

## PUBLICATION LIST – Lutz Ahrens (2007-2016)

Lutz Ahrens is the author of **54** peer-reviewed articles, **2** book-chapters and **10** peer-reviewed proceedings with a total number of **>150** co-authors published 2007-2016. The peer-reviewed articles are cited **1552** times with a ***h-index* = 24**

### PEER-REVIEWED ARTICLES

1. Lalander, C, Senecal, J, Gros Calvo, M, **Ahrens, L**, Josefsson, S, Wiberg, K, Vinnerås, B, 2016. Fate of pharmaceuticals and pesticides in fly larvae composting. *Sci. Total Environ.* 565, 279–286.
2. Hellsing, MS, Josefsson, S, Hughes, AV, **Ahrens, L**, 2016. Sorption of perfluoroalkyl substances to two types of minerals. *Chemosphere* 159, 385–391.
3. Booij K, Robinson CD, Burgess RM, Mayer P, Roberts CA, **Ahrens L**, Allan IJ, Brant J, Jones L, Kraus UR, Larsen MM, Lepom P, Petersen J, Pröfrock D, Roose P, Schäfer S, Smedes F, Tixier C, Vorkamp K, Whitehouse P, 2016. Passive Sampling in Regulatory Chemical Monitoring of Nonpolar Organic Compounds in the Aquatic Environment. *Environ. Sci. Technol.* 50, 3–17.
4. **Ahrens L**, Daneshvar A, Lau AE, Kreuger J, 2015. Characterization of five passive sampling devices for monitoring of pesticides in water. *J. Chromatogr. A* 1405, 1–11.
5. **Ahrens L**, Norström K, Viktor T, Palm Cousins A, Josefsson S, 2015. Stockholm Arlanda Airport as a source of per- and polyfluoroalkyl substances to water, sediment and fish. *Chemosphere* 129, 33–38.
6. Schuster JK, Harner T, Fillmann G, **Ahrens L**, Altamirano JC, Bastos W, Castillo LE, Cortés J, Fentanes O, Gusev A, Hernandez M, Ibarra MV, Lana NB, Lee SC, Martínez AP, Miglioranza KSB, Puerta AP, Segovia F, Siu BM, Tominaga MY, Zuluaga HA, 2015. Assessing Polychlorinated Dibenzo-P-Dioxins and Polychlorinated Dibenzofurans in Air across Latin American Countries Using Polyurethane Foam Disk Passive Air Samplers. *Environ Sci Technol*, 49, 3680–86.
7. Bustnes JO, Bangjord G, **Ahrens L**, Herzke D, Yoccoz NG, 2015. Perfluoroalkyl substance concentrations in a terrestrial raptor: Relationships to environmental conditions and individual traits. *Environ Toxicol Chem*, 34, 184–191.
8. Shoeib M, **Ahrens L**, Jantunen L, Jantunen L, Harner T, 2014, Concentrations in air of organobromine, organochlorine and organophosphate flame retardants in Toronto, Canada. *Atmos Environ*, 99, 140–147.
9. **Ahrens L**, Bundschuh M, 2014, Fate and effects of poly- and perfluoroalkyl substances in the aquatic environment: A review. *Environ Toxicol Chem*, 33, 1921–1929.
10. **Ahrens L**, Harner T, Shoeib M, 2014, Temporal variations of cyclic and linear volatile methylsiloxanes in the atmosphere using passive samplers and high-volume air samplers. *Environ Sci Technol*, 48, 9374–9381.
11. Codling G, Halsall C, **Ahrens L**, Del Vento S, Wiberg K, Bergknut M, Laudon H, Ebinghaus R, 2014, The fate of per- and polyfluoroalkyl substances within a melting snowpack of a boreal forest. *Environ Pollut* 191, 190–198.
12. **Ahrens L**, Harner T, Shoeib M, Koblizkova M, Reiner EJ, 2013. Characterization of Two Passive Air Samplers for Per- and Polyfluoroalkyl Substances. *Environ Sci Technol*, 47, 14024–14033.
13. Vierke L, **Ahrens L**, Shoeib M, Palm WU, Webster EM, Ellis DA, Ebinghaus R, Harner T, 2013. In situ air-water and particle-water partitioning of perfluorocarboxylic

- acids, perfluorosulfonic acids and perfluorooctyl sulfonamide at a wastewater treatment plant. *Chemosphere*, 98: 941–948.
14. Gewurtz SB, Backus SM, De Silva AO, **Ahrens L**, Armellin A, Evans M, Fraser S, Gledhill M, Guerra P, Harner T, Helm PA, Hung H, Khera N, Kim MG, King M, Lee SC, Letcher RJ, Martin P, Marvin C, McGoldrick DJ, Myers AL, Pelletier M, Pomeroy J, Reiner EJ, Rondeau M, Sauve MC, Sekela M, Shoeib M, Smith DW, Smyth SA, Struger J, Spry D, Syrgiannis J, Waltho J, 2013. Perfluoroalkyl acids in the Canadian environment: Multi-media assessment of current status and trends. *Environ Intern*, 59: 183–200.
  15. Harner T, Su K, Genualdi S, Karpowicz J, **Ahrens L**, Mihele C, Schuster J, Charland JP, Narayan J, 2013. Calibration and application of PUF disk passive air samplers for tracking polycyclic aromatic compounds (PACs). *Atmos Environ*, 75: 123–128.
  16. Xie Z, Zhao Z, Möller A, Wolschke H, **Ahrens L**, Sturm R, Ebinghaus R, 2013. Neutral poly- and perfluoroalkyl substances in air and seawater of the North Sea. *Environ Sci Pollut R*, 1–13.
  17. **Ahrens L**, Shoeib M, Harner T, Lane DA, Guo R, Reiner EJ, 2012. Improved characterization of gas-particle partitioning for per- and polyfluoroalkyl substances in the atmosphere using annular diffusion denuder samplers. *Environ Sci Technol*, 46: 7199–7206.
  18. Huber S, **Ahrens L**, Bårdsen B-J, Bustnes JO, Víkingsson GA, Ebinghaus R, Herzke D, 2012 Temporal trends and spatial differences of perfluoroalkylated substances in livers of harbor porpoise (*Phocoena phocoena*) populations from Northern Europe, 1991–2008. *Sci Total Environ*, 419: 216–224.
  19. Benskin JP, **Ahrens L**, Muir DCG, Scott BF, Spencer C, Rosenberg B, Tomy G, Kylin H, Lohmann R, and Martin JW, 2012. Manufacturing Origin of Perfluorooctanoate (PFOA) in Atlantic and Canadian Arctic Seawater. *Environ Sci Technol*, 46: 677–685.
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  24. **Ahrens L**, Yeung LWY, Taniyasu S, Lam PKS, Yamashita N, 2011. Partitioning of perfluorooctanoate (PFOA), perfluorooctane sulfonate (PFOS) and perfluorooctane sulfonamide (PFOSA) between water and sediment. *Chemosphere*, 85: 731–737.
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  27. **Ahrens L**, Shoeib M, Harner T, Lee SC, Guo R, Reiner EJ, 2011. Wastewater treatment plant and landfills as sources of polyfluoroalkyl compounds to the atmosphere. *Environ Sci Technol*, 45: 8098–8105.

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30. Xie Z, Möller A, **Ahrens L**, Sturm R, Ebinghaus R, 2011. Brominated flame retardants in seawater and atmosphere of the Atlantic and the southern ocean. *Environ Sci Technol*, 45: 1820–1826.
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32. Kratzer J, **Ahrens L**, Roos A, Bäcklin BM, Ebinghaus R, 2011. Temporal trends of polyfluoroalkyl compounds (PFCs) in liver tissue of grey seals (*Halichoerus grypus*) from the Baltic Sea, 1974-2008. *Chemosphere*, 84: 1592–1600.
33. Vierke L, **Ahrens L**, Shoeib M, Reiner EJ, Guo R, Palm WU, Ebinghaus R, Harner T, 2011. Air concentrations and particle-gas partitioning of polyfluoroalkyl compounds at a wastewater treatment plant. *Environ Chem*, 8: 363–371.
34. **Ahrens L**, Ebinghaus R, 2010. Spatial distribution of polyfluoroalkyl compounds in dab (*Limanda limanda*) bile fluids from Iceland and the North Sea. *Mar Pollut Bull*, 60: 139–151.
35. **Ahrens L**, Gerwinski W, Theobald N, Ebinghaus R, 2010. Sources of polyfluoroalkyl compounds in the North Sea, Baltic Sea and Norwegian Sea: Evidence from their spatial distribution in surface water. *Mar Pollut Bull*, 60: 255–260.
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41. Busch J, **Ahrens L**, Xie Z, Sturm R, Ebinghaus R, 2010. Polyfluoroalkyl compounds in the East Greenland Arctic Ocean. *J Environ Monit*, 12: 1242–1246.
42. Genualdi S, Lee SC, Shoeib M, Gawor A, **Ahrens L**, Harner T, 2010. Global pilot study of legacy and emerging persistent organic pollutants using sorbent-impregnated polyurethane foam disk passive air samplers. *Environ Sci Technol*, 44: 5534–5539.
43. Sturm R, **Ahrens L**, 2010. Trends of polyfluoroalkyl compounds in marine biota and in humans. *Environ Chem*, 7: 457–484.
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51. Jahnke A, **Ahrens L**, Ebinghaus R, Berger U, Barber JL, Temme C, 2007. An improved method for the analysis of volatile polyfluorinated alkyl substances in environmental air samples. *Anal Bioanal Chem*, 387: 965–975.
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