

Knut Breivik

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82
papers

6,702
citations

40
h-index

81
g-index

86
ext. papers

7,330
ext. citations

8.8
avg, IF

5.78
L-index

#	Paper	IF	Citations
82	Towards a global historical emission inventory for selected PCB congeners--a mass balance approach. 1. Global production and consumption. <i>Science of the Total Environment</i> , 2002 , 290, 181-98	10.2	573
81	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, 667-72	10.3	493
80	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	6.8	440
79	Global fate of POPs: current and future research directions. <i>Environmental Pollution</i> , 2007 , 150, 150-65	9.3	399
78	Towards a global historical emission inventory for selected PCB congeners--a mass balance approach. 2. Emissions. <i>Science of the Total Environment</i> , 2002 , 290, 199-224	10.2	368
77	Towards a global historical emission inventory for selected PCB congeners--a mass balance approach 3. An update. <i>Science of the Total Environment</i> , 2007 , 377, 296-307	10.2	367
76	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, 2854-73	10.2	260
75	Primary sources of selected POPs: regional and global scale emission inventories. <i>Environmental Pollution</i> , 2004 , 128, 3-16	9.3	254
74	PBDEs in European background soils: levels and factors controlling their distribution. <i>Environmental Science & Technology</i> , 2004 , 38, 738-45	10.3	234
73	Tracking the global generation and exports of e-waste. Do existing estimates add up?. <i>Environmental Science & Technology</i> , 2014 , 48, 8735-43	10.3	174
72	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	9.3	155
71	Use of alpha-, beta- and gamma-hexachlorocyclohexane in Europe, 1970-1996. <i>Science of the Total Environment</i> , 1999 , 239, 151-63	10.2	154
70	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, 809-17	9.3	141
69	The global re-cycling of persistent organic pollutants is strongly retarded by soils. <i>Environmental Pollution</i> , 2003 , 121, 75-80	9.3	140
68	Model-based evaluation of the use of polycyclic aromatic hydrocarbons molecular diagnostic ratios as a source identification tool. <i>Environmental Pollution</i> , 2014 , 184, 488-94	9.3	128
67	European atmospheric emissions of selected persistent organic pollutants, 1970-1995. <i>Atmospheric Environment</i> , 2003 , 37, 119-131	5.3	110
66	Spatial variability of POPs in European background air. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1549-1564	6.8	104

65	Global Historical Stocks and Emissions of PBDEs. <i>Environmental Science & Technology</i> , 2019 , 53, 6330-6340	10.3	98
64	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	10.3	96
63	Occurrence and seasonality of cyclic volatile methyl siloxanes in Arctic air. <i>Environmental Science & Technology</i> , 2013 , 47, 502-9	10.3	91
62	Evidence for major emissions of PCBs in the west African region. <i>Environmental Science & Technology</i> , 2011 , 45, 1349-55	10.3	86
61	Are reductions in industrial organic contaminants emissions in rich countries achieved partly by export of toxic wastes?. <i>Environmental Science & Technology</i> , 2011 , 45, 9154-60	10.3	82
60	Empirical and modeling evidence of the long-range atmospheric transport of decabromodiphenyl ether. <i>Environmental Science & Technology</i> , 2006 , 40, 4612-8	10.3	77
59	Emerging issue of e-waste in Pakistan: A review of status, research needs and data gaps. <i>Environmental Pollution</i> , 2015 , 207, 308-18	9.3	76
58	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, 7291-7	10.3	74
57	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	5.2	72
56	Trends in European background air reflect reductions in primary emissions of PCBs and PBDEs. <i>Environmental Science & Technology</i> , 2010 , 44, 6760-6	10.3	66
55	Prioritizing chemicals and data requirements for screening-level exposure and risk assessment. <i>Environmental Health Perspectives</i> , 2012 , 120, 1565-70	8.4	63
54	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, 1292-8	8.4	62
53	Elevated levels of polybrominated diphenyl ethers (PBDEs) in fish from Lake Mjøsa, Norway. <i>Science of the Total Environment</i> , 2008 , 390, 132-41	10.2	61
52	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	6.8	57
51	Investigating intergenerational differences in human PCB exposure due to variable emissions and reproductive behaviors. <i>Environmental Health Perspectives</i> , 2011 , 119, 641-6	8.4	56
50	Atmospheric polychlorinated biphenyls in Indian cities: levels, emission sources and toxicity equivalents. <i>Environmental Pollution</i> , 2013 , 182, 283-90	9.3	54
49	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	6.2	51
48	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	12.9	49

47	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	10.2	48
46	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	10.3	45
45	High Concentrations of Organic Contaminants in Air from Ship Breaking Activities in Chittagong, Bangladesh. <i>Environmental Science & Technology</i> , 2015 , 49, 11372-80	10.3	41
44	Evaluating a model of the historical behavior of two hexachlorocyclohexanes in the Baltic Sea environment. <i>Environmental Science & Technology</i> , 2002 , 36, 1014-23	10.3	41
43	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	5.1	40
42	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, 162-70	10.2	37
41	Endosulfan, pentachlorobenzene and short-chain chlorinated paraffins in background soils from Western Europe. <i>Environmental Pollution</i> , 2015 , 196, 21-8	9.3	34
40	Long-Term Temporal Trends of Polychlorinated Biphenyls and Their Controlling Sources in China. <i>Environmental Science & Technology</i> , 2017 , 51, 2838-2845	10.3	33
39	Expanding the applicability of multimedia fate models to polar organic chemicals. <i>Environmental Science & Technology</i> , 2003 , 37, 4934-43	10.3	33
38	Calibration and application of a passive air sampler (XAD-PAS) for volatile methyl siloxanes. <i>Environmental Science & Technology</i> , 2013 , 47, 4463-70	10.3	31
37	Illustrating sensitivity and uncertainty in environmental fate models using partitioning maps. <i>Environmental Science & Technology</i> , 2005 , 39, 3186-96	10.3	31
36	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	9.3	29
35	Screening for PFOS and PFOA in European air using passive samplers. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 1100-9		29
34	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	12.9	28
33	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, 3230-5	9.3	28
32	Mass budgets, pathways, and equilibrium states of two hexachlorocyclohexanes in the Baltic Sea environment. <i>Environmental Science & Technology</i> , 2002 , 36, 1024-32	10.3	27
31	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	10.3	24
30	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	8.4	24

29	Screening organic chemicals in commerce for emissions in the context of environmental and human exposure. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 2028-37		23
28	Using model-based screening to help discover unknown environmental contaminants. <i>Environmental Science & Technology</i> , 2014 , 48, 7264-71	10.3	19
27	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, 365-73	7.9	18
26	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	12.9	18
25	The mass flow and proposed management of bisphenol A in selected Norwegian waste streams. <i>Waste Management</i> , 2017 , 60, 775-785	8.6	17
24	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, 2240-51	4.3	17
23	Assessment of sorbent impregnated PUF disks (SIPs) for long-term sampling of legacy POPs. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 71-8		16
22	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	6.9	15
21	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	10.2	15
20	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, 177-87	10.2	14
19	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	7.9	13
18	Using passive air samplers to assess local sources versus long range atmospheric transport of POPs. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 2580-90		12
17	Import, use, and emissions of PCBs in Switzerland from 1930 to 2100. <i>PLoS ONE</i> , 2017 , 12, e0183768	3.7	12
16	Low concentrations of persistent organic pollutants (POPs) in air at Cape Verde. <i>Science of the Total Environment</i> , 2018 , 612, 129-137	10.2	11
15	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. <i>Environmental Health Perspectives</i> , 2016 , 124, 299-305	8.4	11
14	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	10.2	10
13	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	10.3	9
12	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	10.3	9

11	Modeling the fate of polychlorinated biphenyls in the inner Oslofjord, Norway. <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 2386-95	3.8	9
10	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	6.8	9
9	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	10.2	8
8	Forecasting long-range atmospheric transport episodes of polychlorinated biphenyls using FLEXPART. <i>Atmospheric Environment</i> , 2013 , 71, 335-339	5.3	6
7	Non-target and suspect characterisation of organic contaminants in Arctic air, Part II: Application of a new tool for identification and prioritisation of chemicals of emerging Arctic concern in air 2020 ,		1
6	Increasing Trends of Legacy and Emerging Organic Contaminants in a Dated Sediment Core From East-Africa. <i>Frontiers in Environmental Science</i> , 2022 , 9,	4.8	1
5	Spatial trends of chlorinated paraffins and dechloranes in air and soil in a tropical urban, suburban, and rural environment. <i>Environmental Pollution</i> , 2022 , 292, 118298	9.3	1
4	Main sources controlling atmospheric burdens of persistent organic pollutants on a national scale. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 217, 112172	7	1
3	Introducing a nested multimedia fate and transport model for organic contaminants (NEM). <i>Environmental Sciences: Processes and Impacts</i> , 2021 , 23, 1146-1157	4.3	1
2	Ecological unequal exchange: quantifying emissions of toxic chemicals embodied in the global trade of chemicals, products, and waste. <i>Environmental Research Letters</i> , 2022 , 17, 044054	6.2	1
1	Characterization of inhalation exposure to gaseous elemental mercury during artisanal gold mining and e-waste recycling through combined stationary and personal passive sampling. <i>Environmental Sciences: Processes and Impacts</i> , 2021 , 23, 569-579	4.3	0