Matthew MacLeod

List of Publications by Year
in descending order

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163 papers	12,908 citations	31976 53 h-index	24982 109 g-index
168 all docs	168 docs citations	168 times ranked	10728 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. International Journal of Life Cycle Assessment, 2008, 13, 532-546.	4.7	1,180
2	Pathways for degradation of plastic polymers floating in the marine environment. Environmental Sciences: Processes and Impacts, 2015, 17, 1513-1521.	3.5	1,066
3	The global threat from plastic pollution. Science, 2021, 373, 61-65.	12.6	862
4	Estimation of cumulative aquatic exposure and risk due to silver: Contribution of nano-functionalized plastics and textiles. Science of the Total Environment, 2008, 390, 396-409.	8.0	843
5	Outside the Safe Operating Space of the Planetary Boundary for Novel Entities. Environmental Science & Technology, 2022, 56, 1510-1521.	10.0	477
6	Reducing Uncertainty and Confronting Ignorance about the Possible Impacts of Weathering Plastic in the Marine Environment. Environmental Science and Technology Letters, 2017, 4, 85-90.	8.7	372
7	Toxicity of leachate from weathering plastics: An exploratory screening study with Nitocra spinipes. Chemosphere, 2015, 132, 114-119.	8.2	291
8	Building a Model Based on Scientific Consensus for Life Cycle Impact Assessment of Chemicals: The Search for Harmony and Parsimony. Environmental Science & Technology, 2008, 42, 7032-7037.	10.0	270
9	Identification of Chain Scission Products Released to Water by Plastic Exposed to Ultraviolet Light. Environmental Science and Technology Letters, 2018, 5, 272-276.	8.7	223
10	Modeling Global-Scale Fate and Transport of Perfluorooctanoate Emitted from Direct Sources. Environmental Science & Technology, 2006, 40, 6969-6975.	10.0	217
11	Past, Present, and Future Controls on Levels of Persistent Organic Pollutants in the Global Environment. Environmental Science & Technology, 2010, 44, 6526-6531.	10.0	214
12	Comparative Assessment of the Global Fate and Transport Pathways of Long-Chain Perfluorocarboxylic Acids (PFCAs) and Perfluorocarboxylates (PFCs) Emitted from Direct Sources. Environmental Science & Technology, 2009, 43, 5830-5836.	10.0	206
13	Using COSMOtherm to predict physicochemical properties of poly- and perfluorinated alkyl substances (PFASs). Environmental Chemistry, 2011, 8, 389.	1.5	202
14	Intrinsic Human Elimination Half-Lives of Polychlorinated Biphenyls Derived from the Temporal Evolution of Cross-Sectional Biomonitoring Data from the United Kingdom. Environmental Health Perspectives, 2011, 119, 225-231.	6.0	200
15	Evaluating and expressing the propagation of uncertainty in chemical fate and bioaccumulation models. Environmental Toxicology and Chemistry, 2002, 21, 700-709.	4.3	199
16	Global Distribution of Linear and Cyclic Volatile Methyl Siloxanes in Air. Environmental Science & Technology, 2011, 45, 3349-3354.	10.0	191
17	Abundance and composition of near surface microplastics and plastic debris in the Stockholm Archipelago, Baltic Sea. Marine Pollution Bulletin, 2017, 120, 292-302.	5.0	181
18	Improving Data Quality for Environmental Fate Models:Â A Least-Squares Adjustment Procedure for Harmonizing Physicochemical Properties of Organic Compounds. Environmental Science & Technology, 2005, 39, 8434-8441.	10.0	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. Environmental Science & Technology, 2009, 43, 9274-9280.	10.0	158
20	Enhanced Elimination of Perfluorooctane Sulfonic Acid by Menstruating Women: Evidence from Population-Based Pharmacokinetic Modeling. Environmental Science & Technology, 2014, 48, 8807-8814.	10.0	153
21	Weathering Plastics as a Planetary Boundary Threat: Exposure, Fate, and Hazards. Environmental Science & Technology, 2021, 55, 7246-7255.	10.0	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. Environmental Science & Technology, 2009, 43, 1134-1140.	10.0	151
23	Fast Quantification of Chlorinated Paraffins in Environmental Samples by Direct Injection High-Resolution Mass Spectrometry with Pattern Deconvolution. Analytical Chemistry, 2015, 87, 2852-2860.	6.5	142
24	BETR North America: A regionally segmented multimedia contaminant fate model for North America. Environmental Science and Pollution Research, 2001, 8, 156-63.	5.3	138
25	Comparing Estimates of Persistence and Long-Range Transport Potential among Multimedia Models. Environmental Science & Technology, 2005, 39, 1932-1942.	10.0	138
26	Assessing the Influence of Climate Variability on Atmospheric Concentrations of Polychlorinated Biphenyls Using a Global-Scale Mass Balance Model (BETR-Global). Environmental Science & Technology, 2005, 39, 6749-6756.	10.0	137
27	The OECD software tool for screening chemicals for persistence and long-range transport potential. Environmental Modelling and Software, 2009, 24, 228-237.	4.5	134
28	Contribution of Volatile Precursor Substances to the Flux of Perfluorooctanoate to the Arctic. Environmental Science & Technology, 2008, 42, 3710-3716.	10.0	123
29	Modeling the Global Levels and Distribution of Polychlorinated Biphenyls in Air under a Climate Change Scenario. Environmental Science & Technology, 2009, 43, 5818-5824.	10.0	110
30	Photoreactions of Mercury in Surface Ocean Water: Gross Reaction Kinetics and Possible Pathways. Environmental Science & Technology, 2010, 44, 644-649.	10.0	106
31	Application of Multimedia Models for Screening Assessment of Long-Range Transport Potential and Overall Persistence. Environmental Science & Technology, 2006, 40, 53-60.	10.0	103
32	The State of Multimedia Mass-Balance Modeling in Environmental Science and Decision-Making. Environmental Science & Technology, 2010, 44, 8360-8364.	10.0	100
33	Modelling the fate of persistent organic pollutants in Europe: parameterisation of a gridded distribution model. Environmental Pollution, 2004, 128, 251-261.	7.5	92
34	Confronting Unknown Planetary Boundary Threats from Chemical Pollution. Environmental Science & Technology, 2013, 47, 12619-12622.	10.0	92
35	Effects of Leachates from UV-Weathered Microplastic in Cell-Based Bioassays. Environmental Science & Technology, 2019, 53, 9214-9223.	10.0	91
36	Alternative Approaches for Modeling Gasâ"Particle Partitioning of Semivolatile Organic Chemicals:Â Model Development and Comparison. Environmental Science & Technology, 2007, 41, 1272-1278.	10.0	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. Environmental Science & Technology, 2015, 49, 13322-13330.	10.0	84
38	BETR global â€“ A geographically-explicit global-scale multimedia contaminant fate model. Environmental Pollution, 2011, 159, 1442-1445.	7.5	82
39	Emissions, Fate and Transport of Persistent Organic Pollutants to the Arctic in a Changing Global Climate. Environmental Science & Technology, 2013, 47, 2323-2330.	10.0	78
40	BETR-World: a geographically explicit model of chemical fate: application to transport of Î±-HCH to the Arctic. Environmental Pollution, 2004, 128, 223-240.	7.5	75
41	The Origin and Significance of Short-Term Variability of Semivolatile Contaminants in Air. Environmental Science & Technology, 2007, 41, 3249-3253.	10.0	73
42	Pooled biological specimens for human biomonitoring of environmental chemicals: Opportunities and limitations. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 225-232.	3.9	73
43	Deconvolution of Soft Ionization Mass Spectra of Chlorinated Paraffins To Resolve Congener Groups. Analytical Chemistry, 2016, 88, 8980-8988.	6.5	68
44	Physical-Chemical Property Data for Dibenzo-p-dioxin (DD), Dibenzofuran (DF), and Chlorinated DD/Fs: A Critical Review and Recommended Values. Journal of Physical and Chemical Reference Data, 2008, 37, 1997-2008.	4.2	63
45	Measuring and Modeling Short-Term Variability of PCBs in Air and Characterization of Urban Source Strength in Zurich, Switzerland. Environmental Science & Technology, 2009, 43, 769-776.	10.0	63
46	Concentrations in Ambient Air and Emissions of Cyclic Volatile Methylsiloxanes in Zurich, Switzerland. Environmental Science & Technology, 2013, 47, 7045-7051.	10.0	63
47	Methods for trace analysis of short-, medium-, and long-chain chlorinated paraffins: Critical review and recommendations. Analytica Chimica Acta, 2019, 1074, 16-32.	5.4	63
48	A Multi-Individual Pharmacokinetic Model Framework for Interpreting Time Trends of Persistent Chemicals in Human Populations: Application to a Postban Situation. Environmental Health Perspectives, 2009, 117, 1280-1286.	6.0	62
49	Identifying Chemicals That Are Planetary Boundary Threats. Environmental Science & Technology, 2014, 48, 11057-11063.	10.0	62
50	On the validity of classifying chemicals for persistence, bioaccumulation, toxicity, and potential for longâ€range transport. Environmental Toxicology and Chemistry, 2001, 20, 1491-1498.	4.3	60
51	Toward the next generation of air quality monitoring: Persistent organic pollutants. Atmospheric Environment, 2013, 80, 591-598.	4.1	59
52	Quantifying Short-Chain Chlorinated Paraffin Congener Groups. Environmental Science & Technology, 2017, 51, 10633-10641.	10.0	59
53	Historical human exposure to perfluoroalkyl acids in the United States and Australia reconstructed from biomonitoring data using population-based pharmacokinetic modelling. Environment International, 2017, 108, 92-102.	10.0	59
54	Estimating Enthalpy of Vaporization from Vapor Pressure Using Trouton's Rule. Environmental Science & Technology, 2007, 41, 2827-2832.	10.0	54

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55	An assessment of the environmental fate and exposure of benzene and the chlorobenzenes in Canada. Chemosphere, 1999, 38, 1777-1796.	8.2	53
56	Historical intake and elimination of polychlorinated biphenyls and organochlorine pesticides by the Australian population reconstructed from biomonitoring data. Environment International, 2015, 74, 82-88.	10.0	50
57	Mass Balance for Mercury in the San Francisco Bay Area. Environmental Science & Technology, 2005, 39, 6721-6729.	10.0	49
58	Bioaccumulation of Organic Contaminants in Humans: A Multimedia Perspective and the Importance of Biotransformation. Environmental Science & Technology, 2011, 45, 197-202.	10.0	49
59	Silicone passive equilibrium samplers as â€˜chemometersâ€™ in eels and sediments of a Swedish lake. Environmental Sciences: Processes and Impacts, 2014, 16, 464-472.	3.5	49
60	Modeling transport and deposition of contaminants to ecosystems of concern: a case study for the Laurentian Great Lakes. Environmental Pollution, 2004, 128, 241-250.	7.5	48
61	Emissions of Polychlorinated Biphenyls, Polychlorinated Dibenzo-p-dioxins, and Polychlorinated Dibenzofurans during 2010 and 2011 in Zurich, Switzerland. Environmental Science & Technology, 2014, 48, 482-490.	10.0	48
62	Environmental fate and exposure models: advances and challenges in 21st century chemical risk assessment. Environmental Sciences: Processes and Impacts, 2018, 20, 58-71.	3.5	48
63	Polychlorinated biphenyls (PCBs) as sentinels for the elucidation of Arctic environmental change processes: a comprehensive review combined with ArcRisk project results. Environmental Science and Pollution Research, 2018, 25, 22499-22528.	5.3	47
64	Multimedia Environmental Models. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2002, 6, 63-69.	0.4	46
65	Development of continental scale multimedia contaminant fate models: Integrating GIS. Environmental Science and Pollution Research, 2001, 8, 164-72.	5.3	45
66	Using Chemical Benchmarking to Determine the Persistence of Chemicals in a Swedish Lake. Environmental Science & Technology, 2015, 49, 1646-1653.	10.0	42
67	TRACKINGMULTIPLEPATHWAYS OFHUMANEXPOSURE TOPERSISTENTMULTIMEDIAPOLLUTANTS: Regional, Continental, and Global-Scale Models. Annual Review of Environment and Resources, 2003, 28, 463-492.	13.4	41
68	Modeling Exposure to Persistent Chemicals in Hazard and Risk Assessment. Integrated Environmental Assessment and Management, 2009, 5, 662.	2.9	40
69	Statistical Analysis of Long-Term Monitoring Data for Persistent Organic Pollutants in the Atmosphere at 20 Monitoring Stations Broadly Indicates Declining Concentrations. Environmental Science & Technology, 2014, 48, 12492-12499.	10.0	40
70	Equilibrium Sampling to Determine the Thermodynamic Potential for Bioaccumulation of Persistent Organic Pollutants from Sediment. Environmental Science & Technology, 2014, 48, 11352-11359.	10.0	40
71	Remoteness from Emission Sources Explains the Fractionation Pattern of Polychlorinated Biphenyls in the Northern Hemisphere. Environmental Science & Technology, 2010, 44, 6183-6188.	10.0	37
72	Applications of Contaminant Fate and Bioaccumulation Models in Assessing Ecological Risks of Chemicals:Â A Case Study for Gasoline Hydrocarbons. Environmental Science & Technology, 2004, 38, 6225-6233.	10.0	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.	2.9	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.	6.0	35
75	Comparative Assessment of the Global Fate of Î±- and Î²-Hexachlorocyclohexane before and after Phase-Out. Environmental Science & Technology, 2012, 46, 2047-2054.	10.0	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.	7.5	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.	8.2	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.	4.3	32
79	A dynamic mass budget for toxaphene in North America. Environmental Toxicology and Chemistry, 2002, 21, 1628-1637.	4.3	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.	10.0	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.	7.5	29
82	No measurable â€œcleaningâ€•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.	3.5	29
83	Quantifying Remoteness from Emission Sources of Persistent Organic Pollutants on a Global Scale. Environmental Science & Technology, 2010, 44, 2791-2796.	10.0	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.	10.0	27
85	Remoteness from sources of persistent organic pollutants in the multi-media global environment. Environmental Pollution, 2016, 217, 33-41.	7.5	27
86	Overview: Integrative and Comprehensive Understanding on Polar Environments (iCUPE) â€“ concept and initial results. Atmospheric Chemistry and Physics, 2020, 20, 8551-8592.	4.9	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.	7.5	25
88	Dependence of Intake Fraction on Release Location in a Multimedia Framework.. Journal of Industrial Ecology, 2004, 8, 89-102.	5.5	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.	10.0	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.	10.0	25

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91	Emissions of polybrominated diphenyl ethers (PBDEs) in Zurich, Switzerland, determined by a combination of measurements and modeling. Chemosphere, 2014, 116, 15-23.	8.2	25
92	Measurement and Modeling of Diel Variability of Polybrominated Diphenyl Ethers and Chlordanes in Air. Environmental Science & Technology, 2008, 42, 3219-3225.	10.0	24
93	Junge relationships in measurement data for cyclic siloxanes in air. Chemosphere, 2013, 93, 830-834.	8.2	24
94	Synthetic Application of Monoprotected Hydrazines toward the Synthesis of 1-Aminopyrroles. Journal of Organic Chemistry, 1996, 61, 1180-1183.	3.2	23
95	Rate Constants and Activation Energies for Gasâ€Phase Reactions of Three Cyclic Volatile Methyl Siloxanes with the Hydroxyl Radical. International Journal of Chemical Kinetics, 2015, 47, 420-428.	1.6	23
96	Variability in Toxicity of Plastic Leachates as a Function of Weathering and Polymer Type: A Screening Study with the Copepod Nitocra spinipes. Biological Bulletin, 2021, 240, 191-199.	1.8	23
97	The Full Multi: An open-source framework for modelling the transport and fate of nano- and microplastics in aquatic systems. Environmental Modelling and Software, 2022, 148, 105291.	4.5	23
98	Screening-level exposure-based prioritization to identify potential POPs, vPvBs and planetary boundary threats among Arctic contaminants. Emerging Contaminants, 2017, 3, 85-94.	4.9	22
99	Temperature Dependence of the Organic Carbon/Water Partition Ratios (K_{OC}) of Volatile Methylsiloxanes. Environmental Science and Technology Letters, 2017, 4, 240-245.	8.7	21
100	MULTIMEDIA PERSISTENCE AS AN INDICATOR OF POTENTIAL FOR POPULATION-LEVEL INTAKE OF ENVIRONMENTAL CONTAMINANTS. Environmental Toxicology and Chemistry, 2004, 23, 2465.	4.3	20
101	Modelling the influence of climate change on the chemical concentrations in the Baltic Sea region with the POPCYCLING-Baltic model. Chemosphere, 2014, 110, 31-40.	8.2	19
102	Regional differences in gasâ€“particle partitioning and deposition of semivolatile organic compounds on a global scale. Atmospheric Environment, 2008, 42, 554-567.	4.1	18
103	Quantifying uncertainties in the global mass balance of mercury. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	18
104	Mercury cycling and species mass balances in four North American lakes. Environmental Pollution, 2009, 157, 452-462.	7.5	17
105	Evaluating and expressing the propagation of uncertainty in chemical fate and bioaccumulation models. Environmental Toxicology and Chemistry, 2002, 21, 700-9.	4.3	17
106	Exposure assessment at a PCDD/F contaminated site in Swedenâ€”field measurements of exposure media and blood serum analysis. Environmental Science and Pollution Research, 2010, 17, 26-39.	5.3	16
107	Mountain Cold-Trapping Increases Transfer of Persistent Organic Pollutants from Atmosphere to Cowsâ€™ Milk. Environmental Science & Technology, 2013, 47, 9175-9181.	10.0	16
108	Enabling forecasts of environmental exposure to chemicals in European agriculture under global change. Science of the Total Environment, 2022, 840, 156478.	8.0	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. Environmental Science & Technology, 2010, 44, 8114-8120.	10.0	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. Journal of Chemical & Engineering Data, 2016, 61, 3098-3108.	1.9	15
111	Screening-level models to estimate partition ratios of organic chemicals between polymeric materials, air and water. Environmental Sciences: Processes and Impacts, 2016, 18, 667-676.	3.5	15
112	Dependence of Persistence and Long-Range Transport Potential on Gas-Particle Partitioning in Multimedia Models. Environmental Science & Technology, 2008, 42, 3690-3696.	10.0	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. Atmospheric Pollution Research, 2012, 3, 463-465.	3.8	14
114	Emissions of decamethylcyclopentasiloxane from Chicago. Chemosphere, 2014, 107, 473-475.	8.2	14
115	In Silico Screening-Level Prioritization of 8468 Chemicals Produced in OECD Countries to Identify Potential Planetary Boundary Threats. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 134-146.	2.7	14
116	A critical assessment of the environmental fate of linear and cyclic volatile methylsiloxanes using multimedia fugacity models. Environmental Sciences: Processes and Impacts, 2018, 20, 183-194.	3.5	14
117	Effects of input uncertainty and variability on the modelled environmental fate of organic pollutants under global climate change scenarios. Chemosphere, 2013, 93, 2086-2093.	8.2	13
118	Modeling aerosol suspension from soils and oceans as sources of micropollutants to air. Chemosphere, 2009, 77, 495-500.	8.2	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. Atmospheric Environment, 2010, 44, 4489-4496.	4.1	12
120	Modeling the influence of climate change on the mass balance of polychlorinated biphenyls in the Adriatic Sea. Chemosphere, 2012, 87, 1045-1051.	8.2	12
121	Towards an improved understanding of processes controlling absorption efficiency and biomagnification of organic chemicals by fish. Chemosphere, 2015, 138, 89-95.	8.2	12
122	Predicting global scale exposure of humans to PCB 153 from historical emissions. Environmental Sciences: Processes and Impacts, 2018, 20, 747-756.	3.5	12
123	Analysis of time-lapse data from the Alba Field 4C/4D seismic survey. Petroleum Geoscience, 2003, 9, 103-111.	1.5	11
124	A benchmarking method to measure dietary absorption efficiency of chemicals by fish. Environmental Toxicology and Chemistry, 2013, 32, 2695-2700.	4.3	11
125	Evaluation of the potential of benchmarking to facilitate the measurement of chemical persistence in lakes. Chemosphere, 2014, 95, 301-309.	8.2	11
126	Comment on â€œUnexpected Occurrence of Volatile Dimethylsiloxanes in Antarctic Soils, Vegetation, Phytoplankton, and Krillâ€• Environmental Science & Technology, 2015, 49, 7507-7509.	10.0	11

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127	On the influence of forests on the overall fate of semi-volatile organic contaminants. Stochastic Environmental Research and Risk Assessment, 2003, 17, 256-259.	4.0	10
128	Response to Comment on â€œAssessment of PDMS-Water Partition Coefficients: Implications for Passive Environmental Sampling of Hydrophobic Organic Compoundsâ€• Environmental Science & Technology, 2010, 44, 8789-8789.	10.0	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. Journal of Great Lakes Research, 1999, 25, 814-827.	1.9	9
130	Differences between Lipids Extracted from Five Species Are Not Sufficient To Explain Biomagnification of Nonpolar Organic Chemicals. Environmental Science and Technology Letters, 2015, 2, 193-197.	8.7	9
131	Comparison of eddy covariance and modified Bowen ratio methods for measuring gas fluxes and implications for measuring fluxes of persistent organic pollutants. Atmospheric Chemistry and Physics, 2016, 16, 5315-5322.	4.9	9
132	Deriving in Vivo Bioconcentration Factors of a Mixture of Fragrance Ingredients Using a Single Dietary Exposure and Internal Benchmarking. Environmental Science & Technology, 2018, 52, 5227-5235.	10.0	9
133	Model Selection and Evaluation for Risk Assessment of Dioxin-contaminated Sites. Ambio, 2007, 36, 458-466.	5.5	8
134	Global multimedia source-receptor relationships for persistent organic pollutants during use and after phase-out. Atmospheric Pollution Research, 2012, 3, 392-398.	3.8	8
135	Performance of the CalTOX fate and exposure model in a case study for a dioxin-contaminated site. Environmental Science and Pollution Research, 2015, 22, 8719-8727.	5.3	8
136	A passive dosing method to determine fugacity capacities and partitioning properties of leaves. Environmental Sciences: Processes and Impacts, 2016, 18, 1325-1332.	3.5	8
137	Investigating the presence and persistence of volatile methylsiloxanes in Arctic sediments. Environmental Sciences: Processes and Impacts, 2020, 22, 908-917.	3.5	8
138	On the validity of classifying chemicals for persistence, bioaccumulation, toxicity, and potential for long-range transport. Environmental Toxicology and Chemistry, 2001, 20, 1491-8.	4.3	8
139	Empirical Investigation of the Junge Variabilityâ^'Lifetime Relationship Using Long-Term Monitoring Data on Polychlorinated Biphenyl Concentrations in Air. Environmental Science & Technology, 2009, 43, 2746-2752.	10.0	7
140	Mass transfer of hydrophobic organic chemicals between silicone sheets and through plant leaves and low-density polyethylene. Chemosphere, 2016, 164, 683-690.	8.2	7
141	Determination of fragrance ingredients in fish by ultrasound-assisted extraction followed by purge & trap. Analytical Methods, 2017, 9, 2237-2245.	2.7	7
142	Development of a novel scoring system for identifying emerging chemical risks in the food chain. Environmental Sciences: Processes and Impacts, 2018, 20, 340-353.	3.5	7
143	Response to Comment on â€œEnhanced Elimination of Perfluorooctane Sulfonic Acid by Menstruating Women: Evidence from Population-based Pharmacokinetic Modelingâ€• Environmental Science & Technology, 2015, 49, 5838-5839.	10.0	6
144	Modeling in environmental chemistry. Environmental Sciences: Processes and Impacts, 2018, 20, 10-11.	3.5	6

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145	Potential emerging chemical risks in the food chain associated with substances registered under REACH. Environmental Sciences: Processes and Impacts, 2020, 22, 105-120.	3.5	6
146	Steady-State Mass Balance Model for Predicting Particleâ€“Gas Concentration Ratios of PBDEs. Environmental Science & Technology, 2021, 55, 9425-9433.	10.0	6
147	Response to Comment on â€œComparative Assessment of the Global Fate and Transport Pathways of Long-Chain Perfluorocarboxylic Acids (PFCAs) and Perfluorocarboxylates (PFCs) Emitted from Direct Sourcesâ€• Environmental Science & Technology, 2009, 43, 7153-7154.	10.0	5
148	EVALUATING AND EXPRESSING THE PROPAGATION OF UNCERTAINTY IN CHEMICAL FATE AND BIOACCUMULATION MODELS. Environmental Toxicology and Chemistry, 2002, 21, 700.	4.3	5
149	On cross-conditional and fluctuation correlations in competitive RNA networks. Bioinformatics, 2016, 32, i790-i797.	4.1	4
150	Sorptive Capacities of Nonpolymeric Plant Lipids for Hydrophobic Chemicals Determined by Passive Dosing. Environmental Science & Technology, 2019, 53, 1278-1286.	10.0	4
151	Bioconcentration of cedarwood oil constituents in rainbow trout. Environmental Sciences: Processes and Impacts, 2021, 23, 689-698.	3.5	4
152	Combining Headspace Solid-Phase Microextraction with Internal Benchmarking to Determine the Elimination Kinetics of Hydrophobic UVCBs. Environmental Science & Technology, 2021, 55, 11125-11132.	10.0	4
153	Prospects for finding Junge variability-lifetime relationships for micropollutants in the Danube river. Environmental Sciences: Processes and Impacts, 2019, 21, 1489-1497.	3.5	3
154	A DYNAMIC MASS BUDGET FOR TOXAPHENE IN NORTH AMERICA. Environmental Toxicology and Chemistry, 2002, 21, 1628.	4.3	3
155	ECORISK2050: An Innovative Training Network for predictingÂthe effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems. Open Research Europe, 0, 1, 154.	2.0	3
156	Response to Comment on â€œOutside the Safe Operating Space of the Planetary Boundary for Novel Entitiesâ€• Environmental Science & Technology, 2022, 56, 6788-6789.	10.0	3
157	Diurnal Variability of Persistent Organic Pollutants in the Atmosphere over the Remote Southern Atlantic Ocean. Atmosphere, 2014, 5, 622-634.	2.3	1
158	Editorial : Special Issue: Science in Support of International Treaties on POPs. Atmospheric Pollution Research, 2012, 3, 362.	3.8	0
159	Deposition from the Atmosphere to Water and Soils with Aerosol Particles and Precipitation. , 2010, , 103-135.		0
160	Mixing in the Atmosphere and Surface Waters with Application to Compartmental Box Models. , 2010, , 565-588.		0
161	Integration of production and use information into an exposure-based screening approach to rank chemicals of emerging Arctic concern for potential to be planetary boundary threats. Emerging Contaminants, 2021, 7, 213-218.	4.9	0
162	ECORISK2050: An Innovative Training Network for predictingÂthe effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems. Open Research Europe, 0, 1, 154.	2.0	0

#	Article	IF	Citations
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