

Niladri Basu

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.

213
papers

8,544
citations

47
h-index

87
g-index

223
ext. papers

10,691
ext. citations

5.9
avg, IF

6.19
L-index

#	Paper	IF	Citations
213	The Lancet Commission on pollution and health. <i>Lancet, The</i> , 2018 , 391, 462-512	40	1639
212	NetworkAnalyst 3.0: a visual analytics platform for comprehensive gene expression profiling and meta-analysis. <i>Nucleic Acids Research</i> , 2019 , 47, W234-W241	20.1	491
211	Heat shock protein genes and their functional significance in fish. <i>Gene</i> , 2002 , 295, 173-83	3.8	441
210	What are the toxicological effects of mercury in Arctic biota?. <i>Science of the Total Environment</i> , 2013 , 443, 775-90	10.2	238
209	Current progress on understanding the impact of mercury on human health. <i>Environmental Research</i> , 2017 , 152, 419-433	7.9	207
208	Modulators of mercury risk to wildlife and humans in the context of rapid global change. <i>Ambio</i> , 2018 , 47, 170-197	6.5	168
207	Mink as a sentinel species in environmental health. <i>Environmental Research</i> , 2007 , 103, 130-44	7.9	142
206	The effects of cortisol on heat shock protein 70 levels in two fish species. <i>General and Comparative Endocrinology</i> , 2001 , 124, 97-105	3	139
205	Is dietary mercury of neurotoxicological concern to wild polar bears (<i>Ursus maritimus</i>)?. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 133-40	3.8	138
204	Relationships among mercury, selenium, and neurochemical parameters in common loons (<i>Gavia immer</i>) and bald eagles (<i>Haliaeetus leucocephalus</i>). <i>Ecotoxicology</i> , 2008 , 17, 93-101	2.9	124
203	Toxicity of dietary methylmercury to fish: derivation of ecologically meaningful threshold concentrations. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1536-47	3.8	116
202	A Review of Mercury Bioavailability in Humans and Fish. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	106
201	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. <i>Science of the Total Environment</i> , 2019 , 696, 133792	10.2	103
200	Mercury-associated DNA hypomethylation in polar bear brains via the LUMinometric Methylation Assay: a sensitive method to study epigenetics in wildlife. <i>Molecular Ecology</i> , 2010 , 19, 307-14	5.7	100
199	Effects of mercury on neurochemical receptors in wild river otters (<i>Lontra canadensis</i>). <i>Environmental Science & Technology</i> , 2005 , 39, 3585-91	10.3	97
198	Prenatal Fluoride Exposure and Cognitive Outcomes in Children at 4 and 6-12 Years of Age in Mexico. <i>Environmental Health Perspectives</i> , 2017 , 125, 097017	8.4	94
197	New insight into biomarkers of human mercury exposure using naturally occurring mercury stable isotopes. <i>Environmental Science & Technology</i> , 2013 , 47, 3403-9	10.3	94

196	A State-of-the-Science Review of Mercury Biomarkers in Human Populations Worldwide between 2000 and 2018. <i>Environmental Health Perspectives</i> , 2018 , 126, 106001	8.4	91
195	Absence of fractionation of mercury isotopes during trophic transfer of methylmercury to freshwater fish in captivity. <i>Environmental Science & Technology</i> , 2012 , 46, 7527-34	10.3	90
194	Integrated assessment of artisanal and small-scale gold mining in Ghana--part 1: human health review. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 5143-76	4.6	81
193	Occupational and environmental mercury exposure among small-scale gold miners in the Talensi-Nabdam District of Ghana's Upper East region. <i>Science of the Total Environment</i> , 2010 , 408, 6079-85	10.2	75
192	Temporal trends and future predictions of mercury concentrations in Northwest Greenland polar bear (<i>Ursus maritimus</i>) hair. <i>Environmental Science & Technology</i> , 2011 , 45, 1458-65	10.3	74
191	Decreased N-methyl-D-aspartic acid (NMDA) receptor levels are associated with mercury exposure in wild and captive mink. <i>NeuroToxicology</i> , 2007 , 28, 587-93	4.4	74
190	Mercury biomarkers and DNA methylation among Michigan dental professionals. <i>Environmental and Molecular Mutagenesis</i> , 2013 , 54, 195-203	3.2	73
189	Mercury contamination in spotted seatrout, <i>Cynoscion nebulosus</i> : an assessment of liver, kidney, blood, and nervous system health. <i>Science of the Total Environment</i> , 2010 , 408, 5808-16	10.2	73
188	Multiple elemental exposures amongst workers at the Agbogbloshie electronic waste (e-waste) site in Ghana. <i>Chemosphere</i> , 2016 , 164, 68-74	8.4	69
187	Evaluating the effectiveness of the Minamata Convention on Mercury: Principles and recommendations for next steps. <i>Science of the Total Environment</i> , 2016 , 569-570, 888-903	10.2	69
186	Methylmercury impairs components of the cholinergic system in captive mink (<i>Mustela vison</i>). <i>Toxicological Sciences</i> , 2006 , 91, 202-9	4.4	68
185	Effects of mercury on neurochemical receptor-binding characteristics in wild mink. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 1444-50	3.8	65
184	Ecogenetics of mercury: from genetic polymorphisms and epigenetics to risk assessment and decision-making. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 1248-58	3.8	63
183	Epigenetics for ecotoxicologists. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 221-7	3.8	60
182	Two decades of biomonitoring polar bear health in Greenland: a review. <i>Acta Veterinaria Scandinavica</i> , 2012 , 54,	2	60
181	Glutathione enzyme and selenoprotein polymorphisms associate with mercury biomarker levels in Michigan dental professionals. <i>Toxicology and Applied Pharmacology</i> , 2011 , 257, 301-8	4.6	58
180	Hydraulic "fracking": are surface water impacts an ecological concern?. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 1679-89	3.8	57
179	Integrated Assessment of Artisanal and Small-Scale Gold Mining in Ghana-Part 2: Natural Sciences Review. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 8971-9011	4.6	55

178	An interspecies comparison of mercury inhibition on muscarinic acetylcholine receptor binding in the cerebral cortex and cerebellum. <i>Toxicology and Applied Pharmacology</i> , 2005 , 205, 71-6	4.6	55
177	Derivation of screening benchmarks for dietary methylmercury exposure for the common loon (<i>Gavia immer</i>): rationale for use in ecological risk assessment. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 2399-407	3.8	54
176	Childhood Blood Lead Levels and Symptoms of Attention Deficit Hyperactivity Disorder (ADHD): A Cross-Sectional Study of Mexican Children. <i>Environmental Health Perspectives</i> , 2016 , 124, 868-74	8.4	54
175	Importance of Integration and Implementation of Emerging and Future Mercury Research into the Minamata Convention. <i>Environmental Science & Technology</i> , 2016 , 50, 2767-70	10.3	52
174	Mercury exposure and neurochemical impacts in bald eagles across several Great Lakes states. <i>Ecotoxicology</i> , 2011 , 20, 1669-76	2.9	52
173	Defining and modeling known adverse outcome pathways: Domoic acid and neuronal signaling as a case study. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 9-21	3.8	52
172	Investigating endocrine and physiological parameters of captive American kestrels exposed by diet to selected organophosphate flame retardants. <i>Environmental Science & Technology</i> , 2015 , 49, 7448-55	10.3	51
171	Mercury Exposure and Antinuclear Antibodies among Females of Reproductive Age in the United States: NHANES. <i>Environmental Health Perspectives</i> , 2015 , 123, 792-8	8.4	50
170	Brain region-specific perfluoroalkylated sulfonate (PFSA) and carboxylic acid (PFCA) accumulation and neurochemical biomarker responses in east Greenland polar bears (<i>Ursus maritimus</i>). <i>Environmental Research</i> , 2015 , 138, 22-31	7.9	50
169	Mercury levels in pregnant women, children, and seafood from Mexico City. <i>Environmental Research</i> , 2014 , 135, 63-9	7.9	49
168	Variants of glutathione s-transferase pi 1 exhibit differential enzymatic activity and inhibition by heavy metals. <i>Toxicology in Vitro</i> , 2012 , 26, 630-5	3.6	48
167	Chronic exposure to fluoxetine (Prozac) causes developmental delays in <i>Rana pipiens</i> larvae. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 2845-50	3.8	48
166	An investigation of modifying effects of metallothionein single-nucleotide polymorphisms on the association between mercury exposure and biomarker levels. <i>Environmental Health Perspectives</i> , 2012 , 120, 530-4	8.4	46
165	Elevated mercury exposure and neurochemical alterations in little brown bats (<i>Myotis lucifugus</i>) from a site with historical mercury contamination. <i>Ecotoxicology</i> , 2012 , 21, 1094-101	2.9	46
164	Prenatal fluoride exposure and attention deficit hyperactivity disorder (ADHD) symptoms in children at 6-12 years of age in Mexico City. <i>Environment International</i> , 2018 , 121, 658-666	12.9	45
163	Mercury Exposure Assessment and Spatial Distribution in A Ghanaian Small-Scale Gold Mining Community. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 10755-82	4.6	43
162	Improving and Expanding Estimates of the Global Burden of Disease Due to Environmental Health Risk Factors. <i>Environmental Health Perspectives</i> , 2019 , 127, 105001	8.4	42
161	Mercury but not organochlorines inhibits muscarinic cholinergic receptor binding in the cerebrum of ringed seals (<i>Phoca hispida</i>). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006 , 69, 1133-43	3.2	42

160	Associations of blood and urinary mercury with hypertension in U.S. adults: the NHANES 2003-2006. <i>Environmental Research</i> , 2013 , 123, 25-32	7.9	41
159	Pulp and paper mill effluents contain neuroactive substances that potentially disrupt neuroendocrine control of fish reproduction. <i>Environmental Science & Technology</i> , 2009 , 43, 1635-41 ^{10.3}	8.0	41
158	Health seeking behaviours among electronic waste workers in Ghana. <i>BMC Public Health</i> , 2015 , 15, 10654.1	4.1	40
157	DNA methylation is differentially associated with environmental cadmium exposure based on sex and smoking status. <i>Chemosphere</i> , 2016 , 145, 284-90	8.4	40
156	Mercury in the Great Lakes region: bioaccumulation, spatiotemporal patterns, ecological risks, and policy. <i>Ecotoxicology</i> , 2011 , 20, 1487-99	2.9	39
155	Assessment of mercury exposure among small-scale gold miners using mercury stable isotopes. <i>Environmental Research</i> , 2015 , 137, 226-34	7.9	37
154	Multiple metals exposure in a small-scale artisanal gold mining community. <i>Environmental Research</i> , 2011 , 111, 463-7	7.9	36
153	Cholinesterase and monoamine oxidase activity in relation to mercury levels in the cerebral cortex of wild river otters. <i>Human and Experimental Toxicology</i> , 2007 , 26, 213-20	3.4	34
152	Mammalian wildlife as complementary models in environmental neurotoxicology. <i>Neurotoxicology and Teratology</i> , 2010 , 32, 114-9	3.9	33
151	Sex-related differences in the organismal and cellular stress response in juvenile salmon exposed to treated bleached kraft mill effluent. <i>Fish Physiology and Biochemistry</i> , 2003 , 29, 173-179	2.7	33
150	Methylmercury and elemental mercury differentially associate with blood pressure among dental professionals. <i>International Journal of Hygiene and Environmental Health</i> , 2013 , 216, 195-201	6.9	32
149	Mercury and selenium levels in lemon sharks (<i>Negaprion brevirostris</i>) in relation to a harmful red tide event. <i>Environmental Monitoring and Assessment</i> , 2011 , 176, 549-59	3.1	32
148	Injury Profiles Associated with Artisanal and Small-Scale Gold Mining in Tarkwa, Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 7922-37	4.6	31
147	Environmental and occupational exposures to mercury among indigenous people in Dunkwa-On-Offin, a small scale gold mining area in the South-West of Ghana. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010 , 85, 476-80	2.7	30
146	Exposures of dental professionals to elemental mercury and methylmercury. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016 , 26, 78-85	6.7	28
145	Applications and implications of neurochemical biomarkers in environmental toxicology. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 22-9	3.8	28
144	Characterization of Ambient Air Particulates and Particulate Mercury at Sha-Lu, Central Taiwan. <i>Environmental Forensics</i> , 2009 , 10, 277-285	1.6	28
143	Biochemical markers of neurotoxicity in wildlife and human populations: considerations for method development. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2005 , 68, 1413-29	3.2	28

142	Dietary predictors of urinary cadmium among pregnant women and children. <i>Science of the Total Environment</i> , 2017 , 575, 1255-1262	10.2	27
141	Rapid methods to detect organic mercury and total selenium in biological samples. <i>Chemistry Central Journal</i> , 2011 , 5, 3		27
140	In vitro and whole animal evidence that methylmercury disrupts GABAergic systems in discrete brain regions in captive mink. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 151, 379-85	3.2	27
139	A State-of-the-Art Review of Indigenous Peoples and Environmental Pollution. <i>Integrated Environmental Assessment and Management</i> , 2020 , 16, 324-341	2.5	27
138	Parental Whole Life Cycle Exposure to Dietary Methylmercury in Zebrafish (<i>Danio rerio</i>) Affects the Behavior of Offspring. <i>Environmental Science & Technology</i> , 2016 , 50, 4808-16	10.3	27
137	EcoToxChip: A next-generation toxicogenomics tool for chemical prioritization and environmental management. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 279-288	3.8	26
136	In utero and peripubertal metals exposure in relation to reproductive hormones and sexual maturation and progression among girls in Mexico City. <i>Environmental Research</i> , 2019 , 177, 108630	7.9	25
135	Urinary metal concentrations among mothers and children in a Mexico City birth cohort study. <i>International Journal of Hygiene and Environmental Health</i> , 2018 , 221, 609-615	6.9	25
134	Bioaccessibility and bioavailability of methylmercury from seafood commonly consumed in North America: In vitro and epidemiological studies. <i>Environmental Research</i> , 2016 , 149, 266-273	7.9	25
133	An Investigation of Organic and Inorganic Mercury Exposure and Blood Pressure in a Small-Scale Gold Mining Community in Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 10020-38	4.6	24
132	Prevention-intervention strategies to reduce exposure to e-waste. <i>Reviews on Environmental Health</i> , 2018 , 33, 219-228	3.8	23
131	Effects of methylmercury on epigenetic markers in three model species: mink, chicken and yellow perch. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013 , 157, 322-7	3.2	23
130	A combined ecological and epidemiologic investigation of metal exposures amongst Indigenous peoples near the Marlin Mine in Western Guatemala. <i>Science of the Total Environment</i> , 2010 , 409, 70-7	10.2	23
129	Polychlorinated biphenyls, organochlorinated pesticides, and polybrominated diphenyl ethers in the cerebral cortex of wild river otters (<i>Lontra canadensis</i>). <i>Environmental Pollution</i> , 2007 , 149, 25-30	9.3	23
128	Genetic polymorphisms are associated with hair, blood, and urine mercury levels in the American Dental Association (ADA) study participants. <i>Environmental Research</i> , 2016 , 149, 247-258	7.9	22
127	Application of the Luminometric Methylation Assay to ecological species: tissue quality requirements and a survey of DNA methylation levels in animals. <i>Molecular Ecology Resources</i> , 2014 , 14, 943-52	8.4	22
126	The effects of mercury on muscarinic cholinergic receptor subtypes (M1 and M2) in captive mink. <i>NeuroToxicology</i> , 2008 , 29, 328-34	4.4	22
125	Transdisciplinary and social-ecological health frameworks-Novel approaches to emerging parasitic and vector-borne diseases. <i>Parasite Epidemiology and Control</i> , 2019 , 4, e00084	2.6	22

124	Historic and Contemporary Mercury Exposure and Potential Risk to Yellow-Billed Loons (<i>Gavia adamsii</i>) Breeding in Alaska and Canada. <i>Waterbirds</i> , 2014 , 37, 147-159	0.5	21
123	Altered stress responses in rainbow trout following a dietary administration of cortisol and Ehapthoflavone. <i>Fish Physiology and Biochemistry</i> , 2001 , 25, 131-140	2.7	21
122	The antidepressant venlafaxine may act as a neurodevelopmental toxicant in cuttlefish (<i>Sepia officinalis</i>). <i>NeuroToxicology</i> , 2016 , 55, 142-153	4.4	21
121	Effect of Particulate Matter Exposure on Respiratory Health of e-Waste Workers at Agbogbloshe, Accra, Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	20
120	Mercury exposure and neurochemical biomarkers in multiple brain regions of Wisconsin river otters (<i>Lontra canadensis</i>). <i>Ecotoxicology</i> , 2013 , 22, 469-75	2.9	20
119	Neurochemical alterations in lemon shark (<i>Negaprion brevirostris</i>) brains in association with brevetoxin exposure. <i>Aquatic Toxicology</i> , 2010 , 99, 351-9	5.1	20
118	Derivation of Time-Activity Data Using Wearable Cameras and Measures of Personal Inhalation Exposure among Workers at an Informal Electronic-Waste Recovery Site in Ghana. <i>Annals of Work Exposures and Health</i> , 2019 , 63, 829-841	2.4	18
117	Methylmercury egg injections: part 1--Tissue distribution of mercury in the avian embryo and hatchling. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 93, 68-76	7	18
116	Elevated prenatal methylmercury exposure in Nigeria: evidence from maternal and cord blood. <i>Chemosphere</i> , 2015 , 119, 485-489	8.4	18
115	Differential gene expression associated with dietary methylmercury (MeHg) exposure in rainbow trout (<i>Oncorhynchus mykiss</i>) and zebrafish (<i>Danio rerio</i>). <i>Ecotoxicology</i> , 2013 , 22, 740-51	2.9	18
114	Understanding the Social Context of the ASGM Sector in Ghana: A Qualitative Description of the Demographic, Health, and Nutritional Characteristics of a Small-Scale Gold Mining Community in Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 12679-96	4.6	17
113	Retrospective analysis of mercury content in feathers of birds collected from the state of Michigan (1895-2007). <i>Ecotoxicology</i> , 2011 , 20, 1636-43	2.9	17
112	Mercury Speciation in Whole Blood and Dried Blood Spots from Capillary and Venous Sources. <i>Analytical Chemistry</i> , 2020 , 92, 3605-3612	7.8	16
111	Detectable Blood Lead Level and Body Size in Early Childhood. <i>Biological Trace Element Research</i> , 2016 , 171, 41-7	4.5	16
110	Development and application of a novel method to characterize methylmercury exposure in newborns using dried blood spots. <i>Environmental Research</i> , 2017 , 159, 276-282	7.9	16
109	Dietary and in utero exposure to a pentabrominated diphenyl ether mixture did not affect cholinergic parameters in the cerebral cortex of ranch mink (<i>Mustela vison</i>). <i>Toxicological Sciences</i> , 2007 , 96, 115-22	4.4	16
108	Dried blood spots for estimating mercury exposure in birds. <i>Environmental Pollution</i> , 2018 , 236, 236-246	9.3	15
107	An Integrated Assessment Approach to Address Artisanal and Small-Scale Gold Mining in Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 11683-98	4.6	15

106	Investigation of spatial trends and neurochemical impacts of mercury in herring gulls across the Laurentian Great Lakes. <i>Environmental Pollution</i> , 2010 , 158, 2733-7	9.3	15
105	Ecotoxicology of Mercury in Fish and Wildlife: Recent Advances 2012 , 223-238		15
104	National estimation of seafood consumption in Mexico: Implications for exposure to methylmercury and polyunsaturated fatty acids. <i>Chemosphere</i> , 2017 , 174, 289-296	8.4	14
103	An investigation of modifying effects of single nucleotide polymorphisms in metabolism-related genes on the relationship between peripheral nerve function and mercury levels in urine and hair. <i>Science of the Total Environment</i> , 2012 , 417-418, 32-8	10.2	14
102	Urinary and plasma fluoride levels in pregnant women from Mexico City. <i>Environmental Research</i> , 2016 , 150, 489-495	7.9	14
101	Occurrence and bioaccessibility of mercury in commercial rice samples in Montreal (Canada). <i>Food and Chemical Toxicology</i> , 2019 , 126, 72-78	4.7	13
100	Evaluating the concentrations of total mercury, methylmercury, selenium, and selenium:mercury molar ratios in traditional foods of the Bigstone Cree in Alberta, Canada. <i>Chemosphere</i> , 2020 , 250, 126285-85	8.4	13
99	Acute embryotoxic effects but no long-term reproductive effects of in ovo methylmercury exposure in zebra finches (<i>Taeniopygia guttata</i>). <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 1534-40	3.8	13
98	Methylmercury egg injections: part 2--pathology, neurochemistry, and behavior in the avian embryo and hatchling. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 93, 77-86	7	13
97	Water Values in a Ghanaian Small-Scale Gold Mining Community. <i>Human Organization</i> , 2013 , 72, 199-210	1.2	13
96	Occupational and Environmental Health Risks Associated with Informal Sector Activities-Selected Case Studies from West Africa. <i>New Solutions</i> , 2016 , 26, 253-70	1	13
95	One health-Transdisciplinary opportunities for SETAC leadership in integrating and improving the health of people, animals, and the environment. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2383-2391	3.8	13
94	Fluoride exposure and pubertal development in children living in Mexico City. <i>Environmental Health</i> , 2019 , 18, 26	6	12
93	Molecular and neurochemical biomarkers in Arctic beluga whales (<i>Delphinapterus leucas</i>) were correlated to brain mercury and selenium concentrations. <i>Environmental Science & Technology</i> , 2014 , 48, 11551-9	10.3	12
92	Mercury, selenium and neurochemical biomarkers in different brain regions of migrating common loons from Lake Erie, Canada. <i>Ecotoxicology</i> , 2011 , 20, 1677-83	2.9	12
91	Mercury and selenium content of Taiwanese seafood. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2011 , 4, 212-7	3.3	12
90	Subcellular distributions of trace elements (Cd, Pb, As, Hg, Se) in the livers of Alaskan yelloweye rockfish (<i>Sebastes ruberrimus</i>). <i>Environmental Pollution</i> , 2018 , 242, 63-72	9.3	12
89	Relationship Between Methylmercury Contamination and Proportion of Aquatic and Terrestrial Prey in Diets of Shoreline Spiders. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 2503-2508	3.8	11

88	Hepatic polybrominated diphenyl ether (PBDE) levels in Wisconsin river otters () and Michigan bald eagles (). <i>Journal of Great Lakes Research</i> , 2015 , 41, 222-227	3	11
87	Multiple metals exposure and neurotoxic risk in bald eagles (<i>Haliaeetus leucocephalus</i>) from two Great Lakes states. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 623-31	3.8	11
86	Identification of Response Options to Artisanal and Small-Scale Gold Mining (ASGM) in Ghana via the Delphi Process. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 11345-63	4.6	11
85	A comparison of licensed and un-licensed artisanal and small-scale gold miners (ASGM) in terms of socio-demographics, work profiles, and injury rates. <i>BMC Public Health</i> , 2017 , 17, 862	4.1	10
84	Cadmium exposure and age-associated DNA methylation changes in non-smoking women from northern Thailand. <i>Environmental Epigenetics</i> , 2017 , 3, dx006	2.4	10
83	Piscivorous Mammalian Wildlife as Sentinels of Methylmercury Exposure and Neurotoxicity in Humans 2012 , 357-370		10
82	Assessment of fish consumption and mercury exposure among pregnant women in Jamaica and Trinidad & Tobago. <i>Chemosphere</i> , 2016 , 164, 462-468	8.4	10
81	Developmental Methylmercury Exposure Affects Swimming Behavior and Foraging Efficiency of Yellow Perch () Larvae. <i>ACS Omega</i> , 2017 , 2, 4870-4877	3.9	9
80	Alternatives assessment of perovskite solar cell materials and their methods of fabrication. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 133, 110207	16.2	9
79	Screening-level risk assessment of methylmercury for non-anadromous Arctic char (<i>Salvelinus alpinus</i>). <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 489-502	3.8	8
78	Uptake of selenium and mercury by captive mink: Results of a controlled feeding experiment. <i>Chemosphere</i> , 2016 , 144, 1582-8	8.4	8
77	Neurochemical and electrophysiological diagnosis of reversible neurotoxicity in earthworms exposed to sublethal concentrations of CL-20. <i>Environmental Science and Pollution Research</i> , 2010 , 17, 181-6	5.1	8
76	T1000: a reduced gene set prioritized for toxicogenomic studies. <i>PeerJ</i> , 2019 , 7, e7975	3.1	8
75	An Early-Life Stage Alternative Testing Strategy for Assessing the Impacts of Environmental Chemicals in Birds. <i>Environmental Toxicology and Chemistry</i> , 2020 , 39, 141-154	3.8	8
74	Development of a Comprehensive Toxicity Pathway Model for 17β-Ethinylestradiol in Early Life Stage Fathead Minnows (). <i>Environmental Science & Technology</i> , 2021 , 55, 5024-5036	10.3	8
73	Environmental Heavy Metal Contamination from Electronic Waste (E-Waste) Recycling Activities Worldwide: A Systematic Review from 2005 to 2017. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	8
72	A cell-free testing platform to screen chemicals of potential neurotoxic concern across twenty vertebrate species. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 3081-3090	3.8	7
71	Mercury associated neurochemical response in Arctic barnacle goslings (<i>Branta leucopsis</i>). <i>Science of the Total Environment</i> , 2018 , 624, 1052-1058	10.2	7

70	An Ecological and Human Biomonitoring Investigation of Mercury Contamination at the Aamjiwnaang First Nation. <i>EcoHealth</i> , 2016 , 13, 784-795	3.1	7
69	In vivo and In vitro neurochemical-based assessments of wastewater effluents from the Maumee River area of concern. <i>Environmental Pollution</i> , 2016 , 211, 9-19	9.3	7
68	FastBMD: an online tool for rapid benchmark dose-response analysis of transcriptomics data. <i>Bioinformatics</i> , 2021 , 37, 1035-1036	7.2	7
67	Lead (Pb) exposure assessment in dried blood spots using Total Reflection X-Ray Fluorescence (TXRF). <i>Environmental Research</i> , 2021 , 198, 110444	7.9	7
66	In ovo exposure to organophosphorous flame retardants: survival, development, neurochemical, and behavioral changes in white leghorn chickens. <i>Neurotoxicology and Teratology</i> , 2015 , 52, 228-35	3.9	6
65	Drivers of and Obstacles to the Adoption of Toxicogenomics for Chemical Risk Assessment: Insights from Social Science Perspectives. <i>Environmental Health Perspectives</i> , 2020 , 128, 105002	8.4	6
64	Extracts from hardwood trees used in commercial paper mills contain biologically active neurochemical disruptors. <i>Science of the Total Environment</i> , 2012 , 414, 205-9	10.2	6
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40	In utero and peripubertal metals exposure in relation to reproductive hormones and sexual maturation and progression among boys in Mexico City. <i>Environmental Health</i> , 2020 , 19, 124	6	3
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37	Variation in biomarker levels of metals, persistent organic pollutants, and omega-3 fatty acids in association with genetic polymorphisms among Inuit in Nunavik, Canada. <i>Environmental Research</i> , 2021 , 200, 111393	7.9	3
36	Mercury exposure in relation to sleep duration, timing, and fragmentation among adolescents in Mexico City. <i>Environmental Research</i> , 2020 , 191, 110216	7.9	2
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33	Analysis of copper, selenium, and zinc in newborn dried bloodspots using total reflection X-ray fluorescence (TXRF) spectroscopy ¹ , e1		2
32	Effects of Non-native Fish on Lacustrine Food Web Structure and Mercury Biomagnification along a Dissolved Organic Carbon Gradient. <i>Environmental Toxicology and Chemistry</i> , 2020 , 39, 2196-2207	3.8	2
31	Ultrafast functional profiling of RNA-seq data for nonmodel organisms. <i>Genome Research</i> , 2021 , 31, 713-720	3.7	2
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29	The challenge of pollution and health in Canada. <i>Canadian Journal of Public Health</i> , 2019 , 110, 159-164	3.2	2
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23	Personal exposure to particulate matter and heart rate variability among informal electronic waste workers at Agbogbloshie: a longitudinal study. <i>BMC Public Health</i> , 2021 , 21, 2161	4.1	1
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