

# Matthew MacLeod

## List of Publications by Year in descending order

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163  
papers

12,908  
citations

36691

53  
h-index

28425

109  
g-index

168  
all docs

168  
docs citations

168  
times ranked

11902  
citing authors

#	ARTICLE	IF	CITATIONS
1	USEtoxâ€™the UNEP-SETAC toxicity model: recommended characterisation factors for human toxicity and freshwater ecotoxicity in life cycle impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2008, 13, 532-546.	2.2	1,180
2	Pathways for degradation of plastic polymers floating in the marine environment. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1513-1521.	1.7	1,066
3	The global threat from plastic pollution. <i>Science</i> , 2021, 373, 61-65.	6.0	862
4	Estimation of cumulative aquatic exposure and risk due to silver: Contribution of nano-functionalized plastics and textiles. <i>Science of the Total Environment</i> , 2008, 390, 396-409.	3.9	843
5	Outside the Safe Operating Space of the Planetary Boundary for Novel Entities. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1510-1521.	4.6	477
6	Reducing Uncertainty and Confronting Ignorance about the Possible Impacts of Weathering Plastic in the Marine Environment. <i>Environmental Science and Technology Letters</i> , 2017, 4, 85-90.	3.9	372
7	Toxicity of leachate from weathering plastics: An exploratory screening study with <i>Nitocra spinipes</i> . <i>Chemosphere</i> , 2015, 132, 114-119.	4.2	291
8	Building a Model Based on Scientific Consensus for Life Cycle Impact Assessment of Chemicals: The Search for Harmony and Parsimony. <i>Environmental Science &amp; Technology</i> , 2008, 42, 7032-7037.	4.6	270
9	Identification of Chain Scission Products Released to Water by Plastic Exposed to Ultraviolet Light. <i>Environmental Science and Technology Letters</i> , 2018, 5, 272-276.	3.9	223
10	Modeling Global-Scale Fate and Transport of Perfluorooctanoate Emitted from Direct Sources. <i>Environmental Science &amp; Technology</i> , 2006, 40, 6969-6975.	4.6	217
11	Past, Present, and Future Controls on Levels of Persistent Organic Pollutants in the Global Environment. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6526-6531.	4.6	214
12	Comparative Assessment of the Global Fate and Transport Pathways of Long-Chain Perfluorocarboxylic Acids (PFCAs) and Perfluorocarboxylates (PFCs) Emitted from Direct Sources. <i>Environmental Science &amp; Technology</i> , 2009, 43, 5830-5836.	4.6	206
13	Using COSMOtherm to predict physicochemical properties of poly- and perfluorinated alkyl substances (PFASs). <i>Environmental Chemistry</i> , 2011, 8, 389.	0.7	202
14	Intrinsic Human Elimination Half-Lives of Polychlorinated Biphenyls Derived from the Temporal Evolution of Cross-Sectional Biomonitoring Data from the United Kingdom. <i>Environmental Health Perspectives</i> , 2011, 119, 225-231.	2.8	200
15	Evaluating and expressing the propagation of uncertainty in chemical fate and bioaccumulation models. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 700-709.	2.2	199
16	Global Distribution of Linear and Cyclic Volatile Methyl Siloxanes in Air. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3349-3354.	4.6	191
17	Abundance and composition of near surface microplastics and plastic debris in the Stockholm Archipelago, Baltic Sea. <i>Marine Pollution Bulletin</i> , 2017, 120, 292-302.	2.3	181
18	Improving Data Quality for Environmental Fate Models: A Least-Squares Adjustment Procedure for Harmonizing Physicochemical Properties of Organic Compounds. <i>Environmental Science &amp; Technology</i> , 2005, 39, 8434-8441.	4.6	162

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19	Modeling the Global Fate and Transport of Perfluorooctane Sulfonate (PFOS) and Precursor Compounds in Relation to Temporal Trends in Wildlife Exposure. <i>Environmental Science &amp; Technology</i> , 2009, 43, 9274-9280.	4.6	158
20	Enhanced Elimination of Perfluorooctane Sulfonic Acid by Menstruating Women: Evidence from Population-Based Pharmacokinetic Modeling. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8807-8814.	4.6	153
21	Weathering Plastics as a Planetary Boundary Threat: Exposure, Fate, and Hazards. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7246-7255.	4.6	152
22	Modeling the Global Fate and Transport of Perfluorooctanoic Acid (PFOA) and Perfluorooctanoate (PFO) Emitted from Direct Sources Using a Multispecies Mass Balance Model. <i>Environmental Science &amp; Technology</i> , 2009, 43, 1134-1140.	4.6	151
23	Fast Quantification of Chlorinated Paraffins in Environmental Samples by Direct Injection High-Resolution Mass Spectrometry with Pattern Deconvolution. <i>Analytical Chemistry</i> , 2015, 87, 2852-2860.	3.2	142
24	BETR North America: A regionally segmented multimedia contaminant fate model for North America. <i>Environmental Science and Pollution Research</i> , 2001, 8, 156-63.	2.7	138
25	Comparing Estimates of Persistence and Long-Range Transport Potential among Multimedia Models. <i>Environmental Science &amp; Technology</i> , 2005, 39, 1932-1942.	4.6	138
26	Assessing the Influence of Climate Variability on Atmospheric Concentrations of Polychlorinated Biphenyls Using a Global-Scale Mass Balance Model (BETR-Global). <i>Environmental Science &amp; Technology</i> , 2005, 39, 6749-6756.	4.6	137
27	The OECD software tool for screening chemicals for persistence and long-range transport potential. <i>Environmental Modelling and Software</i> , 2009, 24, 228-237.	1.9	134
28	Contribution of Volatile Precursor Substances to the Flux of Perfluorooctanoate to the Arctic. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3710-3716.	4.6	123
29	Modeling the Global Levels and Distribution of Polychlorinated Biphenyls in Air under a Climate Change Scenario. <i>Environmental Science &amp; Technology</i> , 2009, 43, 5818-5824.	4.6	110
30	Photoreactions of Mercury in Surface Ocean Water: Gross Reaction Kinetics and Possible Pathways. <i>Environmental Science &amp; Technology</i> , 2010, 44, 644-649.	4.6	106
31	Application of Multimedia Models for Screening Assessment of Long-Range Transport Potential and Overall Persistence. <i>Environmental Science &amp; Technology</i> , 2006, 40, 53-60.	4.6	103
32	The State of Multimedia Mass-Balance Modeling in Environmental Science and Decision-Making. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8360-8364.	4.6	100
33	Modelling the fate of persistent organic pollutants in Europe: parameterisation of a gridded distribution model. <i>Environmental Pollution</i> , 2004, 128, 251-261.	3.7	92
34	Confronting Unknown Planetary Boundary Threats from Chemical Pollution. <i>Environmental Science &amp; Technology</i> , 2013, 47, 12619-12622.	4.6	92
35	Effects of Leachates from UV-Weathered Microplastic in Cell-Based Bioassays. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9214-9223.	4.6	91
36	Alternative Approaches for Modeling Gas-Particle Partitioning of Semivolatile Organic Chemicals: Model Development and Comparison. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1272-1278.	4.6	86

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37	Kinetics and Mechanism of the Oxidation of Cyclic Methylsiloxanes by Hydroxyl Radical in the Gas Phase: An Experimental and Theoretical Study. <i>Environmental Science &amp; Technology</i> , 2015, 49, 13322-13330.	4.6	84
38	BETR global – A geographically-explicit global-scale multimedia contaminant fate model. <i>Environmental Pollution</i> , 2011, 159, 1442-1445.	3.7	82
39	Emissions, Fate and Transport of Persistent Organic Pollutants to the Arctic in a Changing Global Climate. <i>Environmental Science &amp; Technology</i> , 2013, 47, 2323-2330.	4.6	78
40	BETR-World: a geographically explicit model of chemical fate: application to transport of $\hat{\pm}$ -HCH to the Arctic. <i>Environmental Pollution</i> , 2004, 128, 223-240.	3.7	75
41	The Origin and Significance of Short-Term Variability of Semivolatile Contaminants in Air. <i>Environmental Science &amp; Technology</i> , 2007, 41, 3249-3253.	4.6	73
42	Pooled biological specimens for human biomonitoring of environmental chemicals: Opportunities and limitations. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014, 24, 225-232.	1.8	73
43	Deconvolution of Soft Ionization Mass Spectra of Chlorinated Paraffins To Resolve Congener Groups. <i>Analytical Chemistry</i> , 2016, 88, 8980-8988.	3.2	68
44	Physical-Chemical Property Data for Dibenzo-p-dioxin (DD), Dibenzofuran (DF), and Chlorinated DD/Fs: A Critical Review and Recommended Values. <i>Journal of Physical and Chemical Reference Data</i> , 2008, 37, 1997-2008.	1.9	63
45	Measuring and Modeling Short-Term Variability of PCBs in Air and Characterization of Urban Source Strength in Zurich, Switzerland. <i>Environmental Science &amp; Technology</i> , 2009, 43, 769-776.	4.6	63
46	Concentrations in Ambient Air and Emissions of Cyclic Volatile Methylsiloxanes in Zurich, Switzerland. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7045-7051.	4.6	63
47	Methods for trace analysis of short-, medium-, and long-chain chlorinated paraffins: Critical review and recommendations. <i>Analytica Chimica Acta</i> , 2019, 1074, 16-32.	2.6	63
48	A Multi-Individual Pharmacokinetic Model Framework for Interpreting Time Trends of Persistent Chemicals in Human Populations: Application to a Postban Situation. <i>Environmental Health Perspectives</i> , 2009, 117, 1280-1286.	2.8	62
49	Identifying Chemicals That Are Planetary Boundary Threats. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11057-11063.	4.6	62
50	On the validity of classifying chemicals for persistence, bioaccumulation, toxicity, and potential for long-range transport. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1491-1498.	2.2	60
51	Toward the next generation of air quality monitoring: Persistent organic pollutants. <i>Atmospheric Environment</i> , 2013, 80, 591-598.	1.9	59
52	Quantifying Short-Chain Chlorinated Paraffin Congener Groups. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10633-10641.	4.6	59
53	Historical human exposure to perfluoroalkyl acids in the United States and Australia reconstructed from biomonitoring data using population-based pharmacokinetic modelling. <i>Environment International</i> , 2017, 108, 92-102.	4.8	59
54	Estimating Enthalpy of Vaporization from Vapor Pressure Using Trouton's Rule. <i>Environmental Science &amp; Technology</i> , 2007, 41, 2827-2832.	4.6	54

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55	An assessment of the environmental fate and exposure of benzene and the chlorobenzenes in Canada. <i>Chemosphere</i> , 1999, 38, 1777-1796.	4.2	53
56	Historical intake and elimination of polychlorinated biphenyls and organochlorine pesticides by the Australian population reconstructed from biomonitoring data. <i>Environment International</i> , 2015, 74, 82-88.	4.8	50
57	Mass Balance for Mercury in the San Francisco Bay Area. <i>Environmental Science &amp; Technology</i> , 2005, 39, 6721-6729.	4.6	49
58	Bioaccumulation of Organic Contaminants in Humans: A Multimedia Perspective and the Importance of Biotransformation. <i>Environmental Science &amp; Technology</i> , 2011, 45, 197-202.	4.6	49
59	Silicone passive equilibrium samplers as "chemometers" in eels and sediments of a Swedish lake. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 464-472.	1.7	49
60	Modeling transport and deposition of contaminants to ecosystems of concern: a case study for the Laurentian Great Lakes. <i>Environmental Pollution</i> , 2004, 128, 241-250.	3.7	48
61	Emissions of Polychlorinated Biphenyls, Polychlorinated Dibenzo- <i>p</i> -dioxins, and Polychlorinated Dibenzofurans during 2010 and 2011 in Zurich, Switzerland. <i>Environmental Science &amp; Technology</i> , 2014, 48, 482-490.	4.6	48
62	Environmental fate and exposure models: advances and challenges in 21 <sup>st</sup> century chemical risk assessment. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 58-71.	1.7	48
63	Polychlorinated biphenyls (PCBs) as sentinels for the elucidation of Arctic environmental change processes: a comprehensive review combined with ArcRisk project results. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22499-22528.	2.7	47
64	Multimedia Environmental Models. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2002, 6, 63-69.	0.4	46
65	Development of continental scale multimedia contaminant fate models: Integrating GIS. <i>Environmental Science and Pollution Research</i> , 2001, 8, 164-72.	2.7	45
66	Using Chemical Benchmarking to Determine the Persistence of Chemicals in a Swedish Lake. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1646-1653.	4.6	42
67	TRACKING MULTIPLE PATHWAYS OF HUMAN EXPOSURE TO PERSISTENT MULTIMEDIA POLLUTANTS: Regional, Continental, and Global-Scale Models. <i>Annual Review of Environment and Resources</i> , 2003, 28, 463-492.	5.6	41
68	Modeling Exposure to Persistent Chemicals in Hazard and Risk Assessment. <i>Integrated Environmental Assessment and Management</i> , 2009, 5, 662.	1.6	40
69	Statistical Analysis of Long-Term Monitoring Data for Persistent Organic Pollutants in the Atmosphere at 20 Monitoring Stations Broadly Indicates Declining Concentrations. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12492-12499.	4.6	40
70	Equilibrium Sampling to Determine the Thermodynamic Potential for Bioaccumulation of Persistent Organic Pollutants from Sediment. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11352-11359.	4.6	40
71	Remoteness from Emission Sources Explains the Fractionation Pattern of Polychlorinated Biphenyls in the Northern Hemisphere. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6183-6188.	4.6	37
72	Applications of Contaminant Fate and Bioaccumulation Models in Assessing Ecological Risks of Chemicals: A Case Study for Gasoline Hydrocarbons. <i>Environmental Science &amp; Technology</i> , 2004, 38, 6225-6233.	4.6	36

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73	Good modeling practice guidelines for applying multimedia models in chemical assessments. Integrated Environmental Assessment and Management, 2012, 8, 703-708.	1.6	36
74	Assessment of Nonoccupational Exposure to DDT in the Tropics and the North: Relevance of Uptake via Inhalation from Indoor Residual Spraying. Environmental Health Perspectives, 2011, 119, 707-712.	2.8	35
75	Comparative Assessment of the Global Fate of $\hat{1}\pm$ - and $\hat{1}^2$ -Hexachlorocyclohexane before and after Phase-Out. Environmental Science & Technology, 2012, 46, 2047-2054.	4.6	35
76	Quantification of sources of PCBs to the atmosphere in urban areas: A comparison of cities in North America, Western Europe and former Yugoslavia. Environmental Pollution, 2010, 158, 3230-3235.	3.7	33
77	Evaluation and comparison of multimedia mass balance models of chemical fate: application of EUSES and ChemCAN to 68 chemicals in Japan. Chemosphere, 2001, 44, 599-612.	4.2	32
78	Improving the Environmental Risk Assessment of Substances of Unknown or Variable Composition, Complex Reaction Products, or Biological Materials. Environmental Toxicology and Chemistry, 2020, 39, 2097-2108.	2.2	32
79	A dynamic mass budget for toxaphene in North America. Environmental Toxicology and Chemistry, 2002, 21, 1628-1637.	2.2	30
80	Organic Carbon/Water and Dissolved Organic Carbon/Water Partitioning of Cyclic Volatile Methylsiloxanes: Measurements and Polyparameter Linear Free Energy Relationships. Environmental Science & Technology, 2015, 49, 12161-12168.	4.6	30
81	Atmospheric fate of poly- and perfluorinated alkyl substances (PFASs): II. Emission source strength in summer in Zurich, Switzerland. Environmental Pollution, 2012, 169, 204-209.	3.7	29
82	No measurable "cleaning" of polychlorinated biphenyls from Rainbow Trout in a 9 week depuration study with dietary exposure to 40% polyethylene microspheres. Environmental Sciences: Processes and Impacts, 2016, 18, 788-795.	1.7	29
83	Quantifying Remoteness from Emission Sources of Persistent Organic Pollutants on a Global Scale. Environmental Science & Technology, 2010, 44, 2791-2796.	4.6	28
84	Bounding uncertainties in intrinsic human elimination half-lives and intake of polybrominated diphenyl ethers in the North American population. Environment International, 2013, 59, 168-174.	4.8	27
85	Remoteness from sources of persistent organic pollutants in the multi-media global environment. Environmental Pollution, 2016, 217, 33-41.	3.7	27
86	Overview: Integrative and Comprehensive Understanding on Polar Environments (iCUPE) " concept and initial results. Atmospheric Chemistry and Physics, 2020, 20, 8551-8592.	1.9	26
87	A regionally segmented national scale multimedia contaminant fate model for Canada with GIS data input and display. Environmental Pollution, 2002, 119, 341-355.	3.7	25
88	Dependence of Intake Fraction on Release Location in a Multimedia Framework.. Journal of Industrial Ecology, 2004, 8, 89-102.	2.8	25
89	Estimation of the Source Strength of Polybrominated Diphenyl Ethers Based on Their Diel Variability in Air in Zurich, Switzerland. Environmental Science & Technology, 2010, 44, 4225-4231.	4.6	25
90	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.	4.6	25

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91	Emissions of polybrominated diphenyl ethers (PBDEs) in Zurich, Switzerland, determined by a combination of measurements and modeling. <i>Chemosphere</i> , 2014, 116, 15-23.	4.2	25
92	Measurement and Modeling of Diel Variability of Polybrominated Diphenyl Ethers and Chlordanes in Air. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3219-3225.	4.6	24
93	Junge relationships in measurement data for cyclic siloxanes in air. <i>Chemosphere</i> , 2013, 93, 830-834.	4.2	24
94	Synthetic Application of Monoprotected Hydrazines toward the Synthesis of 1-Aminopyrroles. <i>Journal of Organic Chemistry</i> , 1996, 61, 1180-1183.	1.7	23
95	Rate Constants and Activation Energies for Gas-Phase Reactions of Three Cyclic Volatile Methyl Siloxanes with the Hydroxyl Radical. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 420-428.	1.0	23
96	Variability in Toxicity of Plastic Leachates as a Function of Weathering and Polymer Type: A Screening Study with the Copepod <i>Nitocra spinipes</i> . <i>Biological Bulletin</i> , 2021, 240, 191-199.	0.7	23
97	The Full Multi: An open-source framework for modelling the transport and fate of nano- and microplastics in aquatic systems. <i>Environmental Modelling and Software</i> , 2022, 148, 105291.	1.9	23
98	Screening-level exposure-based prioritization to identify potential POPs, vPvBs and planetary boundary threats among Arctic contaminants. <i>Emerging Contaminants</i> , 2017, 3, 85-94.	2.2	22
99	Temperature Dependence of the Organic Carbon/Water Partition Ratios ( $K_{OC}$ ) of Volatile Methylsiloxanes. <i>Environmental Science and Technology Letters</i> , 2017, 4, 240-245.	3.9	21
100	MULTIMEDIA PERSISTENCE AS AN INDICATOR OF POTENTIAL FOR POPULATION-LEVEL INTAKE OF ENVIRONMENTAL CONTAMINANTS. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 2465.	2.2	20
101	Modelling the influence of climate change on the chemical concentrations in the Baltic Sea region with the POPCYCLING-Baltic model. <i>Chemosphere</i> , 2014, 110, 31-40.	4.2	19
102	Regional differences in gas-particle partitioning and deposition of semivolatile organic compounds on a global scale. <i>Atmospheric Environment</i> , 2008, 42, 554-567.	1.9	18
103	Quantifying uncertainties in the global mass balance of mercury. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	1.9	18
104	Mercury cycling and species mass balances in four North American lakes. <i>Environmental Pollution</i> , 2009, 157, 452-462.	3.7	17
105	Evaluating and expressing the propagation of uncertainty in chemical fate and bioaccumulation models. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 700-9.	2.2	17
106	Exposure assessment at a PCDD/F contaminated site in Sweden—field measurements of exposure media and blood serum analysis. <i>Environmental Science and Pollution Research</i> , 2010, 17, 26-39.	2.7	16
107	Mountain Cold-Trapping Increases Transfer of Persistent Organic Pollutants from Atmosphere to Cows' Milk. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9175-9181.	4.6	16
108	Enabling forecasts of environmental exposure to chemicals in European agriculture under global change. <i>Science of the Total Environment</i> , 2022, 840, 156478.	3.9	16

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109	Diurnal Fluctuations in Polybrominated Diphenyl Ether Concentrations During and After a Severe Dust Storm Episode in Kuwait City, Kuwait. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8114-8120.	4.6	15
110	Evaluating the Salting-Out Effect on the Organic Carbon/Water Partition Ratios ( $K_{OC}$ and $K_{DOC}$ ) of Linear and Cyclic Volatile Methylsiloxanes: Measurements and Polyparameter Linear Free Energy Relationships. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 3098-3108.	1.0	15
111	Screening-level models to estimate partition ratios of organic chemicals between polymeric materials, air and water. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 667-676.	1.7	15
112	Dependence of Persistence and Long-Range Transport Potential on Gas-Particle Partitioning in Multimedia Models. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3690-3696.	4.6	14
113	Intercontinental transport of persistent organic pollutants: a review of key findings and recommendations of the task force on hemispheric transport of air pollutants and directions for future research. <i>Atmospheric Pollution Research</i> , 2012, 3, 463-465.	1.8	14
114	Emissions of decamethylcyclotrasiloxane from Chicago. <i>Chemosphere</i> , 2014, 107, 473-475.	4.2	14
115	In Silico Screening-Level Prioritization of 8468 Chemicals Produced in OECD Countries to Identify Potential Planetary Boundary Threats. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 134-146.	1.3	14
116	A critical assessment of the environmental fate of linear and cyclic volatile methylsiloxanes using multimedia fugacity models. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 183-194.	1.7	14
117	Effects of input uncertainty and variability on the modelled environmental fate of organic pollutants under global climate change scenarios. <i>Chemosphere</i> , 2013, 93, 2086-2093.	4.2	13
118	Modeling aerosol suspension from soils and oceans as sources of micropollutants to air. <i>Chemosphere</i> , 2009, 77, 495-500.	4.2	12
119	Assessing the impact of weather events at mid-latitudes on the atmospheric transport of chemical pollutants using a 2-dimensional multimedia meteorological model. <i>Atmospheric Environment</i> , 2010, 44, 4489-4496.	1.9	12
120	Modeling the influence of climate change on the mass balance of polychlorinated biphenyls in the Adriatic Sea. <i>Chemosphere</i> , 2012, 87, 1045-1051.	4.2	12
121	Towards an improved understanding of processes controlling absorption efficiency and biomagnification of organic chemicals by fish. <i>Chemosphere</i> , 2015, 138, 89-95.	4.2	12
122	Predicting global scale exposure of humans to PCB 153 from historical emissions. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 747-756.	1.7	12
123	Analysis of time-lapse data from the Alba Field 4C/4D seismic survey. <i>Petroleum Geoscience</i> , 2003, 9, 103-111.	0.9	11
124	A benchmarking method to measure dietary absorption efficiency of chemicals by fish. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2695-2700.	2.2	11
125	Evaluation of the potential of benchmarking to facilitate the measurement of chemical persistence in lakes. <i>Chemosphere</i> , 2014, 95, 301-309.	4.2	11
126	Comment on "Unexpected Occurrence of Volatile Dimethylsiloxanes in Antarctic Soils, Vegetation, Phytoplankton, and Krill". <i>Environmental Science &amp; Technology</i> , 2015, 49, 7507-7509.	4.6	11



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127	On the influence of forests on the overall fate of semi-volatile organic contaminants. <i>Stochastic Environmental Research and Risk Assessment</i> , 2003, 17, 256-259.	1.9	10
128	Response to Comment on "Assessment of PDMS-Water Partition Coefficients: Implications for Passive Environmental Sampling of Hydrophobic Organic Compounds". <i>Environmental Science &amp; Technology</i> , 2010, 44, 8789-8789.	4.6	10
129	A Modeling Strategy for Planning the Virtual Elimination of Persistent Toxic Chemicals from the Great Lakes: An Illustration of Four Contaminants in Lake Ontario. <i>Journal of Great Lakes Research</i> , 1999, 25, 814-827.	0.8	9
130	Differences between Lipids Extracted from Five Species Are Not Sufficient To Explain Biomagnification of Nonpolar Organic Chemicals. <i>Environmental Science and Technology Letters</i> , 2015, 2, 193-197.	3.9	9
131	Comparison of eddy covariance and modified Bowen ratio methods for measuring gas fluxes and implications for measuring fluxes of persistent organic pollutants. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5315-5322.	1.9	9
132	Deriving in Vivo Bioconcentration Factors of a Mixture of Fragrance Ingredients Using a Single Dietary Exposure and Internal Benchmarking. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5227-5235.	4.6	9
133	Model Selection and Evaluation for Risk Assessment of Dioxin-contaminated Sites. <i>Ambio</i> , 2007, 36, 458-466.	2.8	8
134	Global multimedia source-receptor relationships for persistent organic pollutants during use and after phase-out. <i>Atmospheric Pollution Research</i> , 2012, 3, 392-398.	1.8	8
135	Performance of the CalTOX fate and exposure model in a case study for a dioxin-contaminated site. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8719-8727.	2.7	8
136	A passive dosing method to determine fugacity capacities and partitioning properties of leaves. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1325-1332.	1.7	8
137	Investigating the presence and persistence of volatile methylsiloxanes in Arctic sediments. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 908-917.	1.7	8
138	On the validity of classifying chemicals for persistence, bioaccumulation, toxicity, and potential for long-range transport. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1491-8.	2.2	8
139	Empirical Investigation of the Junge Variability~Lifetime Relationship Using Long-Term Monitoring Data on Polychlorinated Biphenyl Concentrations in Air. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2746-2752.	4.6	7
140	Mass transfer of hydrophobic organic chemicals between silicone sheets and through plant leaves and low-density polyethylene. <i>Chemosphere</i> , 2016, 164, 683-690.	4.2	7
141	Determination of fragrance ingredients in fish by ultrasound-assisted extraction followed by purge & trap. <i>Analytical Methods</i> , 2017, 9, 2237-2245.	1.3	7
142	Development of a novel scoring system for identifying emerging chemical risks in the food chain. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 340-353.	1.7	7
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