Michael C Newman

List of Publications by Citations

68 papers	2,137 citations	25 h-index	44 g-index
69 ext. papers	2,302 ext. citations	4.4 avg, IF	4.68 L-index

#	Paper	IF	Citations
68	Applying species-sensitivity distributions in ecological risk assessment: Assumptions of distribution type and sufficient numbers of species. *Environmental Toxicology and Chemistry*, **2000**, 19, 508-515	3.8	223
67	What level of effect is a no observed effect?. *Environmental Toxicology and Chemistry*, **2000**, 19, 516-519	3.8	141
66	Regression analysis of log-transformed data: Statistical bias and its correction. *Environmental Toxicology and Chemistry*, **1993**, 12, 1129-1133	3.8	135
65	Predicting the relative toxicity of metal ions using ion characteristics: Microtox® bioluminescence assay. *Environmental Toxicology and Chemistry*, **1996**, 15, 1730-1737	3.8	105
64	Use of ion characteristics to predict relative toxicity of mono-, di- and trivalent metal ions: Caenorhabditis elegans LC50. *Aquatic Toxicology*, **1998**, 42, 255-269	5.1	84
63	ESTIMATING MEAN AND VARIANCE FOR ENVIRONMENTAL SAMPLES WITH BELOW DETECTION LIMIT OBSERVATIONS1. *Journal of the American Water Resources Association*, **1989**, 25, 905-916	2.1	81
62	"What exactly are you inferring?" A closer look at hypothesis testing. *Environmental Toxicology and Chemistry*, **2008**, 27, 1013-9	3.8	80
61	Predicting relative toxicity and interactions of divalent metal ions: Microtox® bioluminescence assay. *Environmental Toxicology and Chemistry*, **1996**, 15, 275-281	3.8	70
60	Time-to-event analyses of ecotoxicity data. *Ecotoxicology*, **1996**, 5, 187-96	2.9	64
59	Appropriateness of Aufwuchs as a monitor of bioaccumulation. *Environmental Pollution*, **1989**, 60, 83-100	9.3	59
58	Allozyme genotype and time to death of mosquitofish, Gambusia affinis (baird and girard), during acute exposure to inorganic mercury. *Environmental Toxicology and Chemistry*, **1989**, 8, 613-622	3.8	56
57	Predicting relative metal toxicity with ion characteristics: Caenorhabditis elegans LC50. *Aquatic Toxicology*, **1997**, 39, 279-290	5.1	55
56	Genetic structure of Fundulus heteroclitus from PAH-contaminated and neighboring sites in the Elizabeth and York Rivers. *Aquatic Toxicology*, **2002**, 61, 195-209	5.1	54
55	Allozyme genotype and time to death of mosquitofish, Gambusia affinis (Baird and Girard) during acute toxicant exposure: a comparison of arsenate and inorganic mercury. *Aquatic Toxicology*, **1989**, 15, 141-156	5.1	52
54	. *Environmental Toxicology and Chemistry*, **2002**, 21, 1897	3.8	48
53	Geochemical factors complicating the use of aufwuchs to monitor bioaccumulation of arsenic, cadmium, chromium, copper and zinc. *Water Research*, **1985**, 19, 1157-1165	12.5	45
52	The individual tolerance concept is not the sole explanation for the probit dose-effect model. *Environmental Toxicology and Chemistry*, **2000**, 19, 520-526	3.8	44

51	. *Environmental Toxicology and Chemistry*, **1989**, 8, 613	3.8	44
50	Size-dependence of mercury (II) accumulation kinetics in the mosquitofish, Gambusia affinis (Baird and Girard). *Archives of Environmental Contamination and Toxicology*, **1989**, 18, 819-25	3.2	43
49	Enhancing toxicity data interpretation and prediction of ecological risk with survival time modeling: an illustration using sodium chloride toxicity to mosquitofish (Gambusia holbrooki). *Aquatic Toxicology*, **1992**, 23, 85-96	5.1	38
48	Genetic structure and mtDNA diversity of Fundulus heteroclitus populations from polycyclic aromatic hydrocarbon-contaminated sites. *Environmental Toxicology and Chemistry*, **2003**, 22, 671-677	3.8	36
47	Size dependence of zinc elimination and uptake from water by mosquitofish Gambusia affinis (Baird and Girard). *Aquatic Toxicology*, **1988**, 12, 17-32	5.1	36
46	Genetic and demographic responses of mosquitofish (Gambusia holbrooki girard 1859) populations stressed by mercury. *Environmental Toxicology and Chemistry*, **1995**, 14, 1411-1418	3.8	33
45	Bootstrap estimation of community NOEC values. *Ecotoxicology*, **1997**, 6, 293-306	2.9	31
44	High mercury concentrations reflect trophic ecology of three deep-water chondrichthyans. *Archives of Environmental Contamination and Toxicology*, **2011**, 60, 618-25	3.2	25
43	Seasonal variations of trace elements in dissolved and suspended loads for coal ash ponds and pond effluents. *Water, Air, and Soil Pollution*, **1985**, 26, 111-128	2.6	24
42	Floodplain methylmercury biomagnification factor higher than that of the contiguous river (South River, Virginia USA). *Environmental Pollution*, **2011**, 159, 2840-4	9.3	23
41	Bayesian Networks Improve Causal Environmental Assessments for Evidence-Based Policy. *Environmental Science & Technology*, **2016**, 50, 13195-13205	10.3	23
40	Genetic and demographic responses of mosquitofish (Gambusia holbrooki) populations exposed to mercury for multiple generations. *Environmental Toxicology and Chemistry*, **1999**, 18, 2840-2845	3.8	22
39	The influence of lead in components of a freshwater ecosystem on molluscan tissue lead concentrations. *Aquatic Toxicology*, **1982**, 2, 1-19	5.1	22
38	Modeling mercury biomagnification (South River, Virginia, USA) to inform river management decision making. *Environmental Toxicology and Chemistry*, **2010**, 29, 1013-20	3.8	20
37	Influence diagrams as decision-making tools for pesticide risk management. *Integrated Environmental Assessment and Management*, **2012**, 8, 339-50	2.5	19
36	Effect of mercury and Gpi-2 genotype on standard metabolic rate of eastern mosquitofish (Gambusia holbrooki). *Environmental Toxicology and Chemistry*, **2001**, 20, 782-786	3.8	19
35	Methyl mercury toxicokinetics in channel catfish (Ictalurus punctatus) and largemouth bass (Micropterus salmoides) after intravascular administration. *Environmental Toxicology and Chemistry*, **1997**, 16, 990-996	3.8	18
34	A community-based assessment of seafood consumption along the lower James River, Virginia, USA: potential sources of dietary mercury exposure. *Environmental Research*, **2010**, 110, 213-9	7.9	16

33	Mercury-contaminated sediments affect amphipod feeding. *Archives of Environmental Contamination and Toxicology*, **2011**, 60, 437-43	3.2	15
32	Glycolysis and krebs cycle metabolites in mosquitofish, Gambusia holbrooki, Girard 1859, exposed to mercuric chloride: Allozyme genotype effects. *Environmental Toxicology and Chemistry*, **1992**, 11, 357-364	3.8	15
31	Prediction of contaminant accumulation by free-living organisms: Applications of a sigmoidal model. *Environmental Toxicology and Chemistry*, **1990**, 9, 141-149	3.8	15
30	Geochemical factors complicating the use of aufwuchs as a biomonitor for lead levels in two New Jersey reservoirs. *Water Research*, **1983**, 17, 625-630	12.5	15
29	Inhibition of glucosephosphate isomerase allozymes of the mosquitofish, Gambusia holbrooki, by Mercury. *Environmental Toxicology and Chemistry*, **1994**, 13, 9-14	3.8	14
28	Allozymes Reflect the Population-Level Effect of Mercury: Simulations of the Mosquitofish (Gambusia holbrooki Girard) GPI-2 Response. *Ecotoxicology*, **1998**, 7, 141-150	2.9	13
27	Variation of 137Cs levels between sexes, body sizes and collection localities of mosquitofish, Gambusia holbrooki (Girard 1859), inhabiting a reactor cooling reservoir. *Journal of Environmental Radioactivity*, **1990**, 12, 131-141	2.4	13
26	Mercury exposure as a function of fish consumption in two Asian communities in coastal Virginia, USA. *Archives of Environmental Contamination and Toxicology*, **2015**, 68, 462-75	3.2	12
25	Effects of two sorbents applied to mercury-contaminated river sediments on bioaccumulation in and detrital processing by Hyalella azteca. *Journal of Soils and Sediments*, **2015**, 15, 1265-1274	3.4	12
24	Genetic and demographic responses of mercury-exposed mosquitofish (Gambusia holbrooki) populations: Temporal stability and reproductive components of fitness. *Environmental Toxicology and Chemistry*, **2002**, 21, 2191-2197	3.8	12
23	Expanding perceptions of subsistence fish consumption: evidence of high commercial fish consumption and dietary mercury exposure in an urban coastal community. *Science of the Total Environment*, **2012**, 416, 111-20	10.2	11
22	Mercury contamination and population-level responses in chironomids: Can allozyme polymorphism indicate exposure?. *Environmental Toxicology and Chemistry*, **1996**, 15, 1309-1316	3.8	11
21	Changes in concentrations of glycolysis and Krebs cycle metabolites in mosquitofish,Gambusia holbrooki, induced by mercuric chloride and starvation. *Environmental Biology of Fishes*, **1992**, 34, 315-320	1.6	10
20	Slow accumulation of lead from contaminated food sources by the freshwater gastropods,Physa integra andCampeloma decisum. *Archives of Environmental Contamination and Toxicology*, **1983**, 12, 685-691	3.2	10
19	Quantitative Ecotoxicology		10
18	Lead elimination and size effects on accumulation by two freshwater gastropods. *Archives of Environmental Contamination and Toxicology*, **1983**, 12, 25-29	3.2	9
17	An ecologically framed mercury survey of finfish of the lower Chesapeake Bay. *Archives of Environmental Contamination and Toxicology*, **2013**, 65, 510-20	3.2	8
16	Quantifying animal size effects on toxicity: a general approach. *Aquatic Toxicology*, **1994**, 28, 1-12	5.1	7

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15	A statistical bias in the derivation of hardness-dependent metals criteria. *Environmental Toxicology and Chemistry*, **1991**, 10, 1295-1297	3.8	7
14	Misuse of null hypothesis significance testing: would estimation of positive and negative predictive values improve certainty of chemical risk assessment?. *Environmental Science and Pollution Research* , **2013**, 20, 7341-7	5.1	5
13	Higher and more variable methylmercury biomagnification factors for floodplain than the contiguous river (South River, Virginia USA). *Ecotoxicology and Environmental Safety*, **2013**, 92, 191-8	7	5
12	. *Environmental Toxicology and Chemistry*, **1999**, 18, 2840	3.8	4
11	Regression analysis of log-transformed data: Statistical bias and its correction **1993**, 12, 1129		4
10	Projected Hg dietary exposure of 3 bird species nesting on a contaminated floodplain (South River, Virginia, USA). *Integrated Environmental Assessment and Management*, **2013**, 9, 285-93	2.5	3
9	Does Pesticide Risk Assessment in the European Union Assess Long-Term Effects?. *Reviews of Environmental Contamination and Toxicology*, **2006**, 1-65	3.5	3
8	Mercury contamination and population-level responses in chironomids: Can allozyme polymorphism indicate exposure? **1996**, 15, 1309		2
7	Does Pesticide Risk Assessment in the European Union Assess Long-Term Effects?. *Reviews of Environmental Contamination and Toxicology*, **2006**, 1-65	3.5	2
6	Reluctant comment on Fox et al. (2012): On being dragged into the NOEC squabble. *Integrated Environmental Assessment and Management*, **2012**, 8, 767	2.5	1
5	Individual Scientist **2018**, 117-149		1
4	Addendum to the article: Misuse of null hypothesis significance testing: Would estimation of positive and negative predictive values improve certainty of chemical risk assessment?. *Environmental Science and Pollution Research*, **2015**, 22, 3955-7	5.1	
3	Zinc elimination kinetics in mosquitofish: a clarification. *Aquatic Toxicology*, **1992**, 24, 153-155	5.1	
2	Human Reasoning: Within Scientific Traditions and Rules **2018**, 69-93		
1	Social Processing of Evidence: Commonplace Dynamics and Foibles **2018**, 153-184		