Satyendra P Bhavsar

List of Publications by Year
in descending order

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76 papers	2,567 citations	159585 30 h-index	206112 48 g-index
77 all docs	77 docs citations	77 times ranked	2382 citing authors

#	Article	IF	Citations
1	Influence of fish size and sex on mercury/PCB concentration: Importance for fish consumption advisories. Environment International, 2011, 37, 425-434.	10.0	136
2	Identification and Screening Analysis of Halogenated Norbornene Flame Retardants in the Laurentian Great Lakes: Dechloranes 602, 603, and 604. Environmental Science & Technology, 2010, 44, 760-766.	10.0	128
3	Long-Term Environmental Fate of Perfluorinated Compounds after Accidental Release at Toronto Airport. Environmental Science & Technology, 2011, 45, 8081-8089.	10.0	122
4	Changes in Mercury Levels in Great Lakes Fish Between 1970s and 2007. Environmental Science & Technology, 2010, 44, 3273-3279.	10.0	114
5	Risks and Benefits of Consumption of Great Lakes Fish. Environmental Health Perspectives, 2012, 120, 11-18.	6.0	106
6	An overview of mercury concentrations in freshwater fish species: a national fish mercury dataset for Canada. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 436-451.	1.4	93
7	Are PCB Levels in Fish from the Canadian Great Lakes Still Declining?. Journal of Great Lakes Research, 2007, 33, 592.	1.9	87
8	Converting Toxic Equivalents (TEQ) of dioxins and dioxin-like compounds in fish from one Toxic Equivalency Factor (TEF) scheme to another. Environment International, 2008, 34, 915-921.	10.0	82
9	Contaminant biomonitoring programs in the Great Lakes region: Review of approaches and critical factors. Environmental Reviews, 2011, 19, 162-184.	4.5	72
10	Spatiotemporal trends of mercury in walleye and largemouth bass from the Laurentian Great Lakes Region. Ecotoxicology, 2011, 20, 1555-1567.	2.4	70
11	Effects of different cooking methods on fatty acid profiles in four freshwater fishes from the Laurentian Great Lakes region. Food Chemistry, 2014, 164, 544-550.	8.2	65
12	High levels of perfluoroalkyl acids in sport fish species downstream of a firefighting training facility at Hamilton International Airport, Ontario, Canada. Environment International, 2014, 67, 1-11.	10.0	64
13	Fish Mercury Levels Appear to Be Increasing Lately: A Report from 40 Years of Monitoring in the Province of Ontario, Canada. Environmental Science & Technology, 2014, 48, 5404-5414.	10.0	64
14	Ecological risk of methylmercury to piscivorous fish of the Great Lakes region. Ecotoxicology, 2011, 20, 1577-1587.	2.4	62
15	Determination of polyfluoroalkyl phosphoric acid diesters, perfluoroalkyl phosphonic acids, perfluoroalkyl phosphinic acids, perfluoroalkyl carboxylic acids, and perfluoroalkane sulfonic acids in lake trout from the Great Lakes region. Analytical and Bioanalytical Chemistry, 2012, 404, 2699-2709.	3.7	56
16	Composition of Dioxin-like PCBs in Fish:Â An Application for Risk Assessment. Environmental Science & Technology, 2007, 41, 3096-3102.	10.0	52
17	Temporal trends and spatial distribution of dioxins and furans in lake trout or lake whitefish from the Canadian Great Lakes. Chemosphere, 2008, 73, S158-S165.	8.2	51
18	Risk-benefit of consuming Lake Erie fish. Environmental Research, 2014, 134, 57-65.	7.5	51

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19	The clearwater consensus: the estimation of metal hazard in fresh water. International Journal of Life Cycle Assessment, 2010, 15, 143-147.	4.7	48
20	Great Lakes fish consumption advisories: is mercury a concern?. Ecotoxicology, 2011, 20, 1588-1598.	2.4	47
21	Application of a comprehensive extraction technique for the determination of poly- and perfluoroalkyl substances (PFASs) in Great Lakes Region sediments. Chemosphere, 2016, 164, 535-546.	8.2	45
22	Temporal and spatial trends of organochlorines and mercury in fishes from the St. Clair River/Lake St. Clair corridor, Canada. Journal of Great Lakes Research, 2010, 36, 100-112.	1.9	44
23	Estimating dioxinâ€like polychlorinated biphenyl toxic equivalents from total polychlorinated biphenyl measurements in fish. Environmental Toxicology and Chemistry, 2007, 26, 1622-1628.	4.3	42
24	Temporal PCB and mercury trends in Lake Erie fish communities: A dynamic linear modeling analysis. Ecotoxicology and Environmental Safety, 2011, 74, 2203-2214.	6.0	42
25	Toxicological significance of mercury in yellow perch in the Laurentian Great Lakes region. Environmental Pollution, 2012, 161, 350-357.	7.5	42
26	Cooking fish is not effective in reducing exposure to perfluoroalkyl and polyfluoroalkyl substances. Environment International, 2014, 66, 107-114.	10.0	40
27	Polybrominated diphenyl ethers (PBDEs) in Great Lakes fish: Levels, patterns, trends and implications for human exposure. Science of the Total Environment, 2017, 576, 907-916.	8.0	40
28	Are Fish Consumption Advisories for the Great Lakes Adequately Protective against Chemical Mixtures?. Environmental Health Perspectives, 2017, 125, 586-593.	6.0	38
29	Organohalogen contaminants of emerging concern in Great Lakes fish: a review. Analytical and Bioanalytical Chemistry, 2012, 404, 2639-2658.	3.7	35
30	Whatâ€™s hot about mercury? Examining the influence of climate on mercury levels in Ontario top predator fishes. Environmental Research, 2018, 162, 63-73.	7.5	33
31	Detection of the Spatiotemporal Trends of Mercury in Lake Erie Fish Communities: A Bayesian Approach. Environmental Science & Technology, 2011, 45, 2217-2226.	10.0	32
32	Fate of PBDEs in Juvenile Lake Trout Estimated Using a Dynamic Multichemical Fish Model. Environmental Science & Technology, 2008, 42, 3724-3731.	10.0	30
33	Evaluation and Interconversion of Various Indicator PCB Schemes for â^‘PCB and Dioxin-Like PCB Toxic Equivalent Levels in Fish. Environmental Science & Technology, 2015, 49, 123-131.	10.0	26
34	High levels, partitioning and fish consumption based water guidelines of perfluoroalkyl acids downstream of a former firefighting training facility in Canada. Environment International, 2016, 94, 415-423.	10.0	26
35	A Bayesian assessment of the PCB temporal trends in Lake Erie fish communities. Journal of Great Lakes Research, 2011, 37, 507-520.	1.9	24
36	Thirty-Year Time Series of PCB Concentrations in a Small Invertivorous Fish (Notropis Hudsonius): An Examination of Post-1990 Trajectory Shifts in the Lower Great Lakes. Ecosystems, 2011, 14, 415-429.	3.4	21

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37	A Bayesian assessment of the mercury and PCB temporal trends in lake trout (Salvelinus namaycush) and walleye (Sander vitreus) from lake Ontario, Ontario, Canada. Ecotoxicology and Environmental Safety, 2015, 117, 174-186.	6.0	21
38	Long-term changes in fish mercury levels in the historically impacted English-Wabigoon River system (Canada). Journal of Environmental Monitoring, 2012, 14, 2327.	2.1	20
39	Projecting Fish Mercury Levels in the Province of Ontario, Canada and the Implications for Fish and Human Health. Environmental Science & Technology, 2015, 49, 14494-14502.	10.0	20
40	Levels, patterns, trends and significance of polychlorinated naphthalenes (PCNs) in Great Lakes fish. Science of the Total Environment, 2018, 624, 499-508.	8.0	19
41	A Bayesian assessment of polychlorinated biphenyl contamination of fish communities in the Laurentian Great Lakes. Chemosphere, 2018, 210, 1193-1206.	8.2	17
42	Estimating sediment quality thresholds to prevent restrictions on fish consumption: Application to polychlorinated biphenyls and dioxinsâ€“furans in the Canadian Great Lakes. Integrated Environmental Assessment and Management, 2010, 6, 641-652.	2.9	16
43	Trends of legacy and emerging-issue contaminants in Lake Simcoe fishes. Journal of Great Lakes Research, 2011, 37, 148-159.	1.9	16
44	Climate and landscape conditions indirectly affect fish mercury levels by altering lake water chemistry and fish size. Environmental Research, 2020, 188, 109750.	7.5	16
45	Significance of toxaphene in Great Lakes fish consumption advisories. Journal of Great Lakes Research, 2014, 40, 71-79.	1.9	15
46	Assessing mercury contamination patterns of fish communities in the Laurentian Great Lakes: A Bayesian perspective. Environmental Pollution, 2018, 243, 777-789.	7.5	15
47	Effects of skin removal on contaminant levels in salmon and trout filets. Science of the Total Environment, 2013, 443, 218-225.	8.0	14
48	Assessment of fish mercury levels in the upper St. Lawrence River, Canada. Journal of Great Lakes Research, 2013, 39, 336-343.	1.9	14
49	Dioxins in Great Lakes fish: Past, present and implications for future monitoring. Chemosphere, 2019, 222, 479-488.	8.2	14
50	Persistent Organohalogens in Paired Fish Fillet and Eggs: Implications for Fish Consumption Advisories. Journal of Agricultural and Food Chemistry, 2016, 64, 2832-2840.	5.2	13
51	Estimation of omega-3 fatty acid (EPA + DHA) intake from Lake Ontario fish based on provincial consumption advisories. Journal of Great Lakes Research, 2017, 43, 1132-1140.	1.9	13
52	Fish contamination in Lake Erie: An examination of temporal trends of organochlorine contaminants and a Bayesian approach to consumption advisories. Ecological Informatics, 2013, 18, 131-148.	5.2	12
53	Fatty acids in Great Lakes lake trout and whitefish. Journal of Great Lakes Research, 2013, 39, 120-127.	1.9	12
54	Temporal changes in mercury concentrations of large-bodied fishes in the boreal shield ecoregion of northern Ontario, Canada. Science of the Total Environment, 2013, 444, 409-416.	8.0	12

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55	Is mirex still a contaminant of concern for the North American Great Lakes?. Journal of Great Lakes Research, 2015, 41, 1114-1122.	1.9	12
56	Interspecific differences in omega-3 PUFA and contaminants explain the most variance in suggested Great Lakesâ€™ fish consumption when risks/benefits are considered together. Journal of Great Lakes Research, 2020, 46, 549-559.	1.9	12
57	Detection of temporal trends of Î±- and Î³-chlordane in Lake Erie fish communities using dynamic linear modeling. Ecotoxicology and Environmental Safety, 2011, 74, 1107-1121.	6.0	11
58	Examination of temporal DDT trends in Lake Erie fish communities using dynamic linear modeling. Journal of Great Lakes Research, 2013, 39, 437-448.	1.9	11
59	Improvements in fish polychlorinated biphenyl and other contaminant levels in response to remedial actions in Hamilton Harbour, Ontario, Canada. Aquatic Ecosystem Health and Management, 2016, 19, 161-170.	0.6	11
60	Guiding fish consumption advisories for Lake Ontario: A Bayesian hierarchical approach. Journal of Great Lakes Research, 2016, 42, 70-82.	1.9	11
61	A comparison of fish tissue mercury concentrations from homogenized fillet and nonlethal biopsy plugs. Journal of Environmental Sciences, 2019, 80, 137-145.	6.1	11
62	UNCERTAINTY ANALYSIS OF DIOXIN-LIKE POLYCHLORINATED BIPHENYLS-RELATED TOXIC EQUIVALENTS IN FISH. Environmental Toxicology and Chemistry, 2008, 27, 997.	4.3	9
63	Assessing fish consumption Beneficial Use Impairment at Great Lakes Areas of Concern: Toronto case study. Aquatic Ecosystem Health and Management, 2018, 21, 318-330.	0.6	9
64	Spatial and length-dependent variation of the risks and benefits of consuming Walleye (Sander) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	10.0	8
65	Assessment of contaminant levels in fish from the Toronto waterfront area. Journal of Great Lakes Research, 2015, 41, 228-237.	1.9	7
66	Organophosphate esters in Great Lakes fish: An improved analysis to assess concentrations and human exposure via consumption. Science of the Total Environment, 2022, 807, 150981.	8.0	7
67	Spatiotemporal Variations in Mercury Bioaccumulation at Fine and Broad Scales for Two Freshwater Sport Fishes. Water (Switzerland), 2018, 10, 1625.	2.7	6
68	Drivers of declines in common loon (Gavia immer) productivity in Ontario, Canada. Science of the Total Environment, 2020, 738, 139724.	8.0	6
69	Spatiotemporal trends of polychlorinated biphenyls (PCBs) in surface and suspended sediments from the Lake Ontario Canadian nearshore 1994â€“2018: A fish consumption advisory perspective. Journal of Great Lakes Research, 2022, 48, 300-314.	1.9	6
70	Is it appropriate to composite fish samples for mercury trend monitoring and consumption advisories?. Environment International, 2016, 88, 80-85.	10.0	5
71	Use of a Food Web Bioaccumulation Model to Uncover Spatially Integrated Polychlorinated Biphenyl Exposures in Detroit River Sport Fish. Environmental Toxicology and Chemistry, 2019, 38, 2771-2784.	4.3	4
72	A probabilistic assessment of the impairment status of Areas of Concern in the Laurentian Great Lakes: How far are we from delisting the Hamilton Harbour, Lake Ontario, Canada?. Ecological Informatics, 2021, 62, 101271.	5.2	4

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73	Critical load analysis in hazard assessment of metals using a Unit World Model. Environmental Toxicology and Chemistry, 2011, 30, 2157-2166.	4.3	3
74	Assessing the fish consumption beneficial use impairment in the Bay of Quinte. Aquatic Ecosystem Health and Management, 2012, 15, 453-463.	0.6	3
75	Assessment of fish consumption beneficial use impairment at the Great Lakes Thunder Bay and St. Marys River Areas of Concern, Canada. Journal of Great Lakes Research, 2020, 46, 560-568.	1.9	1
76	Is it safe to eat fish from the Great Lakes? An adaptive modelling-monitoring framework to assess compliance with consumption advisories. Journal of Great Lakes Research, 2021, 47, 1097-1116.	1.9	1