

Katrine Borga

List of Publications by Year in descending order

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98
papers

3,818
citations

126858

33
h-index

133188

59
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docs citations

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times ranked

3399
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.7	10
2	Increasing Trends of Legacy and Emerging Organic Contaminants in a Dated Sediment Core From East-Africa. <i>Frontiers in Environmental Science</i> , 2022, 9, .	1.5	6
3	Spatial Variation in Contaminant Occurrence in Marine Fishes and Prawns from Coastal Tanzania. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 321-333.	2.2	2
4	The influence of global climate change on accumulation and toxicity of persistent organic pollutants and chemicals of emerging concern in Arctic food webs. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1544-1576.	1.7	33
5	Bioaccumulation of Per and Polyfluoroalkyl Substances in Antarctic Breeding South Polar Skuas (<i>Catharacta maccormicki</i>) and Their Prey. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	4
6	Small Arctic rivers transport legacy contaminants from thawing catchments to coastal areas in Kongsfjorden, Svalbard. <i>Environmental Pollution</i> , 2022, 304, 119191.	3.7	6
7	Is Glacial Meltwater a Secondary Source of Legacy Contaminants to Arctic Coastal Food Webs?. <i>Environmental Science & Technology</i> , 2022, 56, 6337-6348.	4.6	5
8	Seasonal pollutant levels in littoral high-Arctic amphipods in relation to food sources and terrestrial run-off. <i>Environmental Pollution</i> , 2022, 306, 119361.	3.7	4
9	Mercury in air and soil on an urban-rural transect in East Africa. <i>Environmental Sciences: Processes and Impacts</i> , 2022, , .	1.7	6
10	Common Eider and Herring Gull as Contaminant Indicators of Different Ecological Niches of an Urban Fjord System. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 422-433.	1.6	8
11	A Multiple Life-History Trait-Based and Time-Resolved Assessment of Imidacloprid Effects and Recovery in the Widely Distributed Collembolan <i>Folsomia quadrioculata</i> . <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 139-147.	2.2	4
12	Partitioning of persistent hydrophobic contaminants to different storage lipid classes. <i>Chemosphere</i> , 2021, 263, 127890.	4.2	5
13	High Levels of Legacy and Emerging Contaminants in Killer Whales (<i>Orcinus orca</i>) from Norway, 2015 to 2017. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1848-1858.	2.2	19
14	Seasonal rainfall affects occurrence of organohalogen contaminants in tropical marine fishes and prawns from Zanzibar, Tanzania. <i>Science of the Total Environment</i> , 2021, 774, 145652.	3.9	8
15	Maternal transfer and occurrence of siloxanes, chlorinated paraffins, metals, PFAS and legacy POPs in herring gulls (<i>Larus argentatus</i>) of different urban influence. <i>Environment International</i> , 2021, 152, 106478.	4.8	19
16	Density-Dependent Metabolic Costs of Copper Exposure in a Coastal Copepod. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2538-2546.	2.2	1
17	Analysing individual growth curves for the copepod <i>Tigriopus brevicornis</i> , while considering changes in shape. <i>Journal of Sea Research</i> , 2021, 174, 102075.	0.6	1
18	Within-Body Distributions and Feeding Effects of the Neonicotinoid Insecticide Clothianidin in Bumblebees (<i>Bombus terrestris</i>). <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2781-2790.	2.2	1

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19	Mercury in Barents Sea fish in the Arctic polar night: Species and spatial comparison. <i>Marine Pollution Bulletin</i> , 2021, 169, 112501.	2.3	7
20	Within and between breeding-season changes in contaminant occurrence and body condition in the Antarctic breeding south polar skua. <i>Environmental Pollution</i> , 2021, 284, 117434.	3.7	10
21	Effects on Life-History Traits of <i>Hypogastrura viatica</i> (Collembola) Exposed to Imidacloprid Through Soil or Diet. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 3111-3122.	2.2	9
22	Preying on seals pushes killer whales from Norway above pollution effects thresholds. <i>Scientific Reports</i> , 2020, 10, 11888.	1.6	19
23	Contrasting Effects of Predation Risk and Copper on Copepod Respiration Rates. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1765-1773.	2.2	1
24	Trophic Magnification of Legacy (PCB, DDT and Hg) and Emerging Pollutants (PFAS) in the Fish Community of a Small Protected Southern Alpine Lake (Lake Mergozzo, Northern Italy). <i>Water (Switzerland)</i> , 2020, 12, 1591.	1.2	27
25	Isotopic niche differs between seal and fish-eating killer whales (<i>Orcinus orca</i>) in northern Norway. <i>Ecology and Evolution</i> , 2020, 10, 4115-4127.	0.8	27
26	Genotoxic Response and Mortality in 3 Marine Copepods Exposed to Waterborne Copper. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2224-2232.	2.2	8
27	Seabird-Transported Contaminants Are Reflected in the Arctic Tundra, But Not in Its Soil-Dwelling Springtails (Collembola). <i>Environmental Science & Technology</i> , 2019, 53, 12835-12845.	4.6	11
28	Individual variability in contaminants and physiological status in a resident Arctic seabird species. <i>Environmental Pollution</i> , 2019, 249, 191-199.	3.7	20
29	Quantifying Bioaccumulation in the Aquatic Environment. <i>Methods in Pharmacology and Toxicology</i> , 2019, , 1.	0.1	4
30	Effects of Maternal Reproductive Investment on Sex-Specific Pollutant Accumulation in Seabirds: A Meta-Analysis. <i>Environmental Science & Technology</i> , 2019, 53, 7821-7829.	4.6	16
31	Implications of Coastal Darkening for Contaminant Transport, Bioavailability, and Trophic Transfer in Northern Coastal Waters. <i>Environmental Science & Technology</i> , 2019, 53, 7180-7182.	4.6	13
32	Assessing Air-Surface Exchange and Fate of Mercury in a Subtropical Forest Using a Novel Passive Exchange-Meter Device. <i>Environmental Science & Technology</i> , 2019, 53, 4869-4879.	4.6	6
33	Terrestrial organic matter increases zooplankton methylmercury accumulation in a brown-water boreal lake. <i>Science of the Total Environment</i> , 2019, 674, 9-18.	3.9	22
34	Potential Effect of Migration Strategy on Pollutant Occurrence in Eggs of Arctic Breeding Barnacle Geese (<i>Branta leucopsis</i>). <i>Environmental Science & Technology</i> , 2019, 53, 5427-5435.	4.6	21
35	The Arctic ecosystem: A canary in the coal mine for global multiple stressors. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 487-488.	2.2	8
36	Practical advice for selecting or determining trophic magnification factors for application under the European Union Water Framework Directive. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 266-277.	1.6	42

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37	The effect of long-range transport, trophic position and diet specialization on legacy contaminant occurrence in great skuas, <i>Stercorarius skua</i> , breeding across the Northeast Atlantic. <i>Environmental Pollution</i> , 2019, 244, 55-65.	3.7	15
38	An affordable and automated imaging approach to acquire highly resolved individual data— an example of copepod growth in response to multiple stressors. <i>PeerJ</i> , 2019, 7, e6776.	0.9	6
39	DNA damage in Arctic seabirds: Baseline, sensitivity to a genotoxic stressor, and association with organohalogen contaminants. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1084-1091.	2.2	13
40	Predation Risk Potentiates Toxicity of a Common Metal Contaminant in a Coastal Copepod. <i>Environmental Science & Technology</i> , 2018, 52, 13535-13542.	4.6	13
41	New brominated flame retardants and dechlorane plus in the Arctic: Local sources and bioaccumulation potential in marine benthos. <i>Chemosphere</i> , 2018, 211, 1193-1202.	4.2	33
42	Improving Data Reporting in Ecotoxicological Studies. <i>Environmental Science & Technology</i> , 2018, 52, 8061-8062.	4.6	5
43	Effects of a complex contaminant mixture on thyroid hormones in breeding hooded seal mothers and their pups. <i>Environmental Pollution</i> , 2018, 240, 10-16.	3.7	11
44	Effects of reproductive strategies on pollutant concentrations in pinnipeds: a meta-analysis. <i>Oikos</i> , 2017, 126, 772-781.	1.2	6
45	Additive Models Reveal Sources of Metals and Organic Pollutants in Norwegian Marine Sediments. <i>Environmental Science & Technology</i> , 2017, 51, 12764-12773.	4.6	18
46	Maternal transfer of perfluoroalkyl substances in hooded seals. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 763-770.	2.2	41
47	Methylmercury biomagnification in an Arctic pelagic food web. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2636-2643.	2.2	53
48	Quantifying uncertainty in the trophic magnification factor related to spatial movements of organisms in a food web. <i>Integrated Environmental Assessment and Management</i> , 2015, 11, 306-318.	1.6	37
49	Multiple Stressors in a Top Predator Seabird: Potential Ecological Consequences of Environmental Contaminants, Population Health and Breeding Conditions. <i>PLoS ONE</i> , 2015, 10, e0131769.	1.1	31
50	Elevated Mobility of Persistent Organic Pollutants in the Soil of a Tropical Rainforest. <i>Environmental Science & Technology</i> , 2015, 49, 4302-4309.	4.6	16
51	Effect of diet, location and sampling year on bioaccumulation of mercury, selenium and cadmium in pelagic feeding seabirds in Svalbard. <i>Chemosphere</i> , 2015, 122, 14-22.	4.2	19
52	Toxic and essential elements changed in black-legged kittiwakes (<i>Rissa tridactyla</i>) during their stay in an Arctic breeding area. <i>Science of the Total Environment</i> , 2015, 502, 548-556.	3.9	13
53	Persistent organic pollutant concentrations in fledglings of two arctic seabird species. <i>Environmental Pollution</i> , 2014, 184, 414-418.	3.7	9
54	Critical evaluation of a new passive exchange-meter for assessing multimedia fate of persistent organic pollutants at the air-soil interface. <i>Environmental Pollution</i> , 2013, 181, 144-150.	3.7	7

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55	Estimating Trophic Levels and Trophic Magnification Factors Using Bayesian Inference. <i>Environmental Science & Technology</i> , 2013, 47, 11599-11606.	4.6	24
56	Improving the Quality and Scientific Understanding of Trophic Magnification Factors (TMFs). <i>Environmental Science & Technology</i> , 2013, 47, 1186-1187.	4.6	54
57	Organohalogen contaminants and Blood plasma clinical chemical parameters in three colonies of North Atlantic Great skua (<i>Stercorarius skua</i>). <i>Ecotoxicology and Environmental Safety</i> , 2013, 92, 245-251.	2.9	20
58	In vivo bioaccumulation of contaminants from historically polluted sediments Relation to bioavailability estimates. <i>Science of the Total Environment</i> , 2013, 442, 336-343.	3.9	10
59	Dietary versus Maternal Sources of Organochlorines in Top Predator Seabird Chicks: An Experimental Approach. <i>Environmental Science & Technology</i> , 2013, 47, 5963-5970.	4.6	31
60	Consistency in Trophic Magnification Factors of Cyclic Methyl Siloxanes in Pelagic Freshwater Food Webs Leading to Brown Trout. <i>Environmental Science & Technology</i> , 2013, 47, 14394-14402.	4.6	78
61	Perfluoroalkyl substances in eggs and plasma of an avian top predator, great skua (<i>Stercorarius</i>) Tj ETQq1 1 0.784314 rgBT /Overload	2.2	26
62	Influence of wintering area on persistent organic pollutants in a breeding migratory seabird. <i>Marine Ecology - Progress Series</i> , 2013, 491, 277-293.	0.9	63
63	Biological Pump Control of the Fate and Distribution of Hydrophobic Organic Pollutants in Water and Plankton. <i>Environmental Science & Technology</i> , 2012, 46, 3204-3211.	4.6	119
64	Latitudinal Distribution of Persistent Organic Pollutants in Pelagic and Demersal Marine Fish on the Norwegian Coast. <i>Environmental Science & Technology</i> , 2012, 46, 7836-7843.	4.6	27
65	Food Web Accumulation of Cyclic Siloxanes in Lake Mjøsa, Norway. <i>Environmental Science & Technology</i> , 2012, 46, 6347-6354.	4.6	83
66	Temporal Dynamics of Circulating Persistent Organic Pollutants in a Fasting Seabird under Different Environmental Conditions. <i>Environmental Science & Technology</i> , 2012, 46, 10287-10294.	4.6	36
67	Individual variation in biomarkers of health: Influence of persistent organic pollutants in Great skuas (<i>Stercorarius skua</i>) breeding at different geographical locations. <i>Environmental Research</i> , 2012, 118, 31-39.	3.7	46
68	Use of trophic magnification factors and related measures to characterize bioaccumulation potential of chemicals. <i>Integrated Environmental Assessment and Management</i> , 2012, 8, 85-97.	1.6	87
69	Trophic magnification factors: Considerations of ecology, ecosystems, and study design. <i>Integrated Environmental Assessment and Management</i> , 2012, 8, 64-84.	1.6	365
70	Differences between Arctic and Atlantic fjord systems on bioaccumulation of persistent organic pollutants in zooplankton from Svalbard. <i>Science of the Total Environment</i> , 2011, 409, 2783-2795.	3.9	50
71	Effects of environmental exposure and diet on levels of persistent organic pollutants (POPs) in eggs of a top predator in the North Atlantic in 1980 and 2008. <i>Environmental Pollution</i> , 2011, 159, 1222-1228.	3.7	33
72	Influence of season, location, and feeding strategy on bioaccumulation of halogenated organic contaminants in Arctic marine zooplankton. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 77-87.	2.2	45

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73	Seasonality in contaminant accumulation in Arctic marine pelagic food webs using trophic magnification factor as a measure of bioaccumulation. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1026-1035.	2.2	71
74	Identification of the most influential factors in the Norwegian guidelines for risk assessment of dispersion of contaminants from sediments. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 657-667.	1.6	4
75	A comparison of PCB bioaccumulation factors between an arctic and a temperate marine food web. <i>Science of the Total Environment</i> , 2010, 408, 2753-2760.	3.9	56
76	Relationship between persistent halogenated organic contaminants and TCDD-toxic equivalents on EROD activity and retinoid and thyroid hormone status in northern fulmars. <i>Science of the Total Environment</i> , 2010, 408, 6117-6123.	3.9	12
77	Simulating climate change-induced alterations in bioaccumulation of organic contaminants in an Arctic marine food web. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1349-1357.	2.2	63
78	Volatile Siloxanes in the European Arctic: Assessment of Sources and Spatial Distribution. <i>Environmental Science & Technology</i> , 2010, 44, 7705-7710.	4.6	125
79	Strongly increasing blood concentrations of lipid-soluble organochlorines in high arctic common eiders during incubation fast. <i>Chemosphere</i> , 2010, 79, 320-325.	4.2	59
80	Past, Present, and Future Controls on Levels of Persistent Organic Pollutants in the Global Environment. <i>Environmental Science & Technology</i> , 2010, 44, 6526-6531.	4.6	214
81	Evaluation of Bioaccumulation Using In Vivo Laboratory and Field Studies. <i>Integrated Environmental Assessment and Management</i> , 2009, 5, 598-623.	1.6	81
82	Perfluorinated, brominated, and chlorinated contaminants in a population of lesser black-backed gulls (<i>Larus fuscus</i>). <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1383-1392.	2.2	36
83	Geographic distribution of selected elements in the livers of polar bears from Greenland, Canada and the United States. <i>Environmental Pollution</i> , 2008, 153, 618-626.	3.7	42
84	Halogenated organic contaminants and mercury in northern fulmars (<i>Fulmarus glacialis</i>): levels, relationships to dietary descriptors and blood to liver comparison. <i>Environmental Pollution</i> , 2007, 146, 25-33.	3.7	40
85	Essential and non-essential element concentrations in two sleeper shark species collected in arctic waters. <i>Environmental Pollution</i> , 2007, 148, 281-290.	3.7	70
86	Polyaromatic hydrocarbons, chlorinated and brominated organic contaminants as tracers of feeding ecology in polar benthic amphipods. <i>Marine Ecology - Progress Series</i> , 2007, 337, 155-164.	0.9	13
87	The Occurrence of Organochlorines in Marine Avian Top Predators along a Latitudinal Gradient. <i>Environmental Science & Technology</i> , 2006, 40, 5139-5146.	4.6	15
88	REGIONAL AND SPECIES SPECIFIC BIOACCUMULATION OF MAJOR AND TRACE ELEMENTS IN ARCTIC SEABIRDS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2927.	2.2	62
89	Comparing measured and predicted PCB concentrations in Arctic seawater and marine biota. <i>Science of the Total Environment</i> , 2005, 342, 281-300.	3.9	28
90	Why Do Organochlorine Differences between Arctic Regions Vary among Trophic Levels?. <i>Environmental Science & Technology</i> , 2005, 39, 4343-4352.	4.6	19

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91	Enantiomer Fractions of Organic Chlorinated Pesticides in Arctic Marine Ice Fauna, Zooplankton, and Benthos. <i>Environmental Science & Technology</i> , 2005, 39, 3464-3473.	4.6	40
92	Bioaccumulation of PCBs in Arctic seabirds: influence of dietary exposure and congener biotransformation. <i>Environmental Pollution</i> , 2005, 134, 397-409.	3.7	94
93	Bioaccumulation Factors for PCBs Revisited. <i>Environmental Science & Technology</i> , 2005, 39, 4523-4532.	4.6	75
94	BIOLOGICAL AND CHEMICAL FACTORS OF IMPORTANCE IN THE BIOACCUMULATION AND TROPHIC TRANSFER OF PERSISTENT ORGANOCHLORINE CONTAMINANTS IN ARCTIC MARINE FOOD WEBS. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 2367.	2.2	383
95	Biomagnification. <i>Marine Pollution Bulletin</i> , 2003, 46, 522-524.	2.3	8
96	Comparison of organochlorine concentrations and patterns between free-ranging zooplankton and zooplankton sampled from seabirds'™ stomachs. <i>Chemosphere</i> , 2003, 53, 685-689.	4.2	4
97	Food Web Magnification of Persistent Organic Pollutants in Poikilotherms and Homeotherms from the Barents Sea. <i>Environmental Science & Technology</i> , 2002, 36, 2589-2597.	4.6	229
98	Size-related bioaccumulation and between-year variation of organochlorines in ice-associated amphipods from the Arctic Ocean. <i>Chemosphere</i> , 2002, 46, 1383-1392.	4.2	19