Terry F Bidleman

List of Publications by Year
in descending order

221 papers	16,582 citations	10986 71 h-index	18130 120 g-index
227 all docs	227 docs citations	227 times ranked	5771 citing authors

#	Article	IF	Citations
1	Atmospheric processes. Environmental Science & Technology, 1988, 22, 361-367.	10.0	857
2	Contaminants in the Canadian Arctic: 5 years of progress in understanding sources, occurrence and pathways. Science of the Total Environment, 2000, 254, 93-234.	8.0	600
3	Arctic contaminants: sources, occurrence and pathways. Science of the Total Environment, 1992, 122, 1-74.	8.0	587
4	Octanolâ^'Air Partition Coefficient for Describing Particle/Gas Partitioning of Aromatic Compounds in Urban Air. Environmental Science & Technology, 1998, 32, 1494-1502.	10.0	524
5	Octanol-air partition coefficient as a predictor of partitioning of semi-volatile organic chemicals to aerosols. Atmospheric Environment, 1997, 31, 2289-2296.	4.1	484
6	Endosulfan, a global pesticide: A review of its fate in the environment and occurrence in the Arctic. Science of the Total Environment, 2010, 408, 2966-2984.	8.0	409
7	Atmospheric Distribution and Long-Range Transport Behavior of Organochlorine Pesticides in North America. Environmental Science & Technology, 2005, 39, 409-420.	10.0	309
8	Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls in Air at an Urban and a Rural Site Near Lake Michigan. Environmental Science & Technology, 1995, 29, 2782-2789.	10.0	288
9	Atmospheric deposition of toxic chemicals to the Great Lakes: A review of data through 1994. Atmospheric Environment, 1996, 30, 3505-3527.	4.1	288
10	Determination of vapor pressures for nonpolar and semipolar organic compounds from gas chromatograhic retention data. Journal of Chemical & Engineering Data, 1990, 35, 232-237.	1.9	276
11	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. Science of the Total Environment, 2005, 342, 119-144.	8.0	259
12	Interdependence of the slopes and intercepts from log-log correlations of measured gas-particle paritioning and vapor pressureâ€"I. theory and analysis of available data. Atmospheric Environment Part A General Topics, 1992, 26, 1071-1080.	1.3	233
13	Measurements of Octanolâ^'Air Partition Coefficients for Polychlorinated Biphenyls. Journal of Chemical & Engineering Data, 1996, 41, 895-899.	1.9	232
14	Vapor pressures and predicted particle/gas distributions of polychlorinated biphenyl congeners as functions of temperature and ortho-chlorine substitution. Atmospheric Environment, 1994, 28, 547-554.	4.1	230
15	Vapor-particle partitioning of semivolatile organic compounds: estimates from field collections. Environmental Science & Technology, 1986, 20, 1038-1043.	10.0	225
16	Chlorinated Hydrocarbons in the Sargasso Sea Atmosphere and Surface Water. Science, 1974, 183, 516-518.	12.6	215
17	Measurement of Octanolâ^'Air Partition Coefficients for Polycyclic Aromatic Hydrocarbons and Polychlorinated Naphthalenes. Journal of Chemical & Engineering Data, 1998, 43, 40-46.	1.9	200
18	Soilâ€"air exchange of organochlorine pesticides in the Southern United States. Environmental Pollution, 2004, 128, 49-57.	7.5	189

#	Article	IF	Citations
19	Chlordane Enantiomers and Temporal Trends of Chlordane Isomers in Arctic Air. Environmental Science & Technology, 2002, 36, 539-544.	10.0	187
20	Residues of organochlorine pesticides in Alabama soils. Environmental Pollution, 1999, 106, 323-332.	7.5	186
21	Soilâ€"air exchange model of persistent pesticides in the United States cotton belt. Environmental Toxicology and Chemistry, 2001, 20, 1612-1621.	4.3	167
22	Hexachlorocyclohexanes in the North American Atmosphere. Environmental Science & Technology, 2004, 38, 965-975.	10.0	166
23	SOILâ€"AIR EXCHANGE MODEL OF PERSISTENT PESTICIDES IN THE UNITED STATES COTTON BELT. Environmental Toxicology and Chemistry, 2001, 20, 1612.	4.3	150
24	Estimation of vapor pressures for nonpolar organic compounds by capillary gas chromatography. Analytical Chemistry, 1984, 56, 2490-2496.	6.5	142
25	The transport of Î²-hexachlorocyclohexane to the western Arctic Ocean: a contrast to Îµ-HCH. Science of the Total Environment, 2002, 291, 229-246.	8.0	138
26	Current Combustion-Related Sources Contribute to Polychlorinated Naphthalene and Dioxin-Like Polychlorinated Biphenyl Levels and Profiles in Air in Toronto, Canada. Environmental Science & Technology, 2003, 37, 1075-1082.	10.0	132
27	Isolation and identification of two major recalcitrant toxaphene congeners in aquatic biota. Environmental Science & Technology, 1992, 26, 1838-1840.	10.0	131
28	Effects of temperature, TSP and per cent non-exchangeable material in determining the gas-particle partitioning of organic compounds. Atmospheric Environment Part A General Topics, 1991, 25, 2241-2249.	1.3	130
29	The Enantioselective Bioaccumulation of Chiral Chlordane and Îµ-HCH Contaminants in the Polar Bear Food Chain. Environmental Science & Technology, 2000, 34, 2668-2674.	10.0	130
30	Removal of Îµ- and Î³-Hexachlorocyclohexane and Enantiomers of Îµ-Hexachlorocyclohexane in the Eastern Arctic Ocean. Environmental Science & Technology, 1999, 33, 1157-1164.	10.0	126
31	Polychlorinated naphthalenes in polar environments â€" A review. Science of the Total Environment, 2010, 408, 2919-2935.	8.0	126
32	Reversal of the Air-Water Gas Exchange Direction of Hexachlorocyclohexanes in the Bering and Chukchi Seas: 1993 versus 1988. Environmental Science & Technology, 1995, 29, 1081-1089.	10.0	124
33	Toxaphene, Chlordane, and Other Organochlorine Pesticides in Alabama Air. Environmental Science & Technology, 2000, 34, 5097-5105.	10.0	124
34	Collection of airborne polycyclic aromatic hydrocarbons and other organics with a glass fiber filter-polyurethane foam system. Atmospheric Environment, 1984, 18, 837-845.	1.0	123
35	Global hexachlorocyclohexane use trends and their impact on the Arctic atmospheric environment. Geophysical Research Letters, 1998, 25, 39-41.	4.0	123
36	Determination of Henry's law constants for hexachlorocyclohexanes in distilled water and artificial seawater as a function of temperature. Marine Chemistry, 1991, 34, 197-209.	2.3	121

#	Article	IF	Citations
37	Chiral Organochlorine Pesticide Signatures in Global Background Soils. Environmental Science & Technology, 2005, 39, 8671-8677.	10.0	117
38	Global chemical fate of Î±â€hexachlorocyclohexane. 1. Evaluation of a global distribution model. Environmental Toxicology and Chemistry, 1999, 18, 1390-1399.	4.3	114
39	Air-water gas exchange of hexachlorocyclohexanes (HCHs) and the enantiomers of Î±-HCH in Arctic regions. Journal of Geophysical Research, 1996, 101, 28837-28846.	3.3	112
40	Organochlorine pesticides and polychlorinated biphenyls in the atmosphere of Southern Sweden. Atmospheric Environment, 1987, 21, 641-654.	1.0	109
41	Measurement of DDT Fluxes from a Historically Treated Agricultural Soil in Canada. Environmental Science & Technology, 2006, 40, 4578-4585.	10.0	106
42	Degradation of malathion, endosulfan, and fenvalerate in seawater and seawater/sediment microcosms. Journal of Agricultural and Food Chemistry, 1989, 37, 824-828.	5.2	102
43	Polychlorinated naphthalenes in urban air. Atmospheric Environment, 1997, 31, 4009-4016.	4.1	100
44	Semivolatile organic compounds in the ambient air of Denver, Colorado. Atmospheric Environment Part A General Topics, 1990, 24, 2405-2416.	1.3	99
45	Gas exchange of hexachlorocyclohexane in the Great Lakes. Environmental Science & Technology, 1993, 27, 1304-1311.	10.0	99
46	Decline of hexachlorocyclohexane in the Arctic atmosphere and reversal of air-sea gas exchange. Geophysical Research Letters, 1995, 22, 219-222.	4.0	98
47	A review of field experiments to determine air-water gas exchange of persistent organic pollutants. Science of the Total Environment, 1995, 159, 101-117.	8.0	97
48	Estimating the atmospheric deposition of organochlorine contaminats to the Arctic. Chemosphere, 1991, 22, 165-188.	8.2	96
49	Polycyclic aromatic and organochlorine compounds in the atmosphere of northern Ellesmere Island, Canada. Journal of Geophysical Research, 1991, 96, 10867-10877.	3.3	94
50	Polychlorinated Naphthalenes and Coplanar Polychlorinated Biphenyls in Arctic Air. Environmental Science & Technology, 1998, 32, 3257-3265.	10.0	94
51	Polycyclic aromatic hydrocarbons in storm runoff from urban and coastal South Carolina. Science of the Total Environment, 2000, 255, 1-9.	8.0	92
52	Soil as a Source of Atmospheric Heptachlor Epoxide. Environmental Science & Technology, 1998, 32, 1546-1548.	10.0	91
53	Airborne organochlorines in the Canadian High Arctic. Tellus, Series B: Chemical and Physical Meteorology, 1989, 41B, 243-255.	1.6	90
54	Chiral Pesticides in Soils of the Fraser Valley, British Columbia. Journal of Agricultural and Food Chemistry, 1997, 45, 1946-1951.	5.2	90

#	Article	IF	Citations
55	Organochlorine pesticides in the atmosphere of the Southern Ocean and Antarctica, Januaryâ€“March, 1990. Marine Pollution Bulletin, 1993, 26, 258-262.	5.0	87
56	Atmospheric Transport and Air-Surface Exchange of Pesticides. Water, Air, and Soil Pollution, 1999, 115, 115-166.	2.4	87
57	Analysis of pesticides in seawater after enrichment onto C8 bonded-phase cartridges. Environmental Science & Technology, 1989, 23, 995-1000.	10.0	86
58	Modern and historical fluxes of halogenated organic contaminants to a lake in the Canadian arctic, as determined from annually laminated sediment cores. Science of the Total Environment, 2005, 342, 223-243.	8.0	86
59	Field comparison of polyurethane foam and Tenax-GC resin for high-volume air sampling of chlorinated hydrocarbons. Environmental Science & Technology, 1980, 14, 679-683.	10.0	85
60	Laboratory investigations of the partitioning of organochlorine compounds between the gas phase and atmospheric aerosols on glass fiber filters. Environmental Science & Technology, 1992, 26, 469-478.	10.0	85
61	Seasonality in Exchange of Organochlorines between Arctic Air and Seawater. Environmental Science & Technology, 1997, 31, 3258-3266.	10.0	85
62	Organochlorines in the water and biota of Lake Baikal, Siberia. Environmental Science & Technology, 1994, 28, 31-37.	10.0	84
63	Organochlorine contaminants in narwhal (Monodon monoceros) from the Canadian Arctic. Environmental Pollution, 1992, 75, 307-316.	7.5	83
64	Airâ^'Water Gas Exchange of Organochlorine Compounds in Lake Baikal, Russia. Environmental Science & Technology, 1996, 30, 2975-2983.	10.0	82
65	Enantiomers of Î±-Hexachlorocyclohexane as Tracers of Airâ^'Water Gas Exchange in Lake Ontario. Environmental Science & Technology, 1997, 31, 1940-1945.	10.0	81
66	Henry's law constants for Î±-, Î²-, and Î³-hexachlorocyclohexanes (HCHs) as a function of temperature and revised estimates of gas exchange in Arctic regions. Atmospheric Environment, 2003, 37, 983-992.	4.1	78
67	Base hydrolysis of .alpha.- and .gamma.-hexachlorocyclohexanes. Environmental Science & Technology, 1993, 27, 1930-1933.	10.0	77
68	Enantioselective Breakdown of .alpha.-Hexachlorocyclohexane in a Small Arctic Lake and its Watershed. Environmental Science & Technology, 1995, 29, 1297-1302.	10.0	75
69	Emission of chiral pesticides from an agricultural soil in the fraser Valley, british columbia. Chemosphere, 1998, 36, 345-355.	8.2	75
70	Atmospheric organochlorine pollutants and airâ€sea exchange of hexachlorocyclohexane in the Bering and Chukchi seas. Journal of Geophysical Research, 1991, 96, 7201-7213.	3.3	74
71	Aerial transport of pesticides over the Northern Indian ocean and adjacent seas. Atmospheric Environment, 1982, 16, 1099-1107.	1.0	73
72	An experimental system for investigating vapor-particle partitioning of trace organic pollutants. Environmental Science & Technology, 1987, 21, 869-875.	10.0	73

#	Article	IF	Citations
73	Airâ^'Water Exchange of Anthropogenic and Natural Organohalogens on International Polar Year (IPY) Expeditions in the Canadian Arctic. Environmental Science & Technology, 2011, 45, 876-881.	10.0	72
74	Organochlorine pesticides in soils of Mexico and the potential for soilâ€"air exchange. Environmental Pollution, 2010, 158, 749-755.	7.5	71
75	Peer Reviewed: Using Enantiomers To Trace Pesticide Emissions. Environmental Science & Technology, 1999, 33, 206A-209A.	10.0	70
76	Influence of volatility on the collection of polycyclic aromatic hydrocarbon PAH vapors with polyurethane foam. Environmental Science & Technology, 1984, 18, 330-333.	10.0	69
77	Organochlorine pesticides in the ambient air of Chiapas, Mexico. Environmental Pollution, 2006, 140, 483-491.	7.5	68
78	HIgh volume collection of chlorinated hydrocarbons in urban air using three solid adsorbents. Atmospheric Environment, 1983, 17, 383-391.	1.0	67
79	Hexachlorocyclohexanes (HCHs) In the Canadian Archipelago. 2. Airâ^'Water Gas Exchange of Î±- and Î³-HCH. Environmental Science & Technology, 2008, 42, 465-470.	10.0	67
80	Long range transport of toxaphene insecticide in the atmosphere of the western North Atlantic. Nature, 1975, 257, 475-477.	27.8	66
81	Enantiomer Ratios for Apportioning Two Sources Of Chiral Compounds. Environmental Science & Technology, 1999, 33, 2299-2301.	10.0	66
82	Vapor pressure estimates of individual polychlorinated biphenyls and commercial fluids using gas chromatographic retention data. Journal of Chromatography A, 1985, 330, 203-216.	3.7	65
83	Chiral pesticides as tracers of airâ€"surface exchange. Environmental Pollution, 1998, 102, 43-49.	7.5	65
84	Organochlorine Pesticides in Ambient Air of Belize, Central America. Environmental Science & Technology, 2000, 34, 1953-1958.	10.0	61
85	Organochlorine pesticides in soils and air of southern Mexico: Chemical profiles and potential for soil emissions. Atmospheric Environment, 2008, 42, 7737-7745.	4.1	61
86	Air-water gas exchange and evidence for metabolism of hexachlorocyclohexanes in Resolute Bay, N.W.T.. Science of the Total Environment, 1995, 160-161, 65-74.	8.0	60
87	Atmospheric removal processes for high molecular weight organochlorines. Journal of Geophysical Research, 1979, 84, 7857-7862.	3.3	59
88	Preferential Sorption of Non- and Mono-ortho-polychlorinated Biphenyls to Urban Aerosols. Environmental Science & Technology, 1995, 29, 1666-1673.	10.0	58
89	Fate of Brominated Flame Retardants and Organochlorine Pesticides in Urban Soil: Volatility and Degradation. Environmental Science & Technology, 2012, 46, 2668-2674.	10.0	58
90	Seasonal and Spatial Variation of Polychlorinated Naphthalenes and Non-/Mono-Ortho-Substituted Polychlorinated Biphenyls in Arctic Air. Environmental Science & Technology, 2004, 38, 5514-5521.	10.0	57

#	Article	IF	Citations
91	Toxaphene and other organochlorine compounds in air and water at Resolute Bay, N.W.T., Canada. Science of the Total Environment, 1995, 160-161, 55-63.	8.0	56
92	Seasonality and interspecies differences in particle/gas partitioning of PAHs observed by the Integrated Atmospheric Deposition Network (IADN). Atmospheric Environment, 2006, 40, 182-197.	4.1	56
93	Chiral persistent organic pollutants as tracers of atmospheric sources and fate: review and prospects for investigating climate change influences. Atmospheric Pollution Research, 2012, 3, 371-382.	3.8	55
94	Determination of plychlorinated biphenyl vapor pressures by capillary gas chromatography. Journal of Chromatography A, 1981, 210, 331-336.	3.7	54
95	Trends of chlordane and toxaphene in ambient air of Columbia, South Carolina. Atmospheric Environment, 1998, 32, 1849-1856.	4.1	54
96	Chiral analysis of organochlorine pesticides in Alabama soils. Chemosphere, 2001, 45, 843-848.	8.2	54
97	Determination of polychlorinated biphenyl vapor pressures by a semimicro gas saturation method. Environmental Science & Technology, 1981, 15, 1375-1378.	10.0	53
98	Enantioselective Gas Chromatography/Mass Spectrometry of Methylsulfonyl PCBs with Application to Arctic Marine Mammals. Analytical Chemistry, 1998, 70, 3845-3852.	6.5	53
99	Sampling airborne polychlorinated biphenyls with polyurethane foam - a chromatographic approach to determining retention efficiencies. Analytical Chemistry, 1979, 51, 1110-1113.	6.5	51
100	Polychlorinated naphthalenes and coplanar polychlorinated biphenyls in beluga whale (Delphinapterus leucas) and ringed seal (Phoca hispida) from the eastern Canadian Arctic. Environmental Pollution, 2002, 119, 69-78.	7.5	47
101	Organochlorine pesticides in residential soils and sediments within two main agricultural areas of northwest Mexico: Concentrations, enantiomer compositions and potential sources. Chemosphere, 2017, 173, 275-287.	8.2	47
102	Organic contaminants in Winyah bay, South Carolina I: Pesticides and polycyclic aromatic hydrocarbons in subsurface and microlayer waters. Marine Environmental Research, 1994, 37, 63-78.	2.5	46
103	Chiral signatures of chlordanes indicate changing sources to the atmosphere over the past 30 years. Atmospheric Environment, 2004, 38, 5963-5970.	4.1	46
104	Henryâ€™s law constants for hexachlorobenzene, p,pâ€²-DDE and components of technical chlordane and estimates of gas exchange for Lake Ontario. Chemosphere, 2006, 62, 1689-1696.	8.2	46
105	EMISSION OF LEGACY CHLORINATED PESTICIDES FROM AGRICULTURAL AND ORCHARD SOILS IN BRITISH COLUMBIA, CANADA. Environmental Toxicology and Chemistry, 2006, 25, 1448.	4.3	46
106	20 Years of Airâ€“Water Gas Exchange Observations for Pesticides in the Western Arctic Ocean. Environmental Science & Technology, 2015, 49, 13844-13852.	10.0	46
107	Hexachlorocyclohexanes in the Canadian Archipelago. 1. Spatial Distribution and Pathways of Î±-, Î²-, and Î³-HCHs in Surface Water. Environmental Science & Technology, 2007, 41, 2688-2695.	10.0	45
108	Passive Air Sampling of Organochlorine Pesticides in Mexico. Environmental Science & Technology, 2009, 43, 704-710.	10.0	45

#	Article	IF	Citations
109	Natural organics as fluorescent tracers of river-sea mixing. Estuarine, Coastal and Shelf Science, 1982, 15, 701-707.	2.1	44
110	Air concentrations of organochlorine insecticides and polychlorinated biphenyls over Green Bay, WI, and the four lower Great Lakes. Environmental Pollution, 1998, 101, 391-399.	7.5	43
111	Gasâ€“particle partitioning of polychlorinated naphthalenes and non- and mono-ortho-substituted polychlorinated biphenyls in arctic air. Science of the Total Environment, 2005, 342, 161-173.	8.0	43
112	Organochlorine pesticides and PCBs in air of southern Mexico (2002â€“2004). Atmospheric Environment, 2008, 42, 8810-8818.	4.1	43
113	Enantioselective Degradation of Organochlorine Pesticides in Background Soils:Â Variability in Field and Laboratory Studies. Environmental Science & Technology, 2007, 41, 4965-4971.	10.0	41
114	Hydroxypropyl-Î²-cyclodextrin as non-exhaustive extractant for organochlorine pesticides and polychlorinated biphenyls in muck soil. Environmental Pollution, 2010, 158, 1303-1310.	7.5	41
115	Enantiomer Fractions of Organic Chlorinated Pesticides in Arctic Marine Ice Fauna, Zooplankton, and Benthos. Environmental Science & Technology, 2005, 39, 3464-3473.	10.0	40
116	A review of halogenated natural products in Arctic, Subarctic and Nordic ecosystems. Emerging Contaminants, 2019, 5, 89-115.	4.9	40
117	Aging of Organochlorine Pesticides and Polychlorinated Biphenyls in Muck Soil: Volatilization, Bioaccessibility, and Degradation. Environmental Science & Technology, 2011, 45, 958-963.	10.0	39
118	Fate of Chiral and Achiral Organochlorine Pesticides in the North Atlantic Bloom Experiment. Environmental Science & Technology, 2012, 46, 8106-8114.	10.0	38
119	Current use pesticide and legacy organochlorine pesticide dynamics at the ocean-sea ice-atmosphere interface in resolute passage, Canadian Arctic, during winter-summer transition. Science of the Total Environment, 2017, 580, 1460-1469.	8.0	38
120	Temperature dependent Henryâ€™s law constant for technical toxaphene. Chemosphere, 2000, 2, 225-231.	1.2	37
121	Spatial and Temporal Trends of Chiral Organochlorine Signatures in Great Lakes Air Using Passive Air Samplers. Environmental Science & Technology, 2007, 41, 3877-3883.	10.0	37
122	Atmospheric deposition of persistent organic pollutants and chemicals of emerging concern at two sites in northern Sweden. Environmental Sciences: Processes and Impacts, 2014, 16, 298.	3.5	37
123	Correlation between Global Emissions of Î±-hexachlorocyclohexane and Its Concentrations in the Arctic Air. Journal of Environmental Informatics, 2003, 1, 52-57.	6.0	37
124	Petroleum hydrocarbons in the surface water of two estuaries in the Southeastern united states. Estuarine, Coastal and Shelf Science, 1990, 30, 91-109.	2.1	36
125	Microbial degradation is a key elimination pathway of hexachlorocyclohexanes from the Arctic Ocean. Geophysical Research Letters, 2000, 27, 1155-1158.	4.0	36
126	Climate change influence on the levels and trends of persistent organic pollutants (POPs) and chemicals of emerging Arctic concern (CEACs) in the Arctic physical environment â€“ a review. Environmental Sciences: Processes and Impacts, 2022, 24, 1577-1615.	3.5	36

#	Article	IF	Citations
127	Determination of Vapor Pressures for Organophosphate Esters. Journal of Chemical & Engineering Data, 2014, 59, 1441-1447.	1.9	35
128	Concentrations and Fluxes of Hexachlorocyclohexanes and Chiral Composition of Î±-HCH in Environmental Samples from the Southern Baltic Sea. Environmental Science & Technology, 2001, 35, 4739-4746.	10.0	34
129	Currentâ€use pesticides in inland lake waters, precipitation, and air from Ontario, Canada. Environmental Toxicology and Chemistry, 2011, 30, 1539-1548.	4.3	34
130	Frontal movement of hexachlorobenzene and polychlorinated biphenyl vapors through polyurethane. Analytical Chemistry, 1981, 53, 1926-1929.	6.5	32
131	Airâ€“water gas exchange of Î±-hexachlorocyclohexane enantiomers in the South Atlantic Ocean and Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2004, 51, 2661-2672.	1.4	32
132	Comparison of concentrations and stereoisomer ratios of mecoprop, dichlorprop and metolachlor in Ontario streams, 2006â€“2007 vs. 2003â€“2004. Environmental Pollution, 2010, 158, 1842-1849.	7.5	32
133	Toxaphene degradation in estuarine sediments. Journal of Agricultural and Food Chemistry, 1978, 26, 280-282.	5.2	31
134	Occurrence and vapor particle partitioning of heavy organic compounds in ambient air in Brazzaville, Congo. Environmental Pollution, 1992, 76, 147-156.	7.5	31
135	Toxaphene in amphipods and zooplankton from the Arctic Ocean. Chemosphere, 1993, 27, 1949-1963.	8.2	31
136	Modelling of the long-term fate of pesticide residues in agricultural soils and their surface exchange with the atmosphere: Part II. Projected long-term fate of pesticide residues. Science of the Total Environment, 2007, 377, 61-80.	8.0	31
137	The delivery of organic contaminants to the Arctic food web: Why sea ice matters. Science of the Total Environment, 2015, 506-507, 444-452.	8.0	31
138	Organic contaminants in the northwest Atlantic atmosphere at Sable Island, Nova Scotia, 1988â€“1989. Chemosphere, 1992, 24, 1389-1412.	8.2	30
139	Complete Separation of Isomeric Penta- and Hexachloronaphthalenes by Capillary Gas Chromatography. Journal of High Resolution Chromatography, 1999, 22, 639-643.	1.4	30
140	Toxaphene in the United States: 2. Emissions and residues. Journal of Geophysical Research, 2001, 106, 17929-17938.	3.3	30
141	Atmospheric pathways of chlorinated pesticides and natural bromoanisoles in the northern Baltic Sea and its catchment. Ambio, 2015, 44, 472-483.	5.5	30
142	Degradation as a Loss Mechanism in the Fate of Î±-Hexachlorocyclohexane in Arctic Watersheds. Environmental Science & Technology, 2000, 34, 812-818.	10.0	28
143	Enantiomeric Signatures of Organochlorine Pesticides in Asian, Trans-Pacific, and Western U.S. Air Masses. Environmental Science & Technology, 2009, 43, 2806-2811.	10.0	28
144	Chiral Pesticides in Soil and Water and Exchange with the Atmosphere. Scientific World Journal, The, 2002, 2, 357-373.	2.1	27

#	Article	IF	Citations
145	Evidence of Enantioselective Degradation of Î±-Hexachlorocyclohexane in Groundwater. Environmental Science & Technology, 2004, 38, 1633-1638.	10.0	27
146	Acute Effects of Toxaphene and Its Sediment-Degraded Products on Estuarine Fish. Canadian Journal of Fisheries and Aquatic Sciences, 1983, 40, 2119-2125.	1.4	25
147	Atmospheric toxaphene in the high Arctic. Chemosphere, 1993, 27, 2037-2046.	8.2	25
148	Airâ€"water gas exchange of toxaphene in Lake Superior. Environmental Toxicology and Chemistry, 2003, 22, 1229-1237.	4.3	25
149	Identifying the Research and Infrastructure Needs for the Global Assessment of Hazardous Chemicals Ten Years after Establishing the Stockholm Convention. Environmental Science & Technology, 2011, 45, 7617-7619.	10.0	25
150	Metallofluorescent indicators as spray reagents for the in situ determination of organophosphorus pesticides on thin-layer chromatograms. Analytica Chimica Acta, 1972, 60, 13-23.	5.4	24
151	Airâ€“water gas exchange of chiral and achiral organochlorine pesticides in the Great Lakes. Atmospheric Environment, 2008, 42, 8533-8542.	4.1	24
152	Determination of vapor pressures for chloroguaiacols, chloroveratroles, and nonylphenol by gas chromatography. Chemosphere, 1985, 14, 1475-1481.	8.2	23
153	Collection of nonpolar organic compounds from ambient air using polyurethane foam-granular adsorbent sandwich cartridges. Analytical Chemistry, 1991, 63, 1228-1232.	6.5	23
154	Atmospheric Transport and Deposition of Pesticides: An Assessment of Current Knowledge. Water, Air, and Soil Pollution, 1999, 115, 245-256.	2.4	23
155	Modelling of the long term fate of pesticide residues in agricultural soils and their surface exchange with the atmosphere: Part I. Model description and evaluation. Science of the Total Environment, 2006, 368, 823-838.	8.0	23
156	Bismuth-dithizone equilibria and hydrolysis of bismuth ion in aqueous solution. Analytica Chimica Acta, 1971, 56, 221-231.	5.4	22
157	Modelling the temperature-induced blow-off and blow-on artefacts in filter-sorbent measurements of semivolatile substances. Atmospheric Environment, 2006, 40, 4258-4268.	4.1	22
158	Will Climate Change Influence Production and Environmental Pathways of Halogenated Natural Products?. Environmental Science & Technology, 2020, 54, 6468-6485.	10.0	22
159	Vapor-Particle Partitioning of Semivolatile Organic Compounds. Advances in Chemistry Series, 1987, , 27-56.	0.6	21
160	Long-range atmospheric transport of toxaphene to Lake Baikal. Chemosphere, 1993, 27, 2027-2036.	8.2	21
161	Metolachlor and Atrazine in the Great Lakes. Environmental Science & Technology, 2010, 44, 4678-4684.	10.0	21
162	Atmospheric Transport and Air-Surface Exchange of Pesticides. , 1999, , 115-166.		21

#	Article	IF	Citations
163	Rainfall Input of Toxaphene to a South Carolina Estuary. Estuaries and Coasts, 1980, 3, 142.	1.7	20
164	Interlaboratory analysis of high molecular weight organochlorines in ambient air. Atmospheric Environment, 1981, 15, 619-624.	1.0	20
165	Gas Chromatographic Estimation of Vapor Pressures and Octanolâ€“Air Partition Coefficients of Semivolatile Organic Compounds of Emerging Concern. Journal of Chemical & Engineering Data, 2020, 65, 2467-2475.	1.9	20
166	Chiral Current-Use Herbicides in Ontario Streams. Environmental Science & Technology, 2008, 42, 8452-8458.	10.0	19
167	SOILâ€“AIR RELATIONSHIPS FOR TOXAPHENE IN THE SOUTHERN UNITED STATES. Environmental Toxicology and Chemistry, 2004, 23, 2337.	4.3	18
168	Scavenging Amphipods: Sentinels for Penetration of Mercury and Persistent Organic Chemicals into Food Webs of the Deep Arctic Ocean. Environmental Science & Technology, 2013, 47, 5553-5561.	10.0	18
169	Field estimates of polyurethane foam â€“ air partition coefficients for hexachlorobenzene, alpha-hexachlorocyclohexane and bromoanisoles. Chemosphere, 2016, 159, 126-131.	8.2	18
170	Atmospheric Transport and Deposition of Bromoanisoles Along a Temperate to Arctic Gradient. Environmental Science & Technology, 2017, 51, 10974-10982.	10.0	18
171	Theoretical plate measurements and collection efficiencies for high-volume air samplers using polyurethane foam. Journal of Chromatography A, 1984, 301, 448-453.	3.7	17
172	Estimation of PCC loadings from the atmosphere to the Great Lakes. Chemosphere, 1993, 27, 2047-2055.	8.2	17
173	Vapor Pressures and Enthalpies of Vaporization for Toxaphene Congeners. Journal of Chemical & Engineering Data, 2003, 48, 1122-1127.	1.9	17
174	Interlaboratory study of toxaphene analysis in ambient air. Atmospheric Environment, 2004, 38, 3713-3722.	4.1	17
175	Sea-air exchange of bromoanisoles and methoxylated bromodiphenyl ethers in the Northern Baltic. Marine Pollution Bulletin, 2016, 112, 58-64.	5.0	17
176	The Long-Range Transport of Organic Compounds. , 1990, , 259-302.		17
177	Laboratory evaluation of polyurethane foam-granular adsorbent sandwich cartridges for collecting chlorophenols from air. Analytical Chemistry, 1992, 64, 2858-2861.	6.5	16
178	Assay of Polychlorinated Biphenyl Bioaccumulation from Sediments by Marine Benthic Copepods Using a Novel Microextraction Technique. Environmental Science & Technology, 1994, 28, 1609-1614.	10.0	16
179	Compound specific isotope analysis of hexachlorocyclohexane isomers: a method for source fingerprinting and field investigation of in situ biodegradation. Rapid Communications in Mass Spectrometry, 2015, 29, 505-514.	1.5	16
180	Spatial distribution of polychlorinated naphthalenes in air over the Great Lakes and air-water gas exchange in Lake Ontario. Environmental Toxicology and Chemistry, 2003, 22, 1937-44.	4.3	16

#	Article	IF	Citations
181	Toxaphene contamination in Lake Baikal's water and food web. Chemosphere, 1993, 27, 2017-2026.	8.2	15
182	Spatial distribution of polychlorinated naphthalenes in air over the Great Lakes and airâ€water gas exchange in Lake Ontario. Environmental Toxicology and Chemistry, 2003, 22, 1937-1944.	4.3	15
183	Air-water gas exchange of toxaphene in Lake Superior. Environmental Toxicology and Chemistry, 2003, 22, 1229-37.	4.3	15
184	Polychlorinated Naphthalenes in the Great Lakes. , 0, , 267-306.		14
185	Novel Bayesian Method to Derive Final Adjusted Values of Physicochemical Properties: Application to 74 Compounds. Environmental Science & Technology, 2021, 55, 12302-12316.	10.0	14
186	Airâ€“Water Exchange of Brominated Anisoles in the Northern Baltic Sea. Environmental Science & Technology, 2014, 48, 6124-6132.	10.0	13
187	Chlorinated pesticides and natural brominated anisoles in air at three northern Baltic stations. Environmental Pollution, 2017, 225, 381-389.	7.5	13
188	Bromoanisoles and methoxylated bromodiphenyl ethers in macroalgae from Nordic coastal regions. Environmental Sciences: Processes and Impacts, 2019, 21, 881-892.	3.5	12
189	DDT Concentrations in Soils of Brazzaville, Congo. Bulletin of Environmental Contamination and Toxicology, 2006, 76, 697-704.	2.7	11
190	Breakthrough during air sampling with polyurethane foam: What do PUF 2/PUF 1 ratios mean?. Chemosphere, 2018, 192, 267-271.	8.2	11
191	Collection of two-ring aromatic hydrocarbons, chlorinated phenols, guaiacols, and benzenes from ambient air using polyurethane foam/Tenax-GC cartridges. Chemosphere, 1998, 37, 885-898.	8.2	9
192	Forty-five Years of Foam: A Retrospective on Air Sampling with Polyurethane Foam. Bulletin of Environmental Contamination and Toxicology, 2019, 102, 447-449.	2.7	9
193	HIGH-VOLUME COLLECTION OF ORGANIC VAPORS USING SOLID ADSORBENTS. , 1985, , 51-100.		9
194	Atmospheric Transport and Deposition of Pesticides: An Assessment of Current Knowledge. , 1999, , 245-256.		9
195	Influence of reproductive activity on toxicity of petroleum hydrocarbons to ghost crabs. Marine Pollution Bulletin, 1981, 12, 63-65.	5.0	8
196	Organic contaminants in Winyah Bay, South Carolina II: Using natural fluorescence to follow atrazine levels and river mixing. Marine Environmental Research, 1994, 37, 79-91.	2.5	8
197	Lake Superior Has Lost over 90% of Its Pesticide HCH Load since 1986. Environmental Science & Technology, 2021, 55, 9518-9526.	10.0	8
198	Preparation and infrared spectra of palladium derivatives of some organophosphorus insecticides. Talanta, 1973, 20, 103-113.	5.5	7

#	Article	IF	Citations
199	Separation of Polychlorinated Biphenyls, Chlordane, and p,p'-DDT from Toxaphene by Silicic Acid Column Chromatography. Journal of the Association of Official Analytical Chemists, 1978, 61, 820-828.	0.2	7
200	Is There Still â€œNewâ€•DDT in North America? An Investigation Using Proportions of DDT Compounds. ACS Symposium Series, 2013, , 153-181.	0.5	7
201	Chiral Chemicals as Tracers of Atmospheric Sources and Fate Processes in a World of Changing Climate. Mass Spectrometry, 2013, 2, S0019-S0019.	0.6	7
202	High-volume elution chromatography of dichlorobenzenes on a polyurethane foamâ€"tenax sandwich cartridge. Journal of Chromatography A, 1987, 409, 235-242.	3.7	6
203	Sorption to Aerosols. , 2000, , .		6
204	Enantiomers of methylhexachlorocyclohexane and hexachlorocyclohexane in fish, shellfish, and waters of the Mersey estuary. Environmental Toxicology, 1999, 14, 397-403.	4.0	5
205	Air-Soil and Air-Water Exchange of Chiral Pesticides. ACS Symposium Series, 2003, , 196-225.	0.5	5
206	AIRâ€"WATER GAS EXCHANGE OF TOXAPHENE IN LAKE SUPERIOR. Environmental Toxicology and Chemistry, 2003, 22, 1229.	4.3	5
207	Chlorinated hydrocarbons in marine insects. Estuarine and Coastal Marine Science, 1977, 5, 289-291.	0.9	4
208	Fluorescence spectroscopic studies of differential accumulation of aromatic hydrocarbons by Callianassa kraussi. Oil and Chemical Pollution, 1990, 6, 1-19.	0.1	4
209	Persistent Organic Pollutants (Pops) and Airâ€"Soil Exchange: Case Studies for Ddts. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 315-331.	0.2	4
210	Comment on â€œA Database of Experimentally Derived and Estimated Octanolâ€"Air Partition Ratios (‹i›K‹/i›‹sub›OA‹/sub›)â€•[J. Phys. Chem. Ref. Data 50, 043101 (2021)]. Journal of Physical and Chemical Reference Data, 2022, 51, 026101.	4.2	4
211	Sources, occurrence, trends and pathways of contaminants in the arctic physical environment: introduction to the special issue. Science of the Total Environment, 2005, 342, 1-4.	8.0	3
212	Comparison of micrometeorological and two-film estimates of airâ€"water gas exchange for alpha-hexachlorocyclohexane in the Canadian archipelago. Environmental Science and Pollution Research, 2012, 19, 1908-1914.	5.3	3
213	Industrial and natural compounds in filterâ€feeding black fly larvae and water in 3 tundra streams. Environmental Toxicology and Chemistry, 2018, 37, 3011-3017.	4.3	3
214	GLOBAL CHEMICAL FATE OF Î±-HEXACHLOROCYCLOHEXANE. 1. EVALUATION OF A GLOBAL DISTRIBUTION MODEL. Environmental Toxicology and Chemistry, 1999, 18, 1390.	4.3	3
215	The relationship between resolution and percent band overlap. Journal of Chemical Education, 1979, 56, 293.	2.3	2
216	Gas-Particle Distribution and Atmospheric Deposition of Semivolatile Organic Compounds. , 1991, , 65-86.		2

#	Article	IF	Citations
217	Polychlorinated Naphthalenes in the Atmosphere. ACS Symposium Series, 2000, , 223-234.	0.5	2
218	Environmental Fate of Legacy Chiral Pesticides in Background Soils. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 99-112.	0.2	2
219	Interlaboratory study of toxaphene analysis in ambient air. Atmospheric Environment, 2004, 38, 3713-3713.	4.1	1
220	Letter to the Editor regarding â€˜Celebrating Bidlemanâ€™s 1988 â€œAtmospheric Processesâ€â€™. Environmental Science & Technology, 2015, 49, 2586-2586.	10.0	0
221	SPATIAL DISTRIBUTION OF POLYCHLORINATED NAPHTHALENES IN AIR OVER THE GREAT LAKES AND AIRâ€“WATER GAS EXCHANGE IN LAKE ONTARIO. Environmental Toxicology and Chemistry, 2003, 22, 1937.	4.3	0