

Paul Helm

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5966623/publications.pdf>

Version: 2024-02-01

88
papers

6,755
citations

43973

48
h-index

62479

80
g-index

88
all docs

88
docs citations

88
times ranked

5255
citing authors

#	ARTICLE	IF	CITATIONS
1	Sources and sinks of microplastics in Canadian Lake Ontario nearshore, tributary and beach sediments. <i>Marine Pollution Bulletin</i> , 2016, 110, 383-395.	2.3	486
2	Fluorinated Organic Compounds in an Eastern Arctic Marine Food Web. <i>Environmental Science & Technology</i> , 2004, 38, 6475-6481.	4.6	330
3	Temporal and spatial variabilities of atmospheric polychlorinated biphenyls (PCBs), organochlorine (OC) pesticides and polycyclic aromatic hydrocarbons (PAHs) in the Canadian Arctic: Results from a decade of monitoring. <i>Science of the Total Environment</i> , 2005, 342, 119-144.	3.9	259
4	Impacts of temperature and selected chemical digestion methods on microplastic particles. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 91-98.	2.2	235
5	Isomers of Dechlorane Plus in Lake Winnipeg and Lake Ontario Food Webs. <i>Environmental Science & Technology</i> , 2007, 41, 2249-2254.	4.6	216
6	Microplastics entering northwestern Lake Ontario are diverse and linked to urban sources. <i>Water Research</i> , 2020, 174, 115623.	5.3	206
7	Dechlorane Plus Levels in Sediment of the Lower Great Lakes. <i>Environmental Science & Technology</i> , 2008, 42, 361-366.	4.6	197
8	Sampling and Quality Assurance and Quality Control: A Guide for Scientists Investigating the Occurrence of Microplastics Across Matrices. <i>Applied Spectroscopy</i> , 2020, 74, 1099-1125.	1.2	191
9	Chlordane Enantiomers and Temporal Trends of Chlordane Isomers in Arctic Air. <i>Environmental Science & Technology</i> , 2002, 36, 539-544.	4.6	187
10	Passive sampling methods for contaminated sediments: Scientific rationale supporting use of freely dissolved concentrations. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 197-209.	1.6	153
11	Current Combustion-Related Sources Contribute to Polychlorinated Naphthalene and Dioxin-Like Polychlorinated Biphenyl Levels and Profiles in Air in Toronto, Canada. <i>Environmental Science & Technology</i> , 2003, 37, 1075-1082.	4.6	132
12	Identification and Screening Analysis of Halogenated Norbornene Flame Retardants in the Laurentian Great Lakes: Dechloranes 602, 603, and 604. <i>Environmental Science & Technology</i> , 2010, 44, 760-766.	4.6	128
13	Enantioselective Bioaccumulation of Hexabromocyclododecane and Congener-Specific Accumulation of Brominated Diphenyl Ethers in an Eastern Canadian Arctic Marine Food Web. <i>Environmental Science & Technology</i> , 2008, 42, 3634-3639.	4.6	127
14	Polychlorinated naphthalenes in polar environments – A review. <i>Science of the Total Environment</i> , 2010, 408, 2919-2935.	3.9	126
15	PCBs, PBDEs, and PAHs in Toronto air: Spatial and seasonal trends and implications for contaminant transport. <i>Science of the Total Environment</i> , 2012, 429, 272-280.	3.9	122
16	Evidence of Microplastic Translocation in Wild-Caught Fish and Implications for Microplastic Accumulation Dynamics in Food Webs. <i>Environmental Science & Technology</i> , 2021, 55, 12372-12382.	4.6	116
17	Identification of Potential Novel Bioaccumulative and Persistent Chemicals in Sediments from Ontario (Canada) Using Scripting Approaches with GC–GC-TOF MS Analysis. <i>Environmental Science & Technology</i> , 2014, 48, 9591-9599.	4.6	111
18	Polychlorinated Naphthalenes in U.K. Soils: Time Trends, Markers of Source, and Equilibrium Status. <i>Environmental Science & Technology</i> , 2001, 35, 4205-4213.	4.6	108

#	ARTICLE	IF	CITATIONS
19	Pesticides related to land use in watersheds of the Great Lakes basin. <i>Science of the Total Environment</i> , 2019, 648, 681-692.	3.9	98
20	Controlled field evaluation of water flow rate effects on sampling polar organic compounds using polar organic chemical integrative samplers. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2461-2469.	2.2	92
21	Historic Trends of Dechloranes 602, 603, 604, Dechlorane Plus and Other Norbornene Derivatives and Their Bioaccumulation Potential in Lake Ontario. <i>Environmental Science & Technology</i> , 2011, 45, 3333-3340.	4.6	92
22	Occurrence and Biomagnification of Polychlorinated Naphthalenes and Non- and Mono-ortho PCBs in Lake Ontario Sediment and Biota. <i>Environmental Science & Technology</i> , 2008, 42, 1024-1031.	4.6	90
23	Improving microplastics source apportionment: a role for microplastic morphology and taxonomy?. <i>Analytical Methods</i> , 2017, 9, 1328-1331.	1.3	89
24	Modern and historical fluxes of halogenated organic contaminants to a lake in the Canadian arctic, as determined from annually laminated sediment cores. <i>Science of the Total Environment</i> , 2005, 342, 223-243.	3.9	86
25	The Tire Wear Compounds 6PPD-Quinone and 1,3-Diphenylguanidine in an Urban Watershed. <i>Archives of Environmental Contamination and Toxicology</i> , 2022, 82, 171-179.	2.1	83
26	Temporal Trends of Perfluoroalkyl Compounds with Isomer Analysis in Lake Trout from Lake Ontario (1979~2004). <i>Environmental Science & Technology</i> , 2008, 42, 4739-4744.	4.6	82
27	Compounds Structurally Related to Dechlorane Plus in Sediment and Biota from Lake Ontario (Canada). <i>Environmental Science & Technology</i> , 2010, 44, 574-579.	4.6	80
28	Dechloranes 602, 603, 604, Dechlorane Plus, and Chlordene Plus, a Newly Detected Analogue, in Tributary Sediments of the Laurentian Great Lakes. <i>Environmental Science & Technology</i> , 2011, 45, 693-699.	4.6	79
29	From the City to the Lake: Loadings of PCBs, PBDEs, PAHs and PCMs from Toronto to Lake Ontario. <i>Environmental Science & Technology</i> , 2014, 48, 3732-3741.	4.6	78
30	Detection of selected tire wear compounds in urban receiving waters. <i>Environmental Pollution</i> , 2021, 287, 117659.	3.7	74
31	The Analysis of Halogenated Flame Retardants by GC-HRMS in Environmental Samples. <i>Journal of Chromatographic Science</i> , 2009, 47, 83-91.	0.7	73
32	Fate, distribution, and contrasting temporal trends of perfluoroalkyl substances (PFASs) in Lake Ontario, Canada. <i>Environment International</i> , 2012, 44, 92-99.	4.8	73
33	Liquid chromatography-atmospheric pressure photoionization tandem mass spectrometry for analysis of 36 halogenated flame retardants in fish. <i>Journal of Chromatography A</i> , 2010, 1217, 633-641.	1.8	72
34	The use of mass defect plots for the identification of (novel) halogenated contaminants in the environment. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3289-3297.	1.9	72
35	Organophosphate Ester Transport, Fate, and Emissions in Toronto, Canada, Estimated Using an Updated Multimedia Urban Model. <i>Environmental Science & Technology</i> , 2018, 52, 12465-12474.	4.6	72
36	The Widespread Environmental Footprint of Indigo Denim Microfibers from Blue Jeans. <i>Environmental Science and Technology Letters</i> , 2020, 7, 840-847.	3.9	72

#	ARTICLE	IF	CITATIONS
37	Hexachlorocyclohexanes (HCHs) In the Canadian Archipelago. 2. Air-Water Gas Exchange of $\hat{1}\pm$ - and $\hat{1}^3$ -HCH. <i>Environmental Science & Technology</i> , 2008, 42, 465-470.	4.6	67
38	Perfluoroalkyl acids in the Canadian environment: Multi-media assessment of current status and trends. <i>Environment International</i> , 2013, 59, 183-200.	4.8	65
39	Monitoring for contaminants of emerging concern in drinking water using POCIS passive samplers. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 473.	1.7	63
40	Aquatic Global Passive Sampling (AQUA-GAPS) Revisited: First Steps toward a Network of Networks for Monitoring Organic Contaminants in the Aquatic Environment. <i>Environmental Science & Technology</i> , 2017, 51, 1060-1067.	4.6	61
41	Continuing sources of PCBs: The significance of building sealants. <i>Environment International</i> , 2010, 36, 506-513.	4.8	59
42	Seasonal and Spatial Variation of Polychlorinated Naphthalenes and Non-/Mono-Ortho-Substituted Polychlorinated Biphenyls in Arctic Air. <i>Environmental Science & Technology</i> , 2004, 38, 5514-5521.	4.6	57
43	Gaseous and Freely-Dissolved PCBs in the Lower Great Lakes Based on Passive Sampling: Spatial Trends and Air-Water Exchange. <i>Environmental Science & Technology</i> , 2016, 50, 4932-4939.	4.6	57
44	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. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2699-2709.	1.9	56
45	Identification of the Halogenated Compounds Resulting from the 1997 Plastimet Inc. Fire in Hamilton, Ontario, using Comprehensive Two-Dimensional Gas Chromatography and (Ultra)High Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2014, 48, 10656-10663.	4.6	56
46	Concentrations, Trends, and Air-Water Exchange of PAHs and PBDEs Derived from Passive Samplers in Lake Superior in 2011. <i>Environmental Science & Technology</i> , 2015, 49, 13777-13786.	4.6	56
47	Factors influencing microplastic abundances in nearshore, tributary and beach sediments along the Ontario shoreline of Lake Erie. <i>Journal of Great Lakes Research</i> , 2018, 44, 1002-1009.	0.8	56
48	Development of liquid chromatography atmospheric pressure chemical ionization tandem mass spectrometry for analysis of halogenated flame retardants in wastewater. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1311-1320.	1.9	51
49	Semivolatile Organic Compounds in Window Films from Lower Manhattan after the September 11th World Trade Center Attacks. <i>Environmental Science & Technology</i> , 2004, 38, 3514-3524.	4.6	47
50	Spatial Distributions of Legacy Contaminants in Sediments of Lakes Huron and Superior. <i>Journal of Great Lakes Research</i> , 2008, 34, 153-168.	0.8	46
51	20 Years of Air-Water Gas Exchange Observations for Pesticides in the Western Arctic Ocean. <i>Environmental Science & Technology</i> , 2015, 49, 13844-13852.	4.6	46
52	Hexachlorocyclohexanes in the Canadian Archipelago. 1. Spatial Distribution and Pathways of $\hat{1}\pm$, $\hat{1}^2$ -, and $\hat{1}^3$ -HCHs in Surface Water. <i>Environmental Science & Technology</i> , 2007, 41, 2688-2695.	4.6	45
53	Microplastic and other anthropogenic microparticles in water and sediments of Lake Simcoe. <i>Journal of Great Lakes Research</i> , 2021, 47, 180-189.	0.8	45
54	Gas-particle partitioning of polychlorinated naphthalenes and non- and mono-ortho-substituted polychlorinated biphenyls in arctic air. <i>Science of the Total Environment</i> , 2005, 342, 161-173.	3.9	43

#	ARTICLE	IF	CITATIONS
55	Advances in the environmental analysis of polychlorinated naphthalenes and toxaphene. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 819-836.	1.9	42
56	Perfluoroalkyl Contaminants in Window Film: Indoor/Outdoor, Urban/Rural, and Winter/Summer Contamination and Assessment of Carpet as a Possible Source. <i>Environmental Science & Technology</i> , 2009, 43, 7317-7323.	4.6	40
57	Application of Land Use Regression to Identify Sources and Assess Spatial Variation in Urban SVOC Concentrations. <i>Environmental Science & Technology</i> , 2013, 47, 1887-1895.	4.6	39
58	Determination of Halogenated Flame Retardants Using Gas Chromatography with Atmospheric Pressure Chemical Ionization (APCI) and a High-Resolution Quadrupole Time-of-Flight Mass Spectrometer (HRqTOFMS). <i>Analytical Chemistry</i> , 2016, 88, 11406-11411.	3.2	38
59	Urban sources of synthetic musk compounds to the environment. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 74-88.	1.7	36
60	Lake-wide distribution and depositional history of current- and past-use persistent organic pollutants in Lake Simcoe, Ontario, Canada. <i>Journal of Great Lakes Research</i> , 2011, 37, 132-141.	0.8	35
61	Identification and determination of the dechlorination products of Dechlorane 602 in Great Lakes fish and Arctic beluga whales by gas chromatography–high resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2737-2748.	1.9	35
62	Identification and Occurrence of Analogues of Dechlorane 604 in Lake Ontario Sediment and their Accumulation in Fish. <i>Environmental Science & Technology</i> , 2014, 48, 11170-11177.	4.6	34
63	Spatial Distribution and Air–Water Exchange of Organic Flame Retardants in the Lower Great Lakes. <i>Environmental Science & Technology</i> , 2016, 50, 9133-9141.	4.6	34
64	Influence of nearshore dynamics on the distribution of organic wastewater-associated chemicals in Lake Ontario determined using passive samplers. <i>Journal of Great Lakes Research</i> , 2012, 38, 105-115.	0.8	33
65	Current-use pesticides in urban watersheds and receiving waters of western Lake Ontario measured using polar organic chemical integrative samplers (POCIS). <i>Journal of Great Lakes Research</i> , 2016, 42, 1432-1442.	0.8	33
66	Spatial Distributions and Temporal Trends in Sediment Contamination in Lake St. Clair. <i>Journal of Great Lakes Research</i> , 2007, 33, 668.	0.8	32
67	A rapidly equilibrating, thin film, passive water sampler for organic contaminants; characterization and field testing. <i>Environmental Pollution</i> , 2011, 159, 481-486.	3.7	31
68	Polycyclic Musks in the Air and Water of the Lower Great Lakes: Spatial Distribution and Volatilization from Surface Waters. <i>Environmental Science & Technology</i> , 2016, 50, 11575-11583.	4.6	31
69	Complete Separation of Isomeric Penta- and Hexachloronaphthalenes by Capillary Gas Chromatography. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 639-643.	2.0	30
70	A Mass Balance Model Describing Multiyear Fate of Organochlorine Compounds in a High Arctic Lake. <i>Environmental Science & Technology</i> , 2002, 36, 996-1003.	4.6	30
71	Degradation as a Loss Mechanism in the Fate of $\hat{\pm}$ -Hexachlorocyclohexane in Arctic Watersheds. <i>Environmental Science & Technology</i> , 2000, 34, 812-818.	4.6	28
72	Chiral Pesticides in Soil and Water and Exchange with the Atmosphere. <i>Scientific World Journal</i> , The, 2002, 2, 357-373.	0.8	27

#	ARTICLE	IF	CITATIONS
73	Concentrations, Trends, and Air-Water Exchange of PCBs and Organochlorine Pesticides Derived from Passive Samplers in Lake Superior in 2011. <i>Environmental Science & Technology</i> , 2018, 52, 14061-14069.	4.6	25
74	Metals in Lake Simcoe sediments and tributaries: Do recent trends indicate changing sources?. <i>Journal of Great Lakes Research</i> , 2011, 37, 124-131.	0.8	24
75	No evidence of spherical microplastics (10 ³ -300 μ m) translocation in adult rainbow trout (<i>Oncorhynchus mykiss</i>) after a two-week dietary exposure. <i>PLoS ONE</i> , 2020, 15, e0239128.	1.1	24
76	Runoff of the Tire-Wear Compound, Hexamethoxymethyl-Melamine into Urban Watersheds. <i>Archives of Environmental Contamination and Toxicology</i> , 2022, 82, 162-170.	2.1	24
77	Compositional space: A guide for environmental chemists on the identification of persistent and bioaccumulative organics using mass spectrometry. <i>Environment International</i> , 2019, 132, 104808.	4.8	23
78	Halogenated organic contaminants of concern in urban-influenced waters of Lake Ontario, Canada: Passive sampling with targeted and non-targeted screening. <i>Environmental Pollution</i> , 2020, 264, 114733.	3.7	22
79	Metabolomic responses to pre-chlorinated and final effluent wastewater with the addition of a sub-lethal persistent contaminant in <i>Daphnia magna</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 9014-9026.	2.7	21
80	Silver near municipal wastewater discharges into western Lake Ontario, Canada. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 555.	1.3	20
81	Isomers of tris(chloropropyl) phosphate (TCPP) in technical mixtures and environmental samples. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6989-6997.	1.9	19
82	Fate of organochlorine contaminants in arctic and subarctic lakes estimated by mass balance modelling. <i>Science of the Total Environment</i> , 2005, 342, 245-259.	3.9	17
83	Estimating sediment quality thresholds to prevent restrictions on fish consumption: Application to polychlorinated biphenyls and dioxins/furans in the Canadian Great Lakes. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 641-652.	1.6	16
84	The impact of risk management measures on the concentrations of per- and polyfluoroalkyl substances in source and treated drinking waters in Ontario, Canada. <i>Science of the Total Environment</i> , 2020, 748, 141195.	3.9	16
85	Liquid chromatography/atmospheric pressure photoionization tandem mass spectrometry for analysis of Dechloranes. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 436-442.	0.7	15
86	Monitoring of Environmental Contaminants in Mixed-Use Watersheds Combining Targeted and Nontargeted Analysis with Passive Sampling. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1131-1143.	2.2	8
87	Kicking Pellet Emissions to the Curb. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 788-790.	1.6	7
88	Environmental Fate and Effects of Road Run-Off. <i>Archives of Environmental Contamination and Toxicology</i> , 2022, 82, 159-161.	2.1	3