

Katarina GÃ¥rdfeldt

List of Publications by Year in descending order

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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	A synthesis of atmospheric mercury depletion event chemistry in the atmosphere and snow. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1445-1482.	4.9	426
2	Microplastics in sub-surface waters of the Arctic Central Basin. <i>Marine Pollution Bulletin</i> , 2018, 130, 8-18.	5.0	295
3	A kinetic study of the gas-phase reaction between the hydroxyl radical and atomic mercury. <i>Atmospheric Environment</i> , 2001, 35, 3049-3054.	4.1	214
4	Borealization of the Arctic Ocean in Response to Anomalous Advection From Sub-Arctic Seas. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	174
5	Microplastics in sea ice and seawater beneath ice floes from the Arctic Ocean. <i>Scientific Reports</i> , 2020, 10, 5004.	3.3	163
6	Intercomparison of methods for sampling and analysis of atmospheric mercury species. <i>Atmospheric Environment</i> , 2001, 35, 3007-3017.	4.1	154
7	Evasion of mercury from coastal and open waters of the Atlantic Ocean and the Mediterranean Sea. <i>Atmospheric Environment</i> , 2003, 37, 73-84.	4.1	126
8	Mercury speciation in the marine boundary layer along a 6000km cruise path around the Mediterranean Sea. <i>Atmospheric Environment</i> , 2003, 37, 63-71.	4.1	124
9	Deep sea sediments of the Arctic Central Basin: A potential sink for microplastics. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 145, 137-142.	1.4	124
10	Enhanced concentrations of dissolved gaseous mercury in the surface waters of the Arctic Ocean. <i>Marine Chemistry</i> , 2008, 110, 190-194.	2.3	121
11	Oxidation of atomic mercury by hydroxyl radicals and photoinduced decomposition of methylmercury in the aqueous phase. <i>Atmospheric Environment</i> , 2001, 35, 3039-3047.	4.1	120
12	Determination of Henry's law constant for elemental mercury. <i>Chemosphere</i> , 2008, 73, 587-592.	8.2	117
13	Atmospheric mercury distribution in Northern Europe and in the Mediterranean region. <i>Atmospheric Environment</i> , 2001, 35, 3019-3025.	4.1	115
14	Seasonal and daily variation of mercury evasion at coastal and off shore sites from the Mediterranean Sea. <i>Marine Chemistry</i> , 2007, 104, 214-226.	2.3	113
15	Is Bimolecular Reduction of Hg(II) Complexes Possible in Aqueous Systems of Environmental Importance. <i>Journal of Physical Chemistry A</i> , 2003, 107, 4478-4482.	2.5	104
16	Total gaseous mercury exchange between air and water at river and sea surfaces in Swedish coastal regions. <i>Atmospheric Environment</i> , 2001, 35, 3027-3038.	4.1	94
17	A kinetic study on the abiotic methylation of divalent mercury in the aqueous phase. <i>Science of the Total Environment</i> , 2003, 304, 127-136.	8.0	92
18	Distribution of atmospheric mercury species in Northern Europe: final results from the MOE project. <i>Atmospheric Environment</i> , 2003, 37, 9-20.	4.1	67

#	ARTICLE	IF	CITATIONS
19	Chemical cycling and deposition of atmospheric mercury in polar regions: review of recent measurements and comparison with models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10735-10763.	4.9	63
20	Circumpolar transport and air-surface exchange of atmospheric mercury at Ny-Ålesund (79° N), Svalbard, spring 2002. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 151-166.	4.9	58
21	Air-sea exchange of volatile mercury in the North Atlantic Ocean. <i>Marine Chemistry</i> , 2011, 125, 1-7.	2.3	58
22	Profiles of dissolved gaseous mercury concentration in the Mediterranean seawater. <i>Atmospheric Environment</i> , 2003, 37, 85-92.	4.1	48
23	Atmospheric mercury at mediterranean coastal stations. <i>Environmental Fluid Mechanics</i> , 2008, 8, 101-116.	1.6	40
24	Antarctic winter mercury and ozone depletion events over sea ice. <i>Atmospheric Environment</i> , 2016, 129, 125-132.	4.1	39
25	Improved determination of gaseous divalent mercury in ambient air using KCl coated denuders. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 366, 423-428.	1.5	35
26	Distribution of TPM in Northern Europe. <i>Science of the Total Environment</i> , 2003, 304, 53-59.	8.0	32
27	Comparison of procedures for measurements of dissolved gaseous mercury in seawater performed on a Mediterranean cruise. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 1002-1008.	3.7	30
28	Acoustic Mapping of Thermohaline Staircases in the Arctic Ocean. <i>Scientific Reports</i> , 2017, 7, 15192.	3.3	27
29	A description of an automatic continuous equilibrium system for the measurement of dissolved gaseous mercury. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2277-2282.	3.7	24
30	Speciation of mercury in the waters of the Weddell, Amundsen and Ross Seas (Southern Ocean). <i>Marine Chemistry</i> , 2017, 193, 20-33.	2.3	21
31	Measurements of fractionated gaseous mercury concentrations over northwestern and central Europe, 1995-99. <i>Journal of Environmental Monitoring</i> , 1999, 1, 435-439.	2.1	19
32	Seasonal and spatial evasion of mercury from the western Mediterranean Sea. <i>Marine Chemistry</i> , 2017, 193, 34-43.	2.3	18
33	Acoustic mapping of mixed layer depth. <i>Ocean Science</i> , 2018, 14, 503-514.	3.4	15
34	Biogenic halocarbons in young Arctic sea ice and frost flowers. <i>Marine Chemistry</i> , 2013, 155, 124-134.	2.3	14
35	CO ₂ -system development in young sea ice and CO ₂ gas exchange at the ice/air interface mediated by brine and frost flowers in Kongsfjorden, Spitsbergen. <i>Annals of Glaciology</i> , 2015, 56, 245-257.	1.4	13
36	Seasonal Study of Mercury Species in the Antarctic Sea Ice Environment. <i>Environmental Science & Technology</i> , 2016, 50, 12705-12712.	10.0	11

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37	Reprint of "Seasonal and daily variation of mercury evasion at coastal and off shore sites from the Mediterranean Sea". Marine Chemistry, 2007, 107, 104-116.	2.3	10
38	Mercury flux over West Antarctic Seas during winter, spring and summer. Marine Chemistry, 2017, 193, 44-54.	2.3	10
39	Distribution of total mercury and methylated mercury species in Central Arctic Ocean water and ice. Marine Chemistry, 2022, 242, 104105.	2.3	10
40	Airborne mercury species at the RÅYÅ 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
41	Ship-Based Measurements of Atmospheric Mercury Concentrations over the Baltic Sea. Atmosphere, 2018, 9, 56.	2.3	5
42	Reply to discussion on "Total gaseous mercury exchange between air and water at river and sea surfaces in swedish coastal regions". Atmospheric Environment, 2002, 36, 1405-1406.	4.1	1