Katarina GÃ¥rdfeldt

List of Publications by Year
in descending order

42 papers	3,367 citations	201674 27 h-index	243625 44 g-index
46 all docs	46 docs citations	46 times ranked	2910 citing authors

#	Article	IF	Citations
1	Distribution of total mercury and methylated mercury species in Central Arctic Ocean water and ice. Marine Chemistry, 2022, 242, 104105.	2.3	10
2	Borealization of the Arctic Ocean in Response to Anomalous Advection From Sub-Arctic Seas. Frontiers in Marine Science, 2020, 7, .	2.5	174
3	Microplastics in sea ice and seawater beneath ice floes from the Arctic Ocean. Scientific Reports, 2020, 10, 5004.	3.3	163
4	Deep sea sediments of the Arctic Central Basin: A potential sink for microplastics. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 145, 137-142.	1.4	124
5	Microplastics in sub-surface waters of the Arctic Central Basin. Marine Pollution Bulletin, 2018, 130, 8-18.	5.0	295
6	Acoustic mapping of mixed layer depth. Ocean Science, 2018, 14, 503-514.	3.4	15
7	Ship-Based Measurements of Atmospheric Mercury Concentrations over the Baltic Sea. Atmosphere, 2018, 9, 56.	2.3	5
8	Speciation of mercury in the waters of the Weddell, Amundsen and Ross Seas (Southern Ocean). Marine Chemistry, 2017, 193, 20-33.	2.3	21
9	Seasonal and spatial evasion of mercury from the western Mediterranean Sea. Marine Chemistry, 2017, 193, 34-43.	2.3	18
10	Acoustic Mapping of Thermohaline Staircases in the Arctic Ocean. Scientific Reports, 2017, 7, 15192.	3.3	27
11	Mercury flux over West Antarctic Seas during winter, spring and summer. Marine Chemistry, 2017, 193, 44-54.	2.3	10
12	Antarctic winter mercury and ozone depletion events over sea ice. Atmospheric Environment, 2016, 129, 125-132.	4.1	39
13	Seasonal Study of Mercury Species in the Antarctic Sea Ice Environment. Environmental Science & Technology, 2016, 50, 12705-12712.	10.0	11
14	Airborne mercury species at the RÃ¥Ã¶ background monitoring site in Sweden: distribution of mercury as an effect of long-range transport. Atmospheric Chemistry and Physics, 2016, 16, 13379-13387.	4.9	8
15	Chemical cycling and deposition of atmospheric mercury in polar regions: review of recent measurements and comparison with models. Atmospheric Chemistry and Physics, 2016, 16, 10735-10763.	4.9	63
16	CO2-system development in young sea ice and CO2 gas exchange at the ice/air interface mediated by brine and frost flowers in Kongsfjorden, Spitsbergen. Annals of Glaciology, 2015, 56, 245-257.	1.4	13
17	Biogenic halocarbons in young Arctic sea ice and frost flowers. Marine Chemistry, 2013, 155, 124-134.	2.3	14
18	Airâ€“sea exchange of volatile mercury in the North Atlantic Ocean. Marine Chemistry, 2011, 125, 1-7.	2.3	58

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19	Atmospheric mercury at mediterranean coastal stations. Environmental Fluid Mechanics, 2008, 8, 101-116.	1.6	40
20	A description of an automatic continuous equilibrium system for the measurement of dissolved gaseous mercury. Analytical and Bioanalytical Chemistry, 2008, 391, 2277-2282.	3.7	24
21	Enhanced concentrations of dissolved gaseous mercury in the surface waters of the Arctic Ocean. Marine Chemistry, 2008, 110, 190-194.	2.3	121
22	Determination of Henryâ€™s law constant for elemental mercury. Chemosphere, 2008, 73, 587-592.	8.2	117
23	A synthesis of atmospheric mercury depletion event chemistry in the atmosphere and snow. Atmospheric Chemistry and Physics, 2008, 8, 1445-1482.	4.9	426
24	Circumpolar transport and air-surface exchange of atmospheric mercury at Ny-Ã…lesund (79Â° N), Svalbard, spring 2002. Atmospheric Chemistry and Physics, 2007, 7, 151-166.	4.9	58
25	Seasonal and daily variation of mercury evasion at coastal and off shore sites from the Mediterranean Sea. Marine Chemistry, 2007, 104, 214-226.	2.3	113
26	Reprint of â€œSeasonal and daily variation of mercury evasion at coastal and off shore sites from the Mediterranean Seaâ€• Marine Chemistry, 2007, 107, 104-116.	2.3	10
27	Distribution of atmospheric mercury species in Northern Europe: final results from the MOE project. Atmospheric Environment, 2003, 37, 9-20.	4.1	67
28	Mercury speciation in the marine boundary layer along a 6000km cruise path around the Mediterranean Sea. Atmospheric Environment, 2003, 37, 63-71.	4.1	124
29	Evasion of mercury from coastal and open waters of the Atlantic Ocean and the Mediterranean Sea. Atmospheric Environment, 2003, 37, 73-84.	4.1	126
30	Profiles of dissolved gaseous mercury concentration in the Mediterranean seawater. Atmospheric Environment, 2003, 37, 85-92.	4.1	48
31	Distribution of TPM in Northern Europe. Science of the Total Environment, 2003, 304, 53-59.	8.0	32
32	A kinetic study on the abiotic methylation of divalent mercury in the aqueous phase. Science of the Total Environment, 2003, 304, 127-136.	8.0	92
33	Is Bimolecular Reduction of Hg(II) Complexes Possible in Aqueous Systems of Environmental Importance. Journal of Physical Chemistry A, 2003, 107, 4478-4482.	2.5	104
34	Reply to discussion on â€œTotal gaseous mercury exchange between air and water at river and sea surfaces in swedish coastal regionsâ€• Atmospheric Environment, 2002, 36, 1405-1406.	4.1	1
35	Comparison of procedures for measurements of dissolved gaseous mercury in seawater performed on a Mediterranean cruise. Analytical and Bioanalytical Chemistry, 2002, 374, 1002-1008.	3.7	30
36	Intercomparison of methods for sampling and analysis of atmospheric mercury species. Atmospheric Environment, 2001, 35, 3007-3017.	4.1	154

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37	Atmospheric mercury distribution in Northern Europe and in the Mediterranean region. Atmospheric Environment, 2001, 35, 3019-3025.	4.1	115
38	Total gaseous mercury exchange between air and water at river and sea surfaces in Swedish coastal regions. Atmospheric Environment, 2001, 35, 3027-3038.	4.1	94
39	Oxidation of atomic mercury by hydroxyl radicals and photoinduced decomposition of methylmercury in the aqueous phase. Atmospheric Environment, 2001, 35, 3039-3047.	4.1	120
40	A kinetic study of the gas-phase reaction between the hydroxyl radical and atomic mercury. Atmospheric Environment, 2001, 35, 3049-3054.	4.1	214
41	Improved determination of gaseous divalent mercury in ambient air using KCl coated denuders. Fresenius' Journal of Analytical Chemistry, 2000, 366, 423-428.	1.5	35
42	Measurements of fractionated gaseous mercury concentrations over northwestern and central Europe, 1995-99. Journal of Environmental Monitoring, 1999, 1, 435-439.	2.1	19