2019, 206, 1-13.	1.9	46
14	Multigenerational and Transgenerational Effects of Environmentally Relevant Concentrations of Endocrine Disruptors in an Estuarine Fish Model. <i>Environmental Science & Technology</i> , 2020, 54, 13849-13860.	4.6	45
15	Environmentally relevant concentrations of herbicides impact non-target species at multiple sublethal endpoints. <i>Science of the Total Environment</i> , 2017, 607-608, 733-743.	3.9	41
16	Bifenthrin causes transcriptomic alterations in mTOR and ryanodine receptor-dependent signaling and delayed hyperactivity in developing zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2018, 200, 50-61.	1.9	41
17	Gene expression responses of threespine stickleback to salinity: implications for salt-sensitive hypertension. <i>Frontiers in Genetics</i> , 2014, 5, 312.	1.1	39
18	A long-term assessment of pesticide mixture effects on aquatic invertebrate communities. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 218-232.	2.2	38

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19	The use of growth and behavioral endpoints to assess the effects of pesticide mixtures upon aquatic organisms. <i>Ecotoxicology</i> , 2015, 24, 746-759.	1.1	36
20	From Omics to Otoliths: Responses of an Estuarine Fish to Endocrine Disrupting Compounds across Biological Scales. <i>PLoS ONE</i> , 2013, 8, e74251.	1.1	36
21	Transcription Profiling in Environmental Diagnostics: Health Assessments in Columbia River Basin Steelhead (<i>Oncorhynchus mykiss</i>). <i>Environmental Science & Technology</i> , 2012, 46, 6081-6087.	4.6	35
22	Early Life Exposure to Environmentally Relevant Levels of Endocrine Disruptors Drive Multigenerational and Transgenerational Epigenetic Changes in a Fish Model. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	35
23	Linking molecular biomarkers with higher level condition indicators to identify effects of copper exposures on the endangered delta smelt (<i>Hypomesus transpacificus</i>). <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 290-300.	2.2	34
24	Sublethal responses to ammonia exposure in the endangered delta smelt; <i>Hypomesus transpacificus</i> (Fam. Osmeridae). <i>Aquatic Toxicology</i> , 2011, 105, 369-377.	1.9	32
25	Scaling Up Endocrine Disruption Effects from Individuals to Populations: Outcomes Depend on How Many Males a Population Needs. <i>Environmental Science & Technology</i> , 2017, 51, 1802-1810.	4.6	30
26	Direct and indirect parental exposure to endocrine disruptors and elevated temperature influences gene expression across generations in a euryhaline model fish. <i>PeerJ</i> , 2019, 7, e6156.	0.9	29
27	Multiple sub-lethal thresholds for cellular responses to thermal stressors in an estuarine fish. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 225, 33-45.	0.8	28
28	Contaminant exposure effects in a changing climate: how multiple stressors can multiply exposure effects in the amphipod <i>Hyalella azteca</i> . <i>Ecotoxicology</i> , 2018, 27, 845-859.	1.1	25
29	Trophic transfer, bioaccumulation and transcriptomic effects of permethrin in inland silversides, <i>Menidia beryllina</i> , under future climate scenarios. <i>Environmental Pollution</i> , 2021, 275, 116545.	3.7	22
30	Assessments at multiple levels of biological organization allow for an integrative determination of physiological tolerances to turbidity in an endangered fish species. , 2016, 4, cow004.		21
31	An assessment of direct and indirect effects of two herbicides on aquatic communities. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2234-2244.	2.2	21
32	The relationship between mitochondrial DNA copy number and stallion sperm function. <i>Theriogenology</i> , 2017, 94, 94-99.	0.9	19
33	Differential regulation of select osmoregulatory genes and Na ⁺ /K ⁺ -ATPase paralogs may contribute to population differences in salinity tolerance in a semi-anadromous fish. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 240, 110584.	0.8	19
34	Bifenthrin exposure causes hyperactivity in early larval stages of an endangered fish species at concentrations that occur during their hatching season. <i>Aquatic Toxicology</i> , 2020, 228, 105611.	1.9	16
35	Exposure to permethrin or chlorpyrifos causes differential dose- and time-dependent behavioral effects at early larval stages of an endangered teleost species. <i>Endangered Species Research</i> , 2021, 44, 89-103.	1.2	16
36	Salinity Changes the Dynamics of Pyrethroid Toxicity in Terms of Behavioral Effects on Newly Hatched Delta Smelt Larvae. <i>Toxics</i> , 2021, 9, 40.	1.6	15

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37	Agricultural surface water, imidacloprid, and chlorantraniliprole result in altered gene expression and receptor activation in <i>Pimephales promelas</i> . <i>Science of the Total Environment</i> , 2022, 806, 150920.	3.9	15
38	Expression and function of ryanodine receptor related pathways in PCB tolerant Atlantic killifish (<i>Fundulus heteroclitus</i>) from New Bedford Harbor, MA, USA. <i>Aquatic Toxicology</i> , 2015, 159, 156-166.	1.9	14
39	Contaminant Effects on California Bayâ€œDelta Species and Human Health. <i>San Francisco Estuary and Watershed Science</i> , 2016, 14, .	0.2	14
40	Stressor interactions in freshwater habitats: Effects of cold water exposure and food limitation on earlyâ€œlife growth and upper thermal tolerance in white sturgeon, <i>Acipenser transmontanus</i> . <i>Freshwater Biology</i> , 2019, 64, 348-358.	1.2	14
41	Transcriptional flexibility during thermal challenge corresponds with expanded thermal tolerance in an invasive compared to native fish. <i>Evolutionary Applications</i> , 2021, 14, 931-949.	1.5	14
42	Changes in <i>Menidia beryllina</i> Gene Expression and In Vitro Hormone-Receptor Activation After Exposure to Estuarine Waters Near Treated Wastewater Outfalls. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 71, 210-223.	2.1	13
43	Developmental staging and salinity tolerance in embryos of the delta smelt, <i>Hypomesus transpacificus</i> . <i>Aquaculture</i> , 2019, 511, 634191.	1.7	12
44	Integrating physiological data with the conservation and management of fishes: a meta-analytical review using the threatened green sturgeon (<i>Acipenser medirostris</i>). , 2019, 7, coz035.		11
45	Environmentally relevant concentrations of bifenthrin affect the expression of estrogen and glucocorticoid receptors in brains of female western mosquitofish. <i>Aquatic Toxicology</i> , 2019, 209, 121-131.	1.9	10
46	Fitness costs of pesticide resistance in <i>Hyalella azteca</i> under future climate change scenarios. <i>Science of the Total Environment</i> , 2021, 753, 141945.	3.9	9
47	Species and population specific gene expression in blood transcriptomes of marine turtles. <i>BMC Genomics</i> , 2021, 22, 346.	1.2	9
48	Enhanced trophic transfer of chlorpyrifos from resistant <i>Hyalella azteca</i> to inland silversides (<i>Menidia beryllina</i>) and effects on acetylcholinesterase activity and swimming performance at varying temperatures. <i>Environmental Pollution</i> , 2021, 291, 118217.	3.7	9
49	10-Day survival of <i>Hyalella azteca</i> as a function of water quality parameters. <i>Ecotoxicology and Environmental Safety</i> , 2015, 115, 250-256.	2.9	8
50	Pyrethroid bioaccumulation in field-collected insecticide-resistant <i>Hyalella azteca</i> . <i>Ecotoxicology</i> , 2021, 30, 514-523.	1.1	8
51	Cytochrome P4501A mRNA and protein induction in striped bass (<i>Morone saxatilis</i>). <i>Fish Physiology and Biochemistry</i> , 2012, 38, 1107-1116.	0.9	7
52	Using Mutations for Pesticide Resistance to Identify the Cause of Toxicity in Environmental Samples. <i>Environmental Science & Technology</i> , 2018, 52, 859-867.	4.6	7
53	Chemical and Toxicological Impacts to Cache Slough Following Storm-Driven Contaminant Inputs. <i>San Francisco Estuary and Watershed Science</i> , 2019, 17, .	0.2	7
54	Molecular and biochemical evaluation of effects of malathion, phenanthrene and cadmium on <i>Chironomus sancticarloi</i> (Diptera: Chironomidae) larvae. <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111953.	2.9	7

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55	Bioaccumulation potential of chlorpyrifos in resistant <i>Hyalella azteca</i> : Implications for evolutionary toxicology. <i>Environmental Pollution</i> , 2021, 289, 117900.	3.7	7
56	Transcriptomic profiling of mTOR and ryanodine receptor signaling molecules in developing zebrafish in the absence and presence of PCB 95. <i>PeerJ</i> , 2017, 5, e4106.	0.9	7
57	Effects of temperature and salinity on bioconcentration and toxicokinetics of permethrin in pyrethroid-resistant <i>Hyalella azteca</i> . <i>Chemosphere</i> , 2022, 299, 134393.	4.2	4
58	Eyes to the Future: Approaches To Assess Pesticide Impact on Surface Waters in a Changing Climate. <i>ACS Symposium Series</i> , 2019, , 189-214.	0.5	3
59	Review of and Recommendations for Monitoring Contaminants and their Effects in the San Francisco BayâDelta. <i>San Francisco Estuary and Watershed Science</i> , 2019, 17, .	0.2	3