Lars-Eric HeimbÃ¼rger

List of Publications by Year
in descending order

59 papers	3,873 citations	126907 33 h-index	138484 58 g-index
64 all docs	64 docs citations	64 times ranked	4529 citing authors

#	Article	IF	Citations
1	Mangrove microbiota along the urban-to-rural gradient of the Cayenne estuary (French Guiana, South) Tj ETQq1 1 0.784314 rgBT /Overl	8.0	10
2	Evidence that Pacific tuna mercury levels are driven by marine methylmercury production and anthropogenic inputs. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	25
3	Climate change and mercury in the Arctic: Abiotic interactions. Science of the Total Environment, 2022, 824, 153715.	8.0	42
4	Arctic mercury cycling. Nature Reviews Earth & Environment, 2022, 3, 270-286.	29.7	60
5	Mediterranean Mercury Assessment 2022: An Updated Budget, Health Consequences, and Research Perspectives. Environmental Science & Technology, 2022, 56, 3840-3862.	10.0	31
6	A risk assessment review of mercury exposure in Arctic marine and terrestrial mammals. Science of the Total Environment, 2022, 829, 154445.	8.0	29
7	Arctic â€“ Atlantic Exchange of the Dissolved Micronutrients Iron, Manganese, Cobalt, Nickel, Copper and Zinc With a Focus on Fram Strait. Global Biogeochemical Cycles, 2022, 36, .	4.9	9
8	Arctic Oceanâ€™s wintertime mercury concentrations limited by seasonal loss on the shelf. Nature Geoscience, 2022, 15, 621-626.	12.9	3
9	Characterization of the submarine disposal of a Bayer effluent (Gardanne alumina plant, southern) Tj ETQq1 1 0.784314 rgBT /Overlo outfall. Chemosphere, 2021, 263, 127695.	8.2	6
10	First Assessment of the Benthic Meiofauna Sensitivity to Low Human-Impacted Mangroves in French Guiana. Forests, 2021, 12, 338.	2.1	6
11	Global Ocean Sediment Composition and Burial Flux in the Deep Sea. Global Biogeochemical Cycles, 2021, 35, e2020GB006769.	4.9	46
12	Mass-Independent Fractionation of Even and Odd Mercury Isotopes during Atmospheric Mercury Redox Reactions. Environmental Science & Technology, 2021, 55, 10164-10174.	10.0	51
13	Mercury stable isotopes constrain atmospheric sources to the ocean. Nature, 2021, 597, 678-682.	27.8	92
14	Mercury in the Cryosphere. , 2021, , 459-502.		0
15	Mercury species export from the Arctic to the Atlantic Ocean. Marine Chemistry, 2020, 225, 103855.	2.3	19
16	Influence of the Arctic Sea-Ice Regime Shift on Sea-Ice Methylated Mercury Trends. Environmental Science and Technology Letters, 2020, 7, 708-713.	8.7	17
17	Human mercury exposure levels and fish consumption at the French Riviera. Chemosphere, 2020, 258, 127232.	8.2	21
18	Chemical composition and inÂvitro aryl hydrocarbon receptor-mediated activity of atmospheric particulate matter at an urban, agricultural and industrial site in North Africa (Bizerte, Tunisia). Chemosphere, 2020, 258, 127312.	8.2	9

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19	Temporal variability of dissolved trace metals at the DYFAMED time-series station, Northwestern Mediterranean. Marine Chemistry, 2020, 225, 103846.	2.3	7
20	Widespread microbial mercury methylation genes in the global ocean. Environmental Microbiology Reports, 2020, 12, 277-287.	2.4	96
21	The Transpolar Drift as a Source of Riverine and Shelfâ€Derived Trace Elements to the Central Arctic Ocean. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015920.	2.6	80
22	Mercury Export Flux in the Arctic Ocean Estimated from ²³⁴Th/²³⁸U Disequilibria. ACS Earth and Space Chemistry, 2020, 4, 795-801.	2.7	22
23	How closely do mercury trends in fish and other aquatic wildlife track those in the atmosphere? â€“ Implications for evaluating the effectiveness of the Minamata Convention. Science of the Total Environment, 2019, 674, 58-70.	8.0	75
24	Quantifying the impacts of artisanal gold mining on a tropical river system using mercury isotopes. Chemosphere, 2019, 219, 684-694.	8.2	48
25	Mercury in the Black Sea: New Insights From Measurements and Numerical Modeling. Global Biogeochemical Cycles, 2018, 32, 529-550.	4.9	25
26	Sources, cycling and transfer of mercury in the Labrador Sea (Geotraces-Geovide cruise). Marine Chemistry, 2018, 198, 64-69.	2.3	21
27	Eurasian river spring flood observations support net Arctic Ocean mercury export to the atmosphere and Atlantic Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11586-E11594.	7.1	68
28	Introduction to the French GEOTRACES North Atlantic Transect (GA01): GEOVIDE cruise. Biogeosciences, 2018, 15, 7097-7109.	3.3	10
29	Updated Global and Oceanic Mercury Budgets for the United Nations Global Mercury Assessment 2018. Environmental Science & Technology, 2018, 52, 11466-11477.	10.0	125
30	Mercury distribution and transport in the North Atlantic Ocean along the GEOTRACES-GA01 transect. Biogeosciences, 2018, 15, 2309-2323.	3.3	29
31	The GEOTRACES Intermediate Data Product 2017. Chemical Geology, 2018, 493, 210-223.	3.3	257
32	Holocene Atmospheric Mercury Levels Reconstructed from Peat Bog Mercury Stable Isotopes. Environmental Science & Technology, 2017, 51, 5899-5906.	10.0	81
33	Methylmercury Mass Budgets and Distribution Characteristics in the Western Pacific Ocean. Environmental Science & Technology, 2017, 51, 1186-1194.	10.0	46
34	The Solomon Sea: its circulation, chemistry, geochemistry and biology explored during two oceanographic cruises. Elementa, 2017, 5, .	3.2	17
35	A mass budget for mercury and methylmercury in the Arctic Ocean. Global Biogeochemical Cycles, 2016, 30, 560-575.	4.9	110
36	Hydrothermal impacts on trace element and isotope ocean biogeochemistry. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160035.	3.4	59

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37	Atmospheric mercury speciation dynamics at the high-altitude Pic du Midi Observatory, southern France. Atmospheric Chemistry and Physics, 2016, 16, 5623-5639.	4.9	42
38	Atmospheric Mercury Transfer to Peat Bogs Dominated by Gaseous Elemental Mercury Dry Deposition. Environmental Science & Technology, 2016, 50, 2405-2412.	10.0	218
39	Shallow methylmercury production in the marginal sea ice zone of the central Arctic Ocean. Scientific Reports, 2015, 5, 10318.	3.3	70
40	A comprehensive assessment of the mercury budget in the Maranoâ€“Grado Lagoon (Adriatic Sea) using a combined observational modeling approach. Marine Chemistry, 2015, 177, 742-752.	2.3	16
41	Mercury(II) trace detection by a gold nanoparticle-modified glassy carbon electrode using square-wave anodic stripping voltammetry including a chloride desorption step. Talanta, 2015, 141, 26-32.	5.5	51
42	Nanogold-Decorated Silica Monoliths as Highly Efficient Solid-Phase Adsorbent for Ultratrace Mercury Analysis in Natural Waters. Analytical Chemistry, 2015, 87, 11122-11129.	6.5	21
43	Collection of atmospheric gaseous mercury for stable isotope analysis using iodine- and chlorine-impregnated activated carbon traps. Journal of Analytical Atomic Spectrometry, 2014, 29, 841.	3.0	81
44	Mercury Stable Isotope Signatures of World Coal Deposits and Historical Coal Combustion Emissions. Environmental Science & Technology, 2014, 48, 7660-7668.	10.0	118
45	A global ocean inventory of anthropogenic mercury based on water column measurements. Nature, 2014, 512, 65-68.	27.8	404
46	Vertical export flux of metals in the Mediterranean Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 87, 14-23.	1.4	20
47	Searching for the Record of Historical Earthquakes, Floods and Anthropogenic Activities in the Var Sedimentary Ridge (NW Mediterranean). Advances in Natural and Technological Hazards Research, 2014, , 571-581.	1.1	6
48	A double-stage tube furnaceâ€"acid-trapping protocol for the pre-concentration of mercury from solid samples for isotopic analysis. Analytical and Bioanalytical Chemistry, 2013, 405, 6771-6781.	3.7	92
49	Temporal variability of vertical export flux at the DYFAMED time-series station (Northwestern) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.2	40
50	Mercury biogeochemistry: Paradigm shifts, outstanding issues and research needs. Comptes Rendus - Geoscience, 2013, 345, 213-224.	1.2	41
51	Mercury stable isotope fractionation in six utility boilers of two large coal-fired power plants. Chemical Geology, 2013, 336, 103-111.	3.3	91
52	Mercury in flux. Nature Geoscience, 2012, 5, 447-448.	12.9	17
53	Natural and anthropogenic trace metals in sediments of the Ligurian Sea (Northwestern) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	3.3	38
54	Mercury in the Southern Ocean. Geochimica Et Cosmochimica Acta, 2011, 75, 4037-4052.	3.9	209

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55	Marine ecosystemsâ€™ responses to climatic and anthropogenic forcings in the Mediterranean. Progress in Oceanography, 2011, 91, 97-166.	3.2	385
56	Impact of atmospheric deposition of anthropogenic and natural trace metals on Northwestern Mediterranean surface waters: A box model assessment. Environmental Pollution, 2011, 159, 1629-1634.	7.5	35
57	Methyl mercury distributions in relation to the presence of nano- and picophytoplankton in an oceanic water column (Ligurian Sea, North-western Mediterranean). Geochimica Et Cosmochimica Acta, 2010, 74, 5549-5559.	3.9	149
58	Trace metal concentrations in the North-western Mediterranean atmospheric aerosol between 1986 and 2008: Seasonal patterns and decadal trends. Science of the Total Environment, 2010, 408, 2629-2638.	8.0	48
59	Approaches to evaluate spatial and temporal variability of deep marine sediment characteristics under the impact of dense water formation events. Mediterranean Marine Science, 0, , .	1.6	1