

Richard E Connon

List of Publications by Year in descending order

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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	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
2	Effects of temperature and salinity on bioconcentration and toxicokinetics of permethrin in pyrethroid-resistant <i>Hyaella azteca</i> . <i>Chemosphere</i> , 2022, 299, 134393.	4.2	4
3	Fitness costs of pesticide resistance in <i>Hyaella azteca</i> under future climate change scenarios. <i>Science of the Total Environment</i> , 2021, 753, 141945.	3.9	9
4	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
5	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
6	Pyrethroid bioaccumulation in field-collected insecticide-resistant <i>Hyaella azteca</i> . <i>Ecotoxicology</i> , 2021, 30, 514-523.	1.1	8
7	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
8	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
9	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
10	Species and population specific gene expression in blood transcriptomes of marine turtles. <i>BMC Genomics</i> , 2021, 22, 346.	1.2	9
11	Bioaccumulation potential of chlorpyrifos in resistant <i>Hyaella azteca</i> : Implications for evolutionary toxicology. <i>Environmental Pollution</i> , 2021, 289, 117900.	3.7	7
12	Enhanced trophic transfer of chlorpyrifos from resistant <i>Hyaella 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
13	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
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	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
16	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
17	Stressor interactions in freshwater habitats: Effects of cold water exposure and food limitation on early life growth and upper thermal tolerance in white sturgeon, <i>Acipenser transmontanus</i> . <i>Freshwater Biology</i> , 2019, 64, 348-358.	1.2	14
18	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, co035.		11

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19	Developmental staging and salinity tolerance in embryos of the delta smelt, <i>Hypomesus transpacificus</i> . <i>Aquaculture</i> , 2019, 511, 634-191.	1.7	12
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	The utility of transcriptomics in fish conservation. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	82
28	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
29	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
30	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
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	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
33	The relationship between mitochondrial DNA copy number and stallion sperm function. <i>Theriogenology</i> , 2017, 94, 94-99.	0.9	19
34	The Role of Epigenomics in Aquatic Toxicology. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2565-2573.	2.2	56
35	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
36	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

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37	Contaminant Effects on California Bayâ€Delta Species and Human Health. San Francisco Estuary and Watershed Science, 2016, 14, .	0.2	14
38	Coupled Downscaled Climate Models and Ecophysiological Metrics Forecast Habitat Compression for an Endangered Estuarine Fish. PLoS ONE, 2016, 11, e0146724.	1.1	46
39	Sublethal salinity stress contributes to habitat limitation in an endangered estuarine fish. Evolutionary Applications, 2016, 9, 963-981.	1.5	47
40	A long-term assessment of pesticide mixture effects on aquatic invertebrate communities. Environmental Toxicology and Chemistry, 2016, 35, 218-232.	2.2	38
41	Transcriptomic changes underlie altered egg protein production and reduced fecundity in an estuarine model fish exposed to bifenthrin. Aquatic Toxicology, 2016, 174, 247-260.	1.9	80
42	Changes in Menidia beryllina Gene Expression and In Vitro Hormone-Receptor Activation After Exposure to Estuarine Waters Near Treated Wastewater Outfalls. Archives of Environmental Contamination and Toxicology, 2016, 71, 210-223.	2.1	13
43	Pyrethroid Pesticides as Endocrine Disruptors: Molecular Mechanisms in Vertebrates with a Focus on Fishes. Environmental Science & Technology, 2016, 50, 8977-8992.	4.6	190
44	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
45	Effects of high temperatures on threatened estuarine fishes during periods of extreme drought. Journal of Experimental Biology, 2016, 219, 1705-1716.	0.8	86
46	Linking transcriptional responses to organismal toleranceÂreveals mechanisms of thermal sensitivity inÂmesothermal endangered fish. Molecular Ecology, 2015, 24, 4960-4981.	2.0	51
47	The use of growth and behavioral endpoints to assess the effects of pesticide mixtures upon aquatic organisms. Ecotoxicology, 2015, 24, 746-759.	1.1	36
48	Expression and function of ryanodine receptor related pathways in PCB tolerant Atlantic killifish (Fundulus heteroclitus) from New Bedford Harbor, MA, USA. Aquatic Toxicology, 2015, 159, 156-166.	1.9	14
49	10-Day survival of Hyalella azteca as a function of water quality parameters. Ecotoxicology and Environmental Safety, 2015, 115, 250-256.	2.9	8
50	Chronic exposures to low and high concentrations of ibuprofen elicit different gene response patterns in a euryhaline fish. Environmental Science and Pollution Research, 2015, 22, 17397-17413.	2.7	47
51	Gene expression responses of threespine stickleback to salinity: implications for salt-sensitive hypertension. Frontiers in Genetics, 2014, 5, 312.	1.1	39
52	From âOmics to Otoliths: Responses of an Estuarine Fish to Endocrine Disrupting Compounds across Biological Scales. PLoS ONE, 2013, 8, e74251.	1.1	36
53	Transcription Profiling in Environmental Diagnostics: Health Assessments in Columbia River Basin Steelhead (<i>Oncorhynchus mykiss</i>). Environmental Science & Technology, 2012, 46, 6081-6087.	4.6	35
54	Effect-Based Tools for Monitoring and Predicting the Ecotoxicological Effects of Chemicals in the Aquatic Environment. Sensors, 2012, 12, 12741-12771.	2.1	209

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55	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
56	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
57	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
58	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
59	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