

Paul Helm

List of Publications by Year in descending order

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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	Runoff of the Tire-Wear Compound, Hexamethoxymethyl-Melamine into Urban Watersheds. Archives of Environmental Contamination and Toxicology, 2022, 82, 162-170.	2.1	24
2	The Tire Wear Compounds 6PPD-Quinone and 1,3-Diphenylguanidine in an Urban Watershed. Archives of Environmental Contamination and Toxicology, 2022, 82, 171-179.	2.1	83
3	Monitoring of Environmental Contaminants in Mixed-Use Watersheds Combining Targeted and Nontargeted Analysis with Passive Sampling. Environmental Toxicology and Chemistry, 2022, 41, 1131-1143.	2.2	8
4	Environmental Fate and Effects of Road Run-Off. Archives of Environmental Contamination and Toxicology, 2022, 82, 159-161.	2.1	3
5	Microplastic and other anthropogenic microparticles in water and sediments of Lake Simcoe. Journal of Great Lakes Research, 2021, 47, 180-189.	0.8	45
6	Evidence of Microplastic Translocation in Wild-Caught Fish and Implications for Microplastic Accumulation Dynamics in Food Webs. Environmental Science & Technology, 2021, 55, 12372-12382.	4.6	116
7	Detection of selected tire wear compounds in urban receiving waters. Environmental Pollution, 2021, 287, 117659.	3.7	74
8	No evidence of spherical microplastics (10 ³ –300 ¹ / ₄ m) translocation in adult rainbow trout (<i>Oncorhynchus mykiss</i>) after a two-week dietary exposure. PLoS ONE, 2020, 15, e0239128.	1.1	24
9	Sampling and Quality Assurance and Quality Control: A Guide for Scientists Investigating the Occurrence of Microplastics Across Matrices. Applied Spectroscopy, 2020, 74, 1099-1125.	1.2	191
10	The impact of risk management measures on the concentrations of per- and polyfluoroalkyl substances in source and treated drinking waters in Ontario, Canada. Science of the Total Environment, 2020, 748, 141195.	3.9	16
11	The Widespread Environmental Footprint of Indigo Denim Microfibers from Blue Jeans. Environmental Science and Technology Letters, 2020, 7, 840-847.	3.9	72
12	Kicking Pellet Emissions to the Curb. Integrated Environmental Assessment and Management, 2020, 16, 788-790.	1.6	7
13	Halogenated organic contaminants of concern in urban-influenced waters of Lake Ontario, Canada: Passive sampling with targeted and non-targeted screening. Environmental Pollution, 2020, 264, 114733.	3.7	22
14	Microplastics entering northwestern Lake Ontario are diverse and linked to urban sources. Water Research, 2020, 174, 115623.	5.3	206
15	Pesticides related to land use in watersheds of the Great Lakes basin. Science of the Total Environment, 2019, 648, 681-692.	3.9	98
16	Urban sources of synthetic musk compounds to the environment. Environmental Sciences: Processes and Impacts, 2019, 21, 74-88.	1.7	36
17	Compositional space: A guide for environmental chemists on the identification of persistent and bioaccumulative organics using mass spectrometry. Environment International, 2019, 132, 104808.	4.8	23
18	Metabolomic responses to pre-chlorinated and final effluent wastewater with the addition of a sub-lethal persistent contaminant in <i>Daphnia magna</i> . Environmental Science and Pollution Research, 2019, 26, 9014-9026.	2.7	21

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19	Impacts of temperature and selected chemical digestion methods on microplastic particles. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 91-98.	2.2	235
20	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
21	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
22	Silver near municipal wastewater discharges into western Lake Ontario, Canada. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 555.	1.3	20
23	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
24	Improving microplastics source apportionment: a role for microplastic morphology and taxonomy?. <i>Analytical Methods</i> , 2017, 9, 1328-1331.	1.3	89
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	Identification of Potential Novel Bioaccumulative and Persistent Chemicals in Sediments from Ontario (Canada) Using Scripting Approaches with GC-TOF MS Analysis. <i>Environmental Science & Technology</i> , 2014, 48, 9591-9599.	4.6	111
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	Polychlorinated naphthalenes in polar environments – A review. <i>Science of the Total Environment</i> , 2010, 408, 2919-2935.	3.9	126
57	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
58	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
59	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
60	Continuing sources of PCBs: The significance of building sealants. <i>Environment International</i> , 2010, 36, 506-513.	4.8	59
61	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
62	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
63	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
64	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
65	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
66	Dechlorane Plus Levels in Sediment of the Lower Great Lakes. <i>Environmental Science & Technology</i> , 2008, 42, 361-366.	4.6	197
67	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
68	Hexachlorocyclohexanes (HCHs) In the Canadian Archipelago. 2. Air-Water Gas Exchange of 1±- and 1³-HCH. <i>Environmental Science & Technology</i> , 2008, 42, 465-470.	4.6	67
69	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
70	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
71	Hexachlorocyclohexanes in the Canadian Archipelago. 1. Spatial Distribution and Pathways of 1±-, 1²-, and 1³-HCHs in Surface Water. <i>Environmental Science & Technology</i> , 2007, 41, 2688-2695.	4.6	45
72	Isomers of Dechlorane Plus in Lake Winnipeg and Lake Ontario Food Webs. <i>Environmental Science & Technology</i> , 2007, 41, 2249-2254.	4.6	216

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73	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
74	Advances in the environmental analysis of polychlorinated naphthalenes and toxaphene. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 819-836.	1.9	42
75	Gasâ€‘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
76	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
77	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
78	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
79	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
80	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
81	Fluorinated Organic Compounds in an Eastern Arctic Marine Food Web. <i>Environmental Science & Technology</i> , 2004, 38, 6475-6481.	4.6	330
82	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
83	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
84	Chlordane Enantiomers and Temporal Trends of Chlordane Isomers in Arctic Air. <i>Environmental Science & Technology</i> , 2002, 36, 539-544.	4.6	187
85	Chiral Pesticides in Soil and Water and Exchange with the Atmosphere. <i>Scientific World Journal</i> , The, 2002, 2, 357-373.	0.8	27
86	Polychlorinated Naphthalenes in U.K. Soils:Â Time Trends, Markers of Source, and Equilibrium Status. <i>Environmental Science & Technology</i> , 2001, 35, 4205-4213.	4.6	108
87	Degradation as a Loss Mechanism in the Fate of Î±-Hexachlorocyclohexane in Arctic Watersheds. <i>Environmental Science & Technology</i> , 2000, 34, 812-818.	4.6	28
88	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