

Knut Breivik

List of Publications by Year in descending order

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61945

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times ranked

7279
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a global historical emission inventory for selected PCB congeners – a mass balance approach1. Global production and consumption. <i>Science of the Total Environment</i> , 2002, 290, 181-198.	3.9	647
2	Global Distribution and Budget of PCBs and HCB in Background Surface Soils: Implications for Sources and Environmental Processes. <i>Environmental Science & Technology</i> , 2003, 37, 667-672.	4.6	541
3	Introduction to the European Monitoring and Evaluation Programme (EMEP) and observed atmospheric composition change during 1972–2009. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5447-5481.	1.9	527
4	Global fate of POPs: Current and future research directions. <i>Environmental Pollution</i> , 2007, 150, 150-165.	3.7	480
5	Towards a global historical emission inventory for selected PCB congeners – a mass balance approach2. Emissions. <i>Science of the Total Environment</i> , 2002, 290, 199-224.	3.9	458
6	Towards a global historical emission inventory for selected PCB congeners – A mass balance approach. <i>Science of the Total Environment</i> , 2007, 377, 296-307.	3.9	420
7	Atmospheric monitoring of organic pollutants in the Arctic under the Arctic Monitoring and Assessment Programme (AMAP): 1993–2006. <i>Science of the Total Environment</i> , 2010, 408, 2854-2873.	3.9	294
8	Primary sources of selected POPs: regional and global scale emission inventories. <i>Environmental Pollution</i> , 2004, 128, 3-16.	3.7	284
9	PBDEs in European Background Soils: Levels and Factors Controlling Their Distribution. <i>Environmental Science & Technology</i> , 2004, 38, 738-745.	4.6	251
10	Global Historical Stocks and Emissions of PBDEs. <i>Environmental Science & Technology</i> , 2019, 53, 6330-6340.	4.6	209
11	Tracking the Global Generation and Exports of e-Waste. Do Existing Estimates Add up?. <i>Environmental Science & Technology</i> , 2014, 48, 8735-8743.	4.6	201
12	Temporal trends of Persistent Organic Pollutants (POPs) in arctic air: 20 years of monitoring under the Arctic Monitoring and Assessment Programme (AMAP). <i>Environmental Pollution</i> , 2016, 217, 52-61.	3.7	198
13	Use of $\hat{1}$ -, $\hat{2}$ - and $\hat{3}$ -hexachlorocyclohexane in Europe, 1970–1996. <i>Science of the Total Environment</i> , 1999, 239, 151-163.	3.9	168
14	Relationships between organic matter, black carbon and persistent organic pollutants in European background soils: Implications for sources and environmental fate. <i>Environmental Pollution</i> , 2008, 156, 809-817.	3.7	165
15	Model-based evaluation of the use of polycyclic aromatic hydrocarbons molecular diagnostic ratios as a source identification tool. <i>Environmental Pollution</i> , 2014, 184, 488-494.	3.7	156
16	The global re-cycling of persistent organic pollutants is strongly retarded by soils. <i>Environmental Pollution</i> , 2003, 121, 75-80.	3.7	154
17	European atmospheric emissions of selected persistent organic pollutants, 1970–1995. <i>Atmospheric Environment</i> , 2003, 37, 119-131.	1.9	123
18	Tracking the Global Distribution of Persistent Organic Pollutants Accounting for E-Waste Exports to Developing Regions. <i>Environmental Science & Technology</i> , 2016, 50, 798-805.	4.6	121

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19	Spatial variability of POPs in European background air. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1549-1564.	1.9	118
20	Occurrence and Seasonality of Cyclic Volatile Methyl Siloxanes in Arctic Air. <i>Environmental Science & Technology</i> , 2013, 47, 502-509.	4.6	109
21	Emerging issue of e-waste in Pakistan: A review of status, research needs and data gaps. <i>Environmental Pollution</i> , 2015, 207, 308-318.	3.7	104
22	Are Reductions in Industrial Organic Contaminants Emissions in Rich Countries Achieved Partly by Export of Toxic Wastes?. <i>Environmental Science & Technology</i> , 2011, 45, 9154-9160.	4.6	95
23	Evidence for Major Emissions of PCBs in the West African Region. <i>Environmental Science & Technology</i> , 2011, 45, 1349-1355.	4.6	90
24	Prioritizing Chemicals and Data Requirements for Screening-Level Exposure and Risk Assessment. <i>Environmental Health Perspectives</i> , 2012, 120, 1565-1570.	2.8	87
25	Empirical and Modeling Evidence of the Long-Range Atmospheric Transport of Decabromodiphenyl Ether. <i>Environmental Science & Technology</i> , 2006, 40, 4612-4618.	4.6	84
26	CoZMo-POP 2 – A fugacity-based dynamic multi-compartmental mass balance model of the fate of persistent organic pollutants. <i>Environmental Modelling and Software</i> , 2006, 21, 868-884.	1.9	84
27	Has the Burden and Distribution of PCBs and PBDEs Changed in European Background Soils between 1998 and 2008? Implications for Sources and Processes. <i>Environmental Science & Technology</i> , 2011, 45, 7291-7297.	4.6	78
28	Long-term monitoring of persistent organic pollutants (POPs) at the Norwegian Troll station in Dronning Maud Land, Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6983-6992.	1.9	78
29	Trends in European Background Air Reflect Reductions in Primary Emissions of PCBs and PBDEs. <i>Environmental Science & Technology</i> , 2010, 44, 6760-6766.	4.6	73
30	Persistent Organic Pollutants in Norwegian Men from 1979 to 2007: Intraindividual Changes, Age-Period-Cohort Effects, and Model Predictions. <i>Environmental Health Perspectives</i> , 2013, 121, 1292-1298.	2.8	70
31	E-Waste Driven Pollution in Pakistan: The First Evidence of Environmental and Human Exposure to Flame Retardants (FRs) in Karachi City. <i>Environmental Science & Technology</i> , 2017, 51, 13895-13905.	4.6	67
32	Soil pollution at a major West African E-waste recycling site: Contamination pathways and implications for potential mitigation strategies. <i>Environment International</i> , 2020, 137, 105563.	4.8	67
33	Elevated levels of polybrominated diphenyl ethers (PBDEs) in fish from Lake Mjøsa, Norway. <i>Science of the Total Environment</i> , 2008, 390, 132-141.	3.9	64
34	Atmospheric polychlorinated biphenyls in Indian cities: Levels, emission sources and toxicity equivalents. <i>Environmental Pollution</i> , 2013, 182, 283-290.	3.7	61
35	Investigating Intergenerational Differences in Human PCB Exposure due to Variable Emissions and Reproductive Behaviors. <i>Environmental Health Perspectives</i> , 2011, 119, 641-646.	2.8	59
36	Soil concentrations, occurrence, sources and estimation of air-soil exchange of polychlorinated biphenyls in Indian cities. <i>Science of the Total Environment</i> , 2016, 562, 928-934.	3.9	58

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37	Atmospheric emissions of some POPs in Europe: a discussion of existing inventories and data needs. <i>Environmental Science and Policy</i> , 2006, 9, 663-674.	2.4	55
38	High Concentrations of Organic Contaminants in Air from Ship Breaking Activities in Chittagong, Bangladesh. <i>Environmental Science & Technology</i> , 2015, 49, 11372-11380.	4.6	54
39	Time trends of persistent organic pollutants (POPs) and Chemicals of Emerging Arctic Concern (CEAC) in Arctic air from 25 years of monitoring. <i>Science of the Total Environment</i> , 2021, 775, 145109.	3.9	54
40	Towards an understanding of the link between environmental emissions and human body burdens of PCBs using CoZMoMAN. <i>Environment International</i> , 2010, 36, 85-91.	4.8	51
41	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
42	Evaluating a Model of the Historical Behavior of Two Hexachlorocyclohexanes in the Baltic Sea Environment. <i>Environmental Science & Technology</i> , 2002, 36, 1014-1023.	4.6	45
43	Endosulfan, pentachlorobenzene and short-chain chlorinated paraffins in background soils from Western Europe. <i>Environmental Pollution</i> , 2015, 196, 21-28.	3.7	44
44	Calibration and Application of a Passive Air Sampler (XAD-PAS) for Volatile Methyl Siloxanes. <i>Environmental Science & Technology</i> , 2013, 47, 4463-4470.	4.6	42
45	Long-Term Temporal Trends of Polychlorinated Biphenyls and Their Controlling Sources in China. <i>Environmental Science & Technology</i> , 2017, 51, 2838-2845.	4.6	42
46	Spatial patterns of polybrominated diphenyl ethers (PBDEs) in mosses, herbivores and a carnivore from the Norwegian terrestrial biota. <i>Science of the Total Environment</i> , 2008, 404, 162-170.	3.9	38
47	Expanding the Applicability of Multimedia Fate Models to Polar Organic Chemicals. <i>Environmental Science & Technology</i> , 2003, 37, 4934-4943.	4.6	36
48	Illustrating Sensitivity and Uncertainty in Environmental Fate Models Using Partitioning Maps. <i>Environmental Science & Technology</i> , 2005, 39, 3186-3196.	4.6	35
49	Quantification of sources of PCBs to the atmosphere in urban areas: A comparison of cities in North America, Western Europe and former Yugoslavia. <i>Environmental Pollution</i> , 2010, 158, 3230-3235.	3.7	33
50	Screening for PFOS and PFOA in European air using passive samplers. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1100.	2.1	33
51	Possible emissions of POPs in plain and hilly areas of Nepal: Implications for source apportionment and health risk assessment. <i>Environmental Pollution</i> , 2017, 220, 1289-1300.	3.7	33
52	Understanding of Cyclic Volatile Methyl Siloxane Fate in a High Latitude Lake Is Constrained by Uncertainty in Organic Carbon-Water Partitioning. <i>Environmental Science & Technology</i> , 2017, 51, 401-409.	4.6	30
53	Mass Budgets, Pathways, and Equilibrium States of Two Hexachlorocyclohexanes in the Baltic Sea Environment. <i>Environmental Science & Technology</i> , 2002, 36, 1024-1032.	4.6	29
54	Using Model-Based Screening to Help Discover Unknown Environmental Contaminants. <i>Environmental Science & Technology</i> , 2014, 48, 7264-7271.	4.6	29

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55	Dynamic modelling of aquatic exposure and pelagic food chain transfer of cyclic volatile methyl siloxanes in the Inner Oslofjord. <i>Chemosphere</i> , 2013, 93, 794-804.	4.2	28
56	Identifying the Research and Infrastructure Needs for the Global Assessment of Hazardous Chemicals Ten Years after Establishing the Stockholm Convention. <i>Environmental Science & Technology</i> , 2011, 45, 7617-7619.	4.6	25
57	Screening organic chemicals in commerce for emissions in the context of environmental and human exposure. <i>Journal of Environmental Monitoring</i> , 2012, 14, 2028.	2.1	25
58	Combining plasma measurements and mechanistic modeling to explore the effect of POPs on type 2 diabetes mellitus in Norwegian women. <i>Environmental Research</i> , 2015, 142, 365-373.	3.7	24
59	The mass flow and proposed management of bisphenol A in selected Norwegian waste streams. <i>Waste Management</i> , 2017, 60, 775-785.	3.7	23
60	A methodology for evaluating the influence of diets and intergenerational dietary transitions on historic and future human exposure to persistent organic pollutants in the Arctic. <i>Environment International</i> , 2012, 49, 83-91.	4.8	20
61	Evaluating the environmental fate of short-chain chlorinated paraffins (SCCPs) in the Nordic environment using a dynamic multimedia model. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 2240.	1.7	20
62	Time trends of persistent organic pollutants in 30 year olds sampled in 1986, 1994, 2001 and 2007 in Northern Norway: Measurements, mechanistic modeling and a comparison of study designs. <i>Environmental Research</i> , 2019, 172, 684-692.	3.7	19
63	Non-target and suspect characterisation of organic contaminants in Arctic air – Part 2: Application of a new tool for identification and prioritisation of chemicals of emerging Arctic concern in air. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9031-9049.	1.9	19
64	Assessment of sorbent impregnated PUF disks (SIPs) for long-term sampling of legacy POPs. <i>Journal of Environmental Monitoring</i> , 2012, 14, 71-78.	2.1	17
65	Evaluating the environmental fate of pharmaceuticals using a level III model based on poly-parameter linear free energy relationships. <i>Science of the Total Environment</i> , 2006, 359, 177-187.	3.9	16
66	The impacts of emission trends of POPs on human concentration dynamics: Lessons learned from a longitudinal study in Norway (1979–2007). <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 776-781.	2.1	16
67	Modeling the Time-Variant Dietary Exposure of PCBs in China over the Period 1930 to 2100. <i>Environmental Science & Technology</i> , 2018, 52, 7371-7379.	4.6	16
68	Legacy and emerging flame retardants (FRs) in the urban atmosphere of Pakistan: Diurnal variations, gas-particle partitioning and human health exposure. <i>Science of the Total Environment</i> , 2020, 743, 140874.	3.9	16
69	The presence, emission and partitioning behavior of polychlorinated biphenyls in waste, leachate and aerosols from Norwegian waste-handling facilities. <i>Science of the Total Environment</i> , 2020, 715, 136824.	3.9	16
70	Using passive air samplers to assess local sources versus long range atmospheric transport of POPs. <i>Journal of Environmental Monitoring</i> , 2012, 14, 2580.	2.1	15
71	Elucidating the Behavior of Cyclic Volatile Methylsiloxanes in a Subarctic Freshwater Food Web: A Modeled and Measured Approach. <i>Environmental Science & Technology</i> , 2017, 51, 12489-12497.	4.6	14
72	Import, use, and emissions of PCBs in Switzerland from 1930 to 2100. <i>PLoS ONE</i> , 2017, 12, e0183768.	1.1	13

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73	MODELING THE FATE OF POLYCHLORINATED BIPHENYLS IN THE INNER OSLOFJORD, NORWAY. Environmental Toxicology and Chemistry, 2004, 23, 2386.	2.2	12
74	Estimating Time-Varying PCB Exposures Using Person-Specific Predictions to Supplement Measured Values: A Comparison of Observed and Predicted Values in Two Cohorts of Norwegian Women. Environmental Health Perspectives, 2016, 124, 299-305.	2.8	12
75	Low concentrations of persistent organic pollutants (POPs) in air at Cape Verde. Science of the Total Environment, 2018, 612, 129-137.	3.9	12
76	Emission impossible?. Environment International, 2002, 28, 137-138.	4.8	11
77	Ecological unequal exchange: quantifying emissions of toxic chemicals embodied in the global trade of chemicals, products, and waste. Environmental Research Letters, 2022, 17, 044054.	2.2	11
78	Spatial trends of chlorinated paraffins and dechloranes in air and soil in a tropical urban, suburban, and rural environment. Environmental Pollution, 2022, 292, 118298.	3.7	10
79	Characterization of inhalation exposure to gaseous elemental mercury during artisanal gold mining and e-waste recycling through combined stationary and personal passive sampling. Environmental Sciences: Processes and Impacts, 2021, 23, 569-579.	1.7	7
80	Forecasting long-range atmospheric transport episodes of polychlorinated biphenyls using FLEXPART. Atmospheric Environment, 2013, 71, 335-339.	1.9	6
81	Increasing Trends of Legacy and Emerging Organic Contaminants in a Dated Sediment Core From East-Africa. Frontiers in Environmental Science, 2022, 9, .	1.5	6
82	Mercury in air and soil on an urban-rural transect in East Africa. Environmental Sciences: Processes and Impacts, 2022, , .	1.7	6
83	Main sources controlling atmospheric burdens of persistent organic pollutants on a national scale. Ecotoxicology and Environmental Safety, 2021, 217, 112172.	2.9	5
84	Introducing a nested multimedia fate and transport model for organic contaminants (NEM). Environmental Sciences: Processes and Impacts, 2021, 23, 1146-1157.	1.7	4