

Catherine A Richter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

2,857
citations

19
h-index

33
g-index

33
ext. papers

3,300
ext. citations

4.5
avg, IF

4.63
L-index

#	Paper	IF	Citations
29	In vivo effects of bisphenol A in laboratory rodent studies. <i>Reproductive Toxicology</i> , 2007 , 24, 199-224	3.4	886
28	Estrogenic chemicals in plastic and oral contraceptives disrupt development of the fetal mouse prostate and urethra. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7014-9	11.5	316
27	Quantification of eDNA shedding rates from invasive bighead carp <i>Hypophthalmichthys nobilis</i> and silver carp <i>Hypophthalmichthys molitrix</i> . <i>Biological Conservation</i> , 2015 , 183, 77-84	6.2	233
26	Atrazine reduces reproduction in fathead minnow (<i>Pimephales promelas</i>). <i>Aquatic Toxicology</i> , 2010 , 99, 149-59	5.1	111
25	Estradiol and Bisphenol A stimulate androgen receptor and estrogen receptor gene expression in fetal mouse prostate mesenchyme cells. <i>Environmental Health Perspectives</i> , 2007 , 115, 902-8	8.4	105
24	Reporting the limits of detection and quantification for environmental DNA assays. <i>Environmental DNA</i> , 2020 , 2, 271-282	7.6	93
23	Experimental observations on the decay of environmental DNA from bighead and silver carps. <i>Management of Biological Invasions</i> , 2017 , 8, 343-359	2.2	58
22	Estrogenic environmental chemicals and drugs: mechanisms for effects on the developing male urogenital system. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011 , 127, 83-95	5.1	52
21	The importance of appropriate controls, animal feed, and animal models in interpreting results from low-dose studies of bisphenol A. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2005 , 73, 140-5		52
20	An in vitro rainbow trout cell bioassay for aryl hydrocarbon receptor-mediated toxins. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 543-550	3.8	51
19	Atrazine reduces reproduction in Japanese medaka (<i>Oryzias latipes</i>). <i>Aquatic Toxicology</i> , 2014 , 154, 230-9.1	3.1	49
18	First direct confirmation of grass carp spawning in a Great Lakes tributary. <i>Journal of Great Lakes Research</i> , 2016 , 42, 899-903	3	46
17	The genomic transcriptional response of female fathead minnows (<i>Pimephales promelas</i>) to an acute exposure to the androgen, 17beta-trenbolone. <i>Aquatic Toxicology</i> , 2009 , 91, 44-53	5.1	43
16	Gene expression changes in female zebrafish (<i>Danio rerio</i>) brain in response to acute exposure to methylmercury. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 301-8	3.8	38
15	Regulation of subcellular localization of the aryl hydrocarbon receptor (AhR). <i>Archives of Biochemistry and Biophysics</i> , 2001 , 389, 207-17	4.1	37
14	Thiamine deficiency in fishes: causes, consequences, and potential solutions. <i>Reviews in Fish Biology and Fisheries</i> , 2018 , 28, 865-886	6	28
13	Dose-related estrogen effects on gene expression in fetal mouse prostate mesenchymal cells. <i>PLoS ONE</i> , 2012 , 7, e48311	3.7	20

12	Dreissenid mussels from the Great Lakes contain elevated thiaminase activity. <i>Journal of Great Lakes Research</i> , 2009 , 35, 309-312	3	19
11	Evaluation of potential mechanisms of atrazine-induced reproductive impairment in fathead minnow (<i>Pimephales promelas</i>) and Japanese medaka (<i>Oryzias latipes</i>). <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2230-8	3.8	18
10	Methylmercury-induced changes in gene transcription associated with neuroendocrine disruption in largemouth bass (<i>Micropterus salmoides</i>). <i>General and Comparative Endocrinology</i> , 2014 , 203, 215-224 ³		15
9	Metabarcoding of Environmental DNA Samples to Explore the Use of Uranium Mine Containment Ponds as a Water Source for Wildlife. <i>Diversity</i> , 2017 , 9, 54	2.5	14
8	Commercial animal feed: variability in estrogenic activity and effects on body weight in mice. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2005 , 73, 474-5		8
7	Metabarcoding assays for the detection of freshwater mussels (Unionida) with environmental DNA. <i>Environmental DNA</i> , 2021 , 3, 231-247	7.6	5
6	Prostate Development: Mechanisms for Opposite Effects of Low and High Doses of Estrogenic Chemicals 2004 , 379-410		2
5	Use of Environmental DNA to Detect Grass Carp Spawning Events. <i>Fishes</i> , 2020 , 5, 27	2.5	2
4	A Comparison of eDNA and Visual Survey Methods for Detection of Longnose Darter <i>Percina nasuta</i> in Missouri. <i>Fishes</i> , 2022 , 7, 70	2.5	2
3	A reply to Iversen et al.'s comment Monitoring of animal abundance by environmental DNA [An increasingly obscure perspective] <i>Biological Conservation</i> , 2015 , 192, 481-482	6.2	1
2	Prostate Development 2004 , 379-410		1
1	Identification of the thiamin pyrophosphokinase gene in rainbow trout: characteristic structure and expression of seven splice variants in tissues and cell lines and during embryo development. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012 , 163, 193-202	2.3	