Hing Man Chan

List of Publications by Year in Descending Order

173 papers	5,504 citations	37 h-index	67 g-index
180 ext. papers	6,439 ext. citations	5.8 avg, IF	6.11 L-index

#	Paper	IF	Citations
173	Pharmaceuticals in source waters of 95 First Nations in Canada. *Canadian Journal of Public Health*, **2021**, 112, 133-153	3.2	6
172	Nutrient adequacy and nutrient sources of adults among ninety-two First Nations communities across Canada. *Canadian Journal of Public Health*, **2021**, 112, 29-40	3.2	7
171	Associations of health status and diabetes among First Nations Peoples living on-reserve in Canada. *Canadian Journal of Public Health*, **2021**, 112, 154-167	3.2	9
170	Regionally representative hair mercury levels in Canadian First Nations adults living on reserves. *Canadian Journal of Public Health*, **2021**, 112, 97-112	3.2	4
169	Levels of metals and persistent organic pollutants in traditional foods consumed by First Nations living on-reserve in Canada. *Canadian Journal of Public Health*, **2021**, 112, 81-96	3.2	5
168	Importance of fish for food and nutrition security among First Nations in Canada. *Canadian Journal of Public Health*, **2021**, 112, 64-80	3.2	7
167	The First Nations Food, Nutrition and Environment Study (2008-2018)-rationale, design, methods and lessons learned. *Canadian Journal of Public Health*, **2021**, 112, 8-19	3.2	13
166	The relationship between dietary exposure to persistent organic pollutants from fish consumption and type 2 diabetes among First Nations in Canada. *Canadian Journal of Public Health*, **2021**, 112, 168-182	3.2	4
165	Comparison of measures of diet quality using 24-hour recall data of First Nations adults living on reserves in Canada. *Canadian Journal of Public Health*, **2021**, 112, 41-51	3.2	2
164	Metals in the drinking water of First Nations across Canada. *Canadian Journal of Public Health*, **2021** , 112, 113-132	3.2	3
163	First Nations households living on-reserve experience food insecurity: prevalence and predictors among ninety-two First Nations communities across Canada. *Canadian Journal of Public Health*, **2021**, 112, 52-63	3.2	9
162	Importance of the traditional food systems for First Nations adults living on reserves in Canada. *Canadian Journal of Public Health*, **2021**, 112, 20-28	3.2	11
161	Characterizing the Low-Dose Effects of Methylmercury on the Early Stages of Embryo Development Using Cultured Human Embryonic Stem Cells. *Environmental Health Perspectives*, **2021**, 129, 77007	8.4	0
160	Predictors of household food insecurity and relationship with obesity in First Nations communities in British Columbia, Manitoba, Alberta and Ontario. *Public Health Nutrition*, **2021**, 24, 1021-1033	3.3	7
159	Spatial patterns of the exposure-response relationship between mercury and cortisol in the fur of river otter (Lontra canadensis). *Chemosphere*, **2021**, 263, 127992	8.4	0
158	Health risk assessment of inorganic arsenic exposure through fish consumption in Yellowknife, Northwest Territories, Canada. *Human and Ecological Risk Assessment (HERA)*, **2021**, 27, 1072-1093	4.9	3
157	Mass spectrometry-based untargeted metabolomics approach for differentiation of beef of different geographic origins. *Food Chemistry*, **2021**, 338, 127847	8.5	15

156	Mercury exposure, cardiovascular disease, and mortality: A systematic review and dose-response meta-analysis. *Environmental Research*, **2021**, 193, 110538	7.9	23
155	Drivers and health implications of the dietary transition among Inuit in the Canadian Arctic: a scoping review. *Public Health Nutrition*, **2021**, 24, 2650-2668	3.3	6
154	Variation in biomarker levels of metals, persistent organic pollutants, and omega-3 fatty acids in association with genetic polymorphisms among Inuit in Nunavik, Canada. *Environmental Research*, **2021**, 200, 111393	7.9	3
153	The Retail Food Sector and Indigenous Peoples in High-Income Countries: A Systematic Scoping Review. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	3
152	Kinetics and metabolism of mercury in rats fed with mercury contaminated rice using mass balance and mercury isotope approach. *Science of the Total Environment*, **2020**, 736, 139687	10.2	2
151	Toxicogenomic Assessment of Complex Chemical Signatures in Double-Crested Cormorant Embryos from Variably Contaminated Great Lakes Sites. *Environmental Science & Technology*, **2020**, 54, 7504-7512	10.3	3
150	Impact of low-level mercury exposure on intelligence quotient in children via rice consumption. *Ecotoxicology and Environmental Safety*, **2020**, 202, 110870	7	11
149	Geospatial analysis of the patterns of chemical exposures among biota in the Canadian Oil Sands Region. *PLoS ONE*, **2020**, 15, e0239086	3.7	1
148	Seafood Consumption and Its Contribution to Nutrients Intake among Canadians in 2004 and 2015. *Nutrients*, **2020**, 13,	6.7	2
147	Risk-Benefit Assessment for Total Mercury, Arsenic, Selenium, and Omega-3 Fatty Acids Exposure from Fish Consumption in Jamaica. *Biological Trace Element Research*, **2020**, 197, 262-270	4.5	5
146	Relationships between mercury concentrations in fur and stomach contents of river otter (Lontra canadensis) and mink (Neovison vison) in Northern Alberta Canada and their applications as proxies for environmental factors determining mercury bioavailability. *Environmental Research*, **2020**, 181, 108961	7.9	5
145	Cohort profile: health effects monitoring programme in Ndilǫ̨Dettah and Yellowknife (YKHEMP). *BMJ Open*, **2020**, 10, e038507	3	1
144	Health risk assessment of arsenic exposure among the residents in Ndilǫ̨Dettah, and Yellowknife, Northwest Territories, Canada. *International Journal of Hygiene and Environmental Health*, **2020**, 230, 113623	6.9	7
143	The Gut Microbial Community Structure of the North American River Otter (Lontra canadensis) in the Alberta Oil Sands Region in Canada: Relationship with Local Environmental Variables and Metal Body Burden. *Environmental Toxicology and Chemistry*, **2020**, 39, 2516-2526	3.8	3
142	Polycyclic aromatic hydrocarbon (PAH) and metal contamination of air and surfaces exposed to combustion emissions during emergency fire suppression: Implications for firefightersTexposures. *Science of the Total Environment*, **2020**, 698, 134211	10.2	26
141	Proteomic profiling of primary astrocytes and co-cultured astrocytes/microglia exposed to acrylamide. *NeuroToxicology*, **2019**, 75, 78-88	4.4	5
140	A metabolomics study on effects of polyaromatic compounds in oil sand extracts on the respiratory, hepatic and nervous systems using three human cell lines. *Environmental Research*, **2019**, 178, 108680	7.9	4
139	Chronic Methylmercury Exposure Induces Production of Prostaglandins: Evidence From A Population Study and A Rat Dosing Experiment. *Environmental Science & Technology*, **2019**, 53, 7782-7791	10.3	4

138	Development of Biomonitoring Equivalents for chlordane and toxaphene with application to the general Canadian population. *Regulatory Toxicology and Pharmacology*, **2019**, 106, 262-269	3.4	6
137	Potential impact of restricted caribou () consumption on anemia prevalence among Inuit adults in northern Canada. *BMC Nutrition*, **2019**, 5, 30	2.5	0
136	Distribution of organic and inorganic mercury across the pelts of Canadian river otter (Lontra canadensis). *Scientific Reports*, **2019**, 9, 3237	4.9	8
135	Potential impacts of climate-related decline of seafood harvest on nutritional status of coastal First Nations in British Columbia, Canada. *PLoS ONE*, **2019**, 14, e0211473	3.7	13
134	The Use of Geographic Information Systems for Spatial Ecological Risk Assessments: An Example from the Athabasca Oil Sands Area in Canada. *Environmental Toxicology and Chemistry*, **2019**, 38, 2797-2810	3.8	9
133	Bioconcentration and Metabolic Effects of Emerging PFOS Alternatives in Developing Zebrafish. *Environmental Science & Technology*, **2019**, 53, 13427-13439	10.3	32
132	Optimisation modelling to improve the diets of First Nations individuals. *Journal of Nutritional Science*, **2019**, 8, e31	2.7	3
131	Proteome changes in methylmercury-exposed mouse primary cerebellar granule neurons and astrocytes. *Toxicology in Vitro*, **2019**, 57, 96-104	3.6	5
130	Climate change, contaminants, and country food: collaborating with communities to promote food security in the Arctic **2019**, 249-263		3
129	Prevalence of heart attack and stroke and associated risk factors among Inuit in Canada: A comparison with the general Canadian population. *International Journal of Hygiene and Environmental Health*, **2019**, 222, 319-326	6.9	4
128	Factors associated with plasma concentrations of polychlorinated biphenyls (PCBs) and dichlorodiphenyldichloroethylene (p,pŦDDE) in the Canadian population. *International Journal of Environmental Health Research*, **2019**, 29, 326-347	3.6	7
127	Modelling optimal diets for quality and cost: examples from Inuit and First Nations communities in Canada. *Applied Physiology, Nutrition and Metabolism*, **2019**, 44, 696-703	3	11
126	Exposure to triclosan among the Canadian population: Results of the Canadian Health Measures Survey (2009-2013). *Environment International*, **2019**, 123, 29-38	12.9	17
125	Dietary sources of energy and nutrients in the contemporary diet of Inuit adults: results from the 2007-08 Inuit Health Survey. *Public Health Nutrition*, **2018**, 21, 1319-1331	3.3	30
124	Sociodemographic associations of the dietary proportion of ultra-processed foods in First Nations peoples in the Canadian provinces of British Columbia, Manitoba, Alberta and Ontario. *International Journal of Food Sciences and Nutrition*, **2018**, 69, 753-761	3.7	16
123	Inuit Country Food Diet Pattern Is Associated with Lower Risk of Coronary Heart Disease. *Journal of the Academy of Nutrition and Dietetics*, **2018**, 118, 1237-1248.e1	3.9	13
122	Mercury bioaccumulation and its toxic effects in rats fed with methylmercury polluted rice. *Science of the Total Environment*, **2018**, 633, 93-99	10.2	20
121	Quantifying associations of the dietary share of ultra-processed foods with overall diet quality in First Nations peoples in the Canadian provinces of British Columbia, Alberta, Manitoba and Ontario. *Public Health Nutrition*, **2018**, 21, 103-113	3.3	43

120	Association of blood polychlorinated biphenyls and cholesterol levels among Canadian Inuit. *Environmental Research*, **2018**, 160, 298-305	7.9	12
119	Risk assessment of dietary lead exposure among First Nations people living on-reserve in Ontario, Canada using a total diet study and a probabilistic approach. *Journal of Hazardous Materials*, **2018**, 344, 55-63	12.8	23
118	The Relationship between Persistent Organic Pollutants Exposure and Type 2 Diabetes among First Nations in Ontario and Manitoba, Canada: A Difference in Difference Analysis. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	7
117	Brain methylmercury uptake in fetal, neonate, weanling, and adult rats. *Environmental Research*, **2018**, 167, 15-20	7.9	10
116	Factors associated with the blood and urinary selenium concentrations in the Canadian population: Results of the Canadian Health Measures Survey (2007-2011). *International Journal of Hygiene and Environmental Health*, **2018**, 221, 1023-1031	6.9	8
115	Effects of long-term cadmium exposure on urinary metabolite profiles in mice. *Journal of Toxicological Sciences*, **2018**, 43, 89-100	1.9	18
114	Caribou (Rangifer tarandus) and Inuit Nutrition Security in Canada. *EcoHealth*, **2018**, 15, 590-607	3.1	15
113	Re: Association between fish consumption, dietary omega-3 fatty acids and persistent organic pollutants intake, and type 2 diabetes in 18 First Nations in Ontario, Canada. *Environmental Research*, **2018**, 166, 705-706	7.9	
112	Placental transfer and levels of mercury, selenium, vitamin E, and docosahexaenoic acid in maternal and umbilical cord blood. *Environment International*, **2018**, 111, 309-315	12.9	30
111	Biomarkers of the cholinergic and dopaminergic signaling pathways in Arctic beluga whales (Delphinapterus leucas): relationship to methylmercury and selenium. *Arctic Science*, **2018**, 1-16	2.2	1
110	Monomethylmercury degradation by the human gut microbiota is stimulated by protein amendments. *Journal of Toxicological Sciences*, **2018**, 43, 717-725	1.9	15
109	Sub-Nanomolar Methylmercury Exposure Promotes Premature Differentiation of Murine Embryonic Neural Precursor at the Expense of Their Proliferation. *Toxics*, **2018**, 6,	4.7	6
108	Mercury Exposure, Blood Pressure, and Hypertension: A Systematic Review and Dose-response Meta-analysis. *Environmental Health Perspectives*, **2018**, 126, 076002	8.4	62
107	Seafood consumption patterns, their nutritional benefits and associated sociodemographic and lifestyle factors among First Nations in British Columbia, Canada. *Public Health Nutrition*, **2018**, 21, 3223-3236	3.3	2
106	Mercury diminishes the cardiovascular protective effect of omega-3 polyunsaturated fatty acids in the modern diet of Inuit in Canada. *Environmental Research*, **2017**, 152, 470-477	7.9	22
105	Predictive meta-regressions relating mercury tissue concentrations of freshwater piscivorous mammals. *Environmental Toxicology and Chemistry*, **2017**, 36, 2377-2384	3.8	14
104	Persistent organic pollutants and diabetes among Inuit in the Canadian Arctic. *Environment International*, **2017**, 101, 183-189	12.9	30
103	Polycyclic aromatic hydrocarbons (PAHs) in traditionally harvested bivalves in northern British Columbia, Canada. *Marine Pollution Bulletin*, **2017**, 121, 390-399	6.7	26

102	Acrylamide-induced neurotoxicity in primary astrocytes and microglia: Roles of the Nrf2-ARE and NF-Β pathways. *Food and Chemical Toxicology*, **2017**, 106, 25-35	4.7	58
101	Conversion ratios of n-3 fatty acids between plasma and erythrocytes: a systematic review and meta-regression. *British Journal of Nutrition*, **2017**, 117, 1162-1173	3.6	9
100	Association between fish consumption, dietary omega-3 fatty acids and persistent organic pollutants intake, and type 2 diabetes in 18 First Nations in Ontario, Canada. *Environmental Research*, **2017**, 156, 725-737	7.9	39
99	Neurotoxicity of alkylated polycyclic aromatic compounds in human neuroblastoma cells. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2017**, 80, 285-300	3.2	25
98	High selenium exposure lowers the odds ratios for hypertension, stroke, and myocardial infarction associated with mercury exposure among Inuit in Canada. *Environment International*, **2017**, 102, 200-206	12.9	36
97	Dietary and blood selenium are inversely associated with the prevalence of stroke among Inuit in Canada. *Journal of Trace Elements in Medicine and Biology*, **2017**, 44, 322-330	4.1	19
96	Elevated Exposures to Polycyclic Aromatic Hydrocarbons and Other Organic Mutagens in Ottawa Firefighters Participating in Emergency, On-Shift Fire Suppression. *Environmental Science & Technology*, **2017**, 51, 12745-12755	10.3	57
95	A total diet study and probabilistic assessment risk assessment of dietary mercury exposure among First Nations living on-reserve in Ontario, Canada. *Environmental Research*, **2017**, 158, 409-420	7.9	18
94	Occurrence, sources and human exposure assessment of SCCPs in indoor dust of northeast China. *Environmental Pollution*, **2017**, 225, 232-243	9.3	21
93	Estimating cardiovascular disease incidence from prevalence: a spreadsheet based model. *BMC Medical Research Methodology*, **2017**, 17, 9	4.7	2
92	Effect of acrylamide-induced neurotoxicity in a primary astrocytes/microglial co-culture model. *Toxicology in Vitro*, **2017**, 39, 119-125	3.6	28
91	Current progress on understanding the impact of mercury on human health. *Environmental Research*, **2017**, 152, 419-433	7.9	207
90	Fish consumption is inversely associated with type 2 diabetes in Manitoba First Nations communities. *Facets*, **2017**, 2, 795-818	2.3	5
89	Estimating Wildlife Harvest Based on Reported Consumption by Inuit in the Canadian Arctic. *Arctic*, **2017**, 70,	2.1	9
88	Relative developmental toxicity of short-chain chlorinated paraffins in Zebrafish (Danio rerio) embryos. *Environmental Pollution*, **2016**, 219, 1122-1130	9.3	37
87	Methylmercury alters glutathione homeostasis by inhibiting glutaredoxin 1 and enhancing glutathione biosynthesis in cultured human astrocytoma cells. *Toxicology Letters*, **2016**, 256, 1-10	4.4	17
86	Delayed effects of methylmercury on the mitochondria of dopaminergic neurons and developmental toxicity in zebrafish larvae (Danio rerio). *Aquatic Toxicology*, **2016**, 175, 73-80	5.1	8
85	Impacts of decline harvest of country food on nutrient intake among Inuit in Arctic Canada: impact of climate change and possible adaptation plan. *International Journal of Circumpolar Health*, **2016**, 75, 31127	1.7	31

84	Proteome profiling reveals regional protein alteration in cerebrum of common marmoset (Callithrix jacchus) exposed to methylmercury. *Toxicology*, **2016**, 347-349, 29-39	4.4	9
83	Mechanistic polychlorinated biphenyl exposure modeling of mothers in the Canadian Arctic: the challenge of reliably establishing dietary composition. *Environment International*, **2016**, 92-93, 256-68	12.9	14
82	Increased F3-Isoprostanes in the Canadian Inuit Population Could Be Cardioprotective by Limiting F2-Isoprostane Production. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 3264-71	5.6	6
81	Balancing the benefits and costs of traditional food substitution by indigenous Arctic women of childbearing age: Impacts on persistent organic pollutant, mercury, and nutrient intakes. *Environment International*, **2016**, 94, 554-566	12.9	14
80	Superoxide anion radical (O2(-)) degrades methylmercury to inorganic mercury in human astrocytoma cell line (CCF-STTG1). *Chemico-Biological Interactions*, **2015**, 239, 46-55	5	8
79	Assessing determinants of maternal blood concentrations for persistent organic pollutants and metals in the eastern and western Canadian Arctic. *Science of the Total Environment*, **2015**, 527-528, 150-8	10.2	23
78	Human inorganic mercury exposure, renal effects and possible pathways in Wanshan mercury mining area, China. *Environmental Research*, **2015**, 140, 198-204	7.9	41
77	Using expert informed GIS to locate important marine social-ecological hotspots. *Journal of Environmental Management*, **2015**, 160, 342-52	7.9	23
76	Proteomic Analysis of Cerebellum in Common Marmoset Exposed to Methylmercury. *Toxicological Sciences*, **2015**, 146, 43-51	4.4	12
75	Impact of methylmercury exposure on mitochondrial energetics in AC16 and H9C2 cardiomyocytes. *Toxicology in Vitro*, **2015**, 29, 953-61	3.6	16
74	Effects of methylmercury on dopamine release in MN9D neuronal cells. *Toxicology Mechanisms and Methods*, **2015**, 25, 637-44	3.6	7
73	Superoxide produced in the matrix of mitochondria enhances methylmercury toxicity in human neuroblastoma cells. *Toxicology and Applied Pharmacology*, **2015**, 289, 371-80	4.6	13
72	Relative developmental toxicities of pentachloroanisole and pentachlorophenol in a zebrafish model (Danio rerio). *Ecotoxicology and Environmental Safety*, **2015**, 112, 7-14	7	19
71	Relationship between the esterase paraoxonase-1 (PON1) and metal concentrations in the whole blood of Inuit in Canada. *Chemosphere*, **2015**, 120, 479-85	8.4	7
70	Assessment of neurotoxic effects of mercury in beluga whales (Delphinapterus leucas), ringed seals (Pusa hispida), and polar bears (Ursus maritimus) from the Canadian Arctic. *Science of the Total Environment*, **2015**, 509-510, 237-47	10.2	38
69	Methylmercury can induce Parkinson's-like neurotoxicity similar to 1-methyl-4- phenylpyridinium: a genomic and proteomic analysis on MN9D dopaminergic neuron cells. *Journal of Toxicological Sciences*, **2015**, 40, 817-28	1.9	24
68	Integrated assessment of artisanal and small-scale gold mining in Ghana--part 1: human health review. *International Journal of Environmental Research and Public Health*, **2015**, 12, 5143-76	4.6	81
67	Maintaining tissue selenium species distribution as a potential defense mechanism against methylmercury toxicity in juvenile white sturgeon (Acipenser transmontanus). *Aquatic Toxicology*, **2014**, 156, 88-95	5.1	2

66	New insights into traditional health risk assessments of mercury exposure: implications of selenium. *Environmental Science & Technology*, **2014**, 48, 1206-12	10.3	80
65	Development of a strategic plan for food security and safety in the Inuvialuit Settlement Region, Canada. *International Journal of Circumpolar Health*, **2014**, 73, 25091	1.7	9
64	Identification of environmental sources of lead exposure in Nunavut (Canada) using stable isotope analyses. *Environment International*, **2014**, 71, 63-73	12.9	20
63	Exposure to a northern contaminant mixture (NCM) alters hepatic energy and lipid metabolism exacerbating hepatic steatosis in obese JCR rats. *PLoS ONE*, **2014**, 9, e106832	3.7	23
62	Association between environmental contaminants and health outcomes in indigenous populations of the Circumpolar North. *International Journal of Circumpolar Health*, **2014**, 73, 25808	1.7	15
61	In vivo and in vitro changes in neurochemical parameters related to mercury concentrations from specific brain regions of polar bears (Ursus maritimus). *Environmental Toxicology and Chemistry*, **2014**, 33, 2463-71	3.8	10
60	Body burden of metals and persistent organic pollutants among Inuit in the Canadian Arctic. *Environment International*, **2013**, 59, 33-40	12.9	49
59	Chronic exposure to PCBs (Aroclor 1254) exacerbates obesity-induced insulin resistance and hyperinsulinemia in mice. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2013**, 76, 701-15	3.2	45
58	Bioaccessibility of metals in fish, shellfish, wild game, and seaweed harvested in British Columbia, Canada. *Food and Chemical Toxicology*, **2013**, 58, 381-7	4.7	42
57	Mercury distribution and speciation in different brain regions of beluga whales (Delphinapterus leucas). *Science of the Total Environment*, **2013**, 456-457, 278-86	10.2	26
56	Mercury as a global pollutant: sources, pathways, and effects. *Environmental Science & Technology*, **2013**, 47, 4967-83	10.3	1211
55	Selenomethionine protects against neuronal degeneration by methylmercury in the developing rat cerebrum. *Environmental Science & Technology*, **2013**, 47, 2862-8	10.3	51
54	Dietary advice on Inuit traditional food use needs to balance benefits and risks of mercury, selenium, and n3 fatty acids. *Journal of Nutrition*, **2013**, 143, 923-30	4.1	59
53	Effects of methylmercury on the secretion of pro-inflammatory cytokines from primary microglial cells and astrocytes. *NeuroToxicology*, **2012**, 33, 229-34	4.4	22
52	Mercury speciation in brain tissue of polar bears (Ursus maritimus) from the Canadian Arctic. *Environmental Research*, **2012**, 114, 24-30	7.9	26
51	Comparison on gestation and lactation exposure of perfluorinated compounds for newborns. *Environment International*, **2011**, 37, 1206-12	12.9	123
50	Importance of traditional foods for the food security of two First Nations communities in the Yukon, Canada. *International Journal of Circumpolar Health*, **2011**, 70, 286-300	1.7	33
49	Adapting to the impacts of climate change on food security among Inuit in the Western Canadian Arctic. *EcoHealth*, **2010**, 7, 361-73	3.1	76

48	Bioaccessibility of mercury from traditional northern country foods measured using an in vitro gastrointestinal model is independent of mercury concentration. *Science of the Total Environment*, **2009**, 407, 6003-8	10.2	54
47	The mink is still a reliable sentinel species in environmental health. *Environmental Research*, **2009**, 109, 940-941	7.9	3
46	Estimated dietary exposure to fluorinated compounds from traditional foods among Inuit in Nunavut, Canada. *Chemosphere*, **2009**, 75, 1165-72	8.4	77
45	Role of N-methyl-D-aspartate receptors in polychlorinated biphenyl mediated neurotoxicity. *Toxicology Letters*, **2009**, 184, 50-5	4.4	32
44	Characterization of demethylation of methylmercury in cultured astrocytes. *Chemosphere*, **2008**, 74, 112-8	8.4	32
43	Methylmercury increases N-methyl-D-aspartate receptors on human SH-SY 5Y neuroblastoma cells leading to neurotoxicity. *Toxicology*, **2008**, 249, 251-5	4.4	27
42	Temporal and spatial trends of mercury in fish collected in the English-Wabigoon river system in Ontario, Canada. *Science of the Total Environment*, **2007**, 372, 615-23	10.2	38
41	Modulating effects of dietary fats on methylmercury toxicity and distribution in rats. *Toxicology*, **2007**, 230, 22-44	4.4	34
40	Mink as a sentinel species in environmental health. *Environmental Research*, **2007**, 103, 130-44	7.9	142
39	Effects of prenatal methylmercury exposure on brain monoamine oxidase activity and neurobehaviour of rats. *Neurotoxicology and Teratology*, **2006**, 28, 251-9	3.9	41
38	Relationship between platelet monoamine oxidase-B (MAO-B) activity and mercury exposure in fish consumers from the Lake St. Pierre region of Que., Canada. *NeuroToxicology*, **2006**, 27, 429-36	4.4	14
37	New evidence on variations of human body burden of methylmercury from fish consumption. *Environmental Health Perspectives*, **2006**, 114, 302-6	8.4	75
36	Fish intake and serum fatty acid profiles from freshwater fish. *American Journal of Clinical Nutrition*, **2006**, 84, 1299-307	7	59
35	Food security in Nunavut, Canada: barriers and recommendations. *International Journal of Circumpolar Health*, **2006**, 65, 416-31	1.7	111
34	Induction heating-electrothermal vaporization for direct mercury analysis of a single human hair strand by inductively coupled plasma mass spectrometry. *Journal of Analytical Atomic Spectrometry*, **2005**, 20, 1315	3.7	20
33	Effects of mercury on neurochemical receptors in wild river otters (Lontra canadensis). *Environmental Science & Technology*, **2005**, 39, 3585-91	10.3	97
32	Mercury exposure in two coastal communities of the Bay of Fundy, Canada. *Environmental Research* , **2005**, 98, 14-21	7.9	36
31	Biomonitoring of mercury exposure with single human hair strand. *Environmental Science & Technology*, **2005**, 39, 4594-8	10.3	33

30	Effects of mercury on neurochemical receptor-binding characteristics in wild mink. *Environmental Toxicology and Chemistry*, **2005**, 24, 1444-50	3.8	65
29	Biochemical markers of neurotoxicity in wildlife and human populations: considerations for method development. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2005**, 68, 1413-29	3.2	28
28	Epidemiologic studies of PCB congener profiles in North American fish consuming populations. *Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews*, **2004**, 22, 13-36	4.5	17
27	Fish consumption, mercury exposure, and heart diseases. *Nutrition Reviews*, **2004**, 62, 68-72	6.4	80
26	Direct detection of mercury in single human hair strands by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). *Journal of Analytical Atomic Spectrometry*, **2004**, 19, 1287	3.7	62
25	Concentrating PUFA from mackerel processing waste. *JAOCS, Journal of the American Oil Chemistsl Society*, **2003**, 80, 933-936	1.8	55
24	Interactive dysmorphogenic effects of toxaphene or toxaphene congeners and hyperglycemia on cultured whole rat embryos during organogenesis. *Toxicology*, **2002**, 175, 153-65	4.4	6
23	Cadmium in caribou (Rangifer tarandus) kidneys: speciation, effects of preparation and toxicokinetics. *Food Additives and Contaminants*, **2001**, 18, 607-14		9
22	A pharmacokinetic model for predicting absorption, elimination, and tissue burden of toxaphene in rats. *Toxicology and Applied Pharmacology*, **2000**, 168, 235-43	4.6	4
21	Mercury in the traditional diet of indigenous peoples in Canada. *Environmental Pollution*, **2000**, 110, 1-2	9.3	39
20	Total toxaphene and specific congeners in fish from the Yukon, Canada. *Chemosphere*, **2000**, 41, 507-15	8.4	15
19	The Influence of Nutrition on Methyl Mercury Intoxication. *Environmental Health Perspectives*, **2000**, 108, 29	8.4	30
18	Inorganic mercury pre-exposures protect against methyl mercury toxicity in NSC-34 (neuron x spinal cord hybrid) cells. *Toxicology*, **1999**, 132, 167-78	4.4	14
17	The relative estrogenic activity of technical toxaphene mixture and two individual congeners. *Toxicology*, **1999**, 138, 69-80	4.4	12
16	Organochlorines in Hong Kong Fish. *Marine Pollution Bulletin*, **1999**, 39, 346-351	6.7	39
15	Analysis of metallothioneins by means of capillary electrophoresis coupled to electrospray mass spectrometry with sheathless interfacing. *Rapid Communications in Mass Spectrometry*, **1999**, 13, 500-7	2.2	29
14	Consumption of freshwater fish in Kahnawake: risks and benefits. *Environmental Research*, **1999**, 80, S213-S222	7.9	56
13	Determination of toxaphene in biological samples using high resolution GC coupled with ion trap MS/MS. *Chemosphere*, **1998**, 36, 2135-2148	8.4	23

12	A database for environmental contaminants in traditional foods in northern and Arctic Canada: development and applications. *Food Additives and Contaminants*, **1998**, 15, 127-34		25
11	Zinc pretreatment inhibits isotretinoin teratogenicity and induces embryonic metallothionein in CD-1 mice. *Journal of Nutrition*, **1998**, 128, 1239-46	4.1	11
10	Metal accumulation and detoxification in humans **1998**, 415-438		4
9	Assessment of Dietary Exposure to Trace Metals in Baffin Inuit Food. *Environmental Health Perspectives*, **1995**, 103, 740	8.4	22
8	Nutrition and the environment of indigenous peoples. *Ecology of Food and Nutrition*, **1994**, 32, 81-87	1.9	9
7	The accumulation of dissolved zinc by the shore crab Carcinus Maenas (L.). *Ophelia*, **1993**, 38, 13-30		29
6	On the excretion of zinc by the shore crab Carcinus maenas (L.). *Ophelia*, **1993**, 38, 31-45		14
5	Ontogenic changes in hepatic metallothionein isoforms in prenatal and newborn rats. *Biochemistry and Cell Biology*, **1993**, 71, 133-40	3.6	25
4	The relative importance of glutathione and metallothionein on protection of hepatotoxicity of menadione in rats. *Chemico-Biological Interactions*, **1992**, 84, 113-24	5	15
3	Quantification of metallothionein isoforms using an enzyme-linked immunosorbent assay (ELISA) with two specific antisera. *Toxicology and Applied Pharmacology*, **1992**, 116, 267-70	4.6	30
2	Exogenous metallothionein and renal toxicity of cadmium and mercury in rats. *Toxicology*, **1992**, 76, 15-26	4.4	40
1	Protective roles of metallothionein and glutathione in hepatotoxicity of cadmium. *Toxicology*, **1992**, 72, 281-90	4.4	104