

## **List of Publications**

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### **1. Publication Metrics**

#### **Web of Science:**

Publications: 218

Sum of times cited: 9141

Sum of times cited without self-citations: 8247

average citations per item: 41,93

h-index: 52

#### **Google Scholar:**

<https://scholar.google.it/citations?user=rysVIUQAAAAJ&hl=de>

Citations: 14801

h-index: 69

i10-Index: 207

### **2. Books and Journal Special Issues:**

1. Zhang, L.; **Ebinghaus, R.** (Guest Eds.), (2016): Data collection, analysis and application of speciated atmospheric mercury, Atmospheric Chemistry and Physics, in Progress
2. Pirrone, N.; Sprovieri, F., **Ebinghaus, R.** (Guest Eds.), (2016): "Global Mercury Observation System - Atmosphere (GMOS - A)", Atmospheric Chemistry and Physics, in Progress
3. **Ebinghaus, R.**, Pirrone, N.; Kim, K.-H. (Guest Eds.), (2010): Atmospheric Chemistry and

Physics, Special Issue, Chemistry, Emission, and Transport of Atmospheric Mercury (CETAM) [http://www.atmos-chem-phys.org/special\\_issue189.html](http://www.atmos-chem-phys.org/special_issue189.html)

4. Quante M., **Ebinghaus, R.**, Flöser, G. (eds.), (2011): Persistent Pollution – Past, Present and Future, Springer Verlag Berlin Heidelberg New York, 417 pages, 2011, ISBN 978-3-642-17420-9
5. **Ebinghaus, R.**, Turner, R.R., Lacerda, D., Vasiliev, O., Salomons, W. (eds.): Mercury Contaminated Sites—Characterization, Risk Assessment and Remediation, Springer Environmental Science, Springer Verlag Berlin Heidelberg New York, 1999, ISBN 3-540-63731-1
6. **Ebinghaus, R.**, Pirrone, N.; Lindberg, S.E. (Guest Eds.), (2005): Atmospheric Environment, Special Issue: 7<sup>th</sup> International Conference on Mercury as a Global Pollutant, Volume 39, Issue 39, December 2005
7. Baeyens, W., **Ebinghaus, R.**, Vasiliev, O. (eds.): Global and Regional Mercury Cycles: Sources, Fluxes and Mass Balances. NATO-ASI-Series, 2. Environment - Vol. 21, Kluwer Academic Publishers, Dordrecht, The Netherlands
8. **Ebinghaus, R.**, Petersen, G., Tümpling, U. v. (eds.), 1996: Fourth International Conference on Mercury as a Global Pollutant, Book of Abstracts, Hamburg August, 4 - 8, 1996

### 3. Publications and book chapters:

#### Published in 2019

1. Joerss, H., Apel, C., & **Ebinghaus, R.** (2019): Emerging per- and polyfluoroalkyl substances (PFASs) in surface water and sediment of the North and Baltic Seas. *Science of The Total Environment*, Volume 686, pp 360-369, doi:10.1016/j.scitotenv.2019.05.363
2. Mi, L., Xie, Z., Zhao, Z., Zhong, M., Mi, W., **Ebinghaus, R.**, & Tang, J. (2019): Occurrence and spatial distribution of phthalate esters in sediments of the Bohai and Yellow seas. *Science of The Total Environment*, Volume 653, pp 792-800, doi:10.1016/j.scitotenv.2018.10.438

#### Published in 2018

1. Apel, C., Joerss, H., & **Ebinghaus, R.** (2018): Environmental occurrence and hazard of organic UV stabilizers and UV filters in the sediment of European North and Baltic Seas. *Chemosphere*, Volume 212, December 2018, Pages 254-261, doi:10.1016/j.chemosphere.2018.08.105
2. Apel, C., Tang, J., & **Ebinghaus, R.** (2018): Environmental occurrence and distribution of organic UV stabilizers and UV filters in the sediment of Chinese Bohai and Yellow Seas. *Environmental Pollution*, Volume 235, April 2018, Pages 85-94, ISSN 0269-7491, doi:10.1016/j.envpol.2017.12.051
3. Fromme, H., Mi, W., Lahrz, T., Kraft, M., Aschenbrenner, B., Bruessow, B., **Ebinghaus, R.**, Xie, Z., & Fembacher, L. (2018): Occurrence of carbazoles in dust and air samples from different locations in Germany. *Science of The Total Environment*, Vol. 610-611,

January 2018, pp 412-418, doi:10.1016/j.scitotenv.2017.08.070

4. Jiskra, M., Sonke, J.E., Obrist, D., Bieser, J., **Ebinghaus, R.**, Lund Myhre, C., Aspö Pfaffhuber, K., Wängberg, I., Kyllönen, K., Worthy, D., Martin, L.G., Labuschagne, C., Mkololo, T., Ramonet, M., Magand, O., & Dommergue, A. (2018): A vegetation control on seasonal variations in global atmospheric mercury concentrations. *Nature Geoscience*, Volume 11, pages 244–250 (2018), doi:10.1038/s41561-018-0078-8
5. Li, J., Tang, J., Mi, W., Tian, C., Emeis, K.-C., **Ebinghaus, R.**, & Xie, Z. (2018): Spatial Distribution and Seasonal Variation of Organophosphate Esters in Air above the Bohai and Yellow Seas, China. *Environmental Science & Technology* 2018 52 (1), 89-97, doi:10.1021/acs.est.7b03807
6. Slemr, F., Weigelt, A., **Ebinghaus, R.**, Bieser, J., Brenninkmeijer, C.A.M., Rauthe-Schöch, A., Hermann, M., Martinsson, B.G., Velthoven, P. van, Bönisch, H., Neumaier, M., Zahn, A., & Ziereis, H. (2018): Mercury distribution in the upper troposphere and lowermost stratosphere according to measurements by the IAGOS-CARIBIC observatory: 2014–2016. *Atmos. Chem. Phys.*, 18, 12329-12343, doi:10.5194/acp-18-12329-2018
7. Wolschke, H., Sühring, R., Massei, R., Tang, J., & **Ebinghaus, R.** (2018): Regional variations of organophosphorus flame retardants - Fingerprint of large river basin estuaries/deltas in Europe compared with China. *Env. Pollution* 236:391-395, doi:10.1016/j.envpol.2018.01.061
8. Zhang, H., Zhou, Q., Xie, Z., Zhou, Y., Tu, C., Fu, C., Mi, W., **Ebinghaus, R.**, Christie, P., & Luo, Y. (2018): Occurrences of organophosphorus esters and phthalates in the microplastics from the coastal beaches in north China. *Science of the Total Environment*, Vol. 616-617, March 2018, pp 1505-1512, doi:10.1016/j.scitotenv.2017.10.163
9. Zhong, M., Wu, H., Mi, W., Li, F., Ji, C., **Ebinghaus, R.**, Tang, J., & Xie, Z. (2018): Occurrences and distribution characteristics of organophosphate ester flame retardants and plasticizers in the sediments of the Bohai and Yellow Seas, China. *Science of The Total Environment*, Volume 615, 15 February 2018, Pages 1305–1311, doi:10.1016/j.scitotenv.2017.09.272

## Published in 2017

1. Bieser, J.; Slemr, F.; Ambrose, J.; Brenninkmeijer, C.; Brooks, S.; Dastoor, A.; DeSimone, F.; Ebinghaus, R.; Gencarelli, C.N.; Geyer, B.; Gratz, L.E.; Hedgecock, I.M.; Jaffe, D.; Kelley, P.; Lin, C.-J.; Jaegle, L.; Matthias, V.; Ryjkov, A.; Selin, N.E.; Song, S.; Travnikov, O.; Weigelt, A.; Luke, W.; Ren, X.; Zahn, A.; Yang, X.; Zhu, Y.; Pirrone, N. (2017): Multi-model study of mercury dispersion in the atmosphere: vertical and interhemispheric distribution of mercury species. *Atmospheric Chemistry and Physics* 17, 6925–6955, (doi:10.5194/acp-17-6925-2017)
2. Freese, M.; Sühring, R.; Marohn, L.; Pohlmann, J.D.; Wolschke, H.; Byer, J.D.; Alaei, M.; Ebinghaus, R.; Hanel, R. (2017): Maternal transfer of dioxin-like compounds in artificially matured European eels. *Environmental Pollution* 227, 348–356 (doi:10.1016/j.envpol.2017.04.096)
3. Li, J.; Xie, Z.; Mi, W.; Lai, S.; Tian, C.; Emeis, K.-C.; Ebinghaus, R. (2017):

Organophosphate Esters in Air, Snow, and Seawater in the North Atlantic and the Arctic. *Environmental Science & Technology* 51, 6887–6896 (doi:10.1021/acs.est.7b01289)

4. Ma, Y., Halsall, C., Xie, Z., Koetke, D., Mi, W., Ebinghaus, R., Gao, G. (2017): Polycyclic aromatic hydrocarbons in ocean sediments from the North Pacific to the Arctic Ocean. *Environmental Pollution*, 227, 498-504. DOI:10.1016/j.envpol.2017.04.087
5. Martin, L.; Labuschagne, C.; Brunke, E.-G.; Weigelt, A.; Ebinghaus, R.; Slemr, F. (2017) Trend of atmospheric mercury concentrations at Cape Point for 1995–2004 and since 2007. *Atmospheric Chemistry and Physics* 17, 2393–2399 (doi:10.5194/acp-17-2393-2017)
6. Sprovieri, F.; Pirrone, N.; Bencardino, M.; D'Amore, F.; Angot, H.; Barbante, C.; Brunke, E.-G.; Arcega-Cabrera, F.; Cairns, W.; Comero, S.; Diéguez, M.D.C.; Dommergue, A.; Ebinghaus, R.; Feng, X.B.; Fu, X.; Garcia, P.E.; Gawlik, B.M.; Hageström, U.; Hansson, K.; Horvat, M.; Kotnik, J.; Labuschagne, C.; Magand, O.; Martin, L.; Mashyanov, N.; Mkololo, T.; Munthe, J.; Obolkin, V.; Ramirez Islas, M.; Sena, F.; Somerset, V.; Spandow, P.; Vardè, M.; Walters, C.; Wängberg, I.; Weigelt, A.; Yang, X.; Zhang, H. (2017): Five-year records of mercury wet deposition flux at GMOS sites in the Northern and Southern hemispheres. *Atmospheric Chemistry and Physics* 17, 2689–2708 (doi:10.5194/acp-17-2689-2017)
7. Travnikov, O.; Angot, H.; Artaxo, P.; Bencardino, M.; Bieser, J.; D'Amore, F.; Dastoor, A.; De Simone, F.; del Carmen Diéguez, M.; Dommergue, A.; Ebinghaus, R.; Feng, X.B.; Gencarelli, C.; Hedgecock, I.M.; Magand, O.; Martin, L.; Matthias, V.; Mashyanov, N.; Pirrone, N.; Ramachandran, R.; Read, K.A.; Ryjkov, A.; Selin, N.E.; Sena, F.; Song, S.; Sprovieri, F.; Wip, D.; Wängberg, I.; Yang, X. (2017) Multi-model study of mercury dispersion in the atmosphere: atmospheric processes and model evaluation. *Atmospheric Chemistry and Physics* 17, 5271–5295 (doi:10.5194/acp-17-5271-2017)
8. Zhao, Z.; Tang, J.; Mi, L.; Tian, C.; Zhong, G.; Zhang, G.; Wang, S.; Li, Q.; Ebinghaus, R.; Xie, Z.; Sun, H. (2017): Perfluoroalkyl and polyfluoroalkyl substances in the lower atmospheres and surface waters of the Chinese Bohai Sea, Yellow Sea, and Yangtze River Estuary. *Science of the Total Environment* 599–600, 114–123 (doi:10.1016/j.scitotenv.2017.04.147)

## Published in 2016

1. Brunke, E.-G.; Walters, C.; Mkololo, T.; Martin, L.; Labuschagne, C.; Silwana, B.; Slemr, F.; Weigelt, A.; Ebinghaus, R.; Somerset, V. (2016): Mercury in the atmosphere and in rainwater at Cape Point, South Africa. *Atmospheric Environment* 125, 24–32 (doi:10.1016/j.atmosenv.2015.10.059)
2. Chen, W.-L.; Xie, Z.; Wolschke, H.; Gandrass, J.; Kötke, D.; Winkelmann, M.; Ebinghaus, R. (2016): Quantitative determination of ultra-trace carbazoles in sediments in the coastal environment. *Chemosphere* 150, 586–595 (doi:10.1016/j.chemosphere.2016.02.051)
3. Freese, M.; Sühring, R.; Pohlmann, J.D.; Wolschke, H.; Magath, V.; Ebinghaus, R.; Hanel, R. (2016): A question of origin: dioxin-like PCBs and their relevance in stock management of European eels. *Ecotoxicology* 25, 41–55 (doi:10.1007/s10646-015-1565-y)

4. Heydebreck, F.; Tang, J.; Xie, Z.; Ebinghaus, R. (2016): Emissions of per- and polyfluoroalkyl substances in a textile manufacturing plant in China and their relevance for workers' exposure. *Environmental Science & Technology* 50, 10386–10396 (doi: 10.1021/acs.est.6b03213)
5. Kirchgeorg, T.; Dreyer, A.; Gabrielli, P.; Gabrieli, J.; Thompson, L.G.; Barbante, C.; Ebinghaus, R. (2016): Seasonal accumulation of persistent organic pollutants on a high altitude glacier in the Eastern Alps. *Environmental Pollution* 218, 804–812 (doi: 10.1016/j.envpol.2016.08.004)
6. Lai, S.; Song, J.; Song, T.; Huang, Z.; Zhang, Y.; Zhao, Y.; Liu, G.; Zheng, J.; Mi, W.; Tang, J.; Zou, S.; Ebinghaus, R.; Xie, Z. (2016): Neutral polyfluoroalkyl substances in the atmosphere over the northern South China Sea. *Environmental Pollution* 214, 449–455 (doi:10.1016/j.envpol.2016.04.047)
7. Slemr, F.; Brenninkmeijer, C.A.; Rauthe-Schöch, A.; Weigelt, A.; Ebinghaus, R.; Brunke, E.-G.; Martin, L.; Spain, T.G.; O'Doherty, S. (2016): El Niño–Southern Oscillation influence on tropospheric mercury concentrations. *Geophysical Research Letters* 43, 1766–1771 (doi:10.1002/2016GL067949)
8. Slemr, F.; Weigelt, A.; Ebinghaus, R.; Kock, H.H.; Bödewadt, J.; Brenninkmeijer, C.A.M.; Rauthe-Schöch, A.; Weber, S.; Hermann, M.; Becker, J.; Zahn, A.; Martinsson, B. (2016): Atmospheric mercury measurements onboard the CARIBIC passenger aircraft. *Atmospheric Measurement Techniques* 9, 2291–2302 (doi: 10.5194/amt-9-2291-2016)
9. Sprovieri, F.; Pirrone, N.; Bencardino, M.; D'Amore, F.; Angot, H.; Barbante, C.; Brunke, E.-G.; Arcega-Cabrera, F.; Cairns, W.; Comero, S.; Diéguez, M.D.C.; Dommergue, A.; Ebinghaus, R.; Feng, X.B.; Fu, X.; Garcia, P.E.; Gawlik, B.M.; Hageström, U.; Hansson, K.; Horvat, M.; Kotnik, J.; Labuschagne, C.; Magand, O.; Martin, L.; Mashyanov, N.; Mkololo, T.; Munthe, J.; Obolkin, V.; Ramirez Islas, M.; Sena, F.; Somerset, V.; Spandow, P.; Vardè, M.; Walters, C.; Wängberg, I.; Weigelt, A.; Yang, X.; Zhang, H. (2017): Five-year records of mercury wet deposition flux at GMOS sites in the Northern and Southern hemispheres. *Atmospheric Chemistry and Physics*, 2689–2708 (doi:10.5194/acp-17-2689-2017)
10. Sühring, R.; Busch, F.; Fricke, N.; Kötke, D.; Wolschke, H.; Ebinghaus, R. (2016): Distribution of brominated flame retardants and dechloranes between sediments and benthic fish – A comparison of a freshwater and marine habitat. *Science of the Total Environment* 542, 578–585 (doi:10.1016/j.scitotenv.2015.10.085)
11. Sühring, R.; Ortiz, X.; Pena-Abaurrea, M.; Jobst, K.J.; Freese, M.; Pohlmann, J.-D.; Marohn, L.; Ebinghaus, R.; Backus, S.; Hanel, R.; Reiner, E.J. (2016): Evidence for high concentrations and maternal transfer of substituted diphenylamines in European eels analyzed by two-dimensional gas chromatography–time-of-flight mass spectrometry and gas chromatography–fourier transform ion cyclotron resonance mass spectrometry. *Environmental Science & Technology* 50, 12678–12685 (doi: 10.1021/acs.est.6b04382)
12. Weigelt, A.; Ebinghaus, R.; Pirrone, N.; Bieser, J.; Bodewadt, J.; Esposito, G.; Slemr, F.; van Velthoven, P.F.J.; Zahn, A.; Ziereis, H. (2016) Tropospheric mercury vertical profiles between 500 and 10aEuro-000 m in central Europe. *Atmospheric Chemistry and Physics* 16, 4135-4146 (doi:10.5194/acp-16-4135-2016)
13. Weigelt, A.; Slemr, F.; Ebinghaus, R.; Pirrone, N.; Bieser, J.; Bodewadt, J.; Esposito, G.; van

Velthoven, P.F.J. (2016) Mercury emissions of a coal-fired power plant in Germany. *Atmospheric Chemistry and Physics* 16, 13653-13668 (doi:10.5194/acp-16-13653-2016)

14. Wolschke, H.; Sühling, R.; Mi, W.; Möller, A.; Xie, Z.; Ebinghaus, R. (2016): Atmospheric occurrence and fate of organophosphorus flame retardants and plasticizer at the German coast. *Atmospheric Environment* 137, 1–5 (doi: 10.1016/j.atmosenv.2016.04.028)

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1. Heydebreck, F.; Tang, J.; Xie, Z.; **Ebinghaus, R.** (2015): Alternative and Legacy Perfluoroalkyl Substances: Differences between European and Chinese River/Estuary Systems. *Environmental Science & Technology* 49, 8386-8395 (doi: 10.1021/acs.est.5b01648)
2. Lai, S.; Xie, Z.; Song, T.; Tang, J.; Zhang, Y.; Mi, W.; Peng, J.; Zhao, Y.; Zou, S.; **Ebinghaus, R.** (2015): Occurrence and dry deposition of organophosphate esters in atmospheric particles over the northern South China Sea, *Chemosphere* 127, 195-200 (doi: 10.1016/j.chemosphere.2015.02.015)
3. Lu, Z.; Song, L.; Zhao, Z.; Ma, Y.; Wang, J.; Yang, H.; Ma, H.; Cai, M.; Codling, G.; **Ebinghaus, R.**; Xie, Z.; Giesy, J.P. (2015): Occurrence and trends in concentrations of perfluoroalkyl substances (PFASs) in surface waters of eastern China, *Chemosphere* 119, 820-827 (doi: 10.1016/j.chemosphere.2014.08.045)
4. Ma, Y., Xie, Z., Halsall, C., Moller, A., Yang, H., Zhong, G., Cai, M., **Ebinghaus, R.** (2015): The spatial distribution of organochlorine pesticides and halogenated flame retardants in the surface sediments of an Arctic fjord: The influence of ocean currents vs. glacial runoff. *Chemosphere*, 119, 953-960 (doi:10.1016/j.chemosphere.2014.09.012)
5. Slemr, F.; Angot, H.; Dommergue, A.; Magant, O.; Barret, M.; Weigelt, A.; **Ebinghaus, R.**; Brunke, E.-G.; Pfaffhuber, K.A.; Edwards, G.; Howard, D.; Powell, J.; Keywood, M.; Wang, F. (2015): Comparison of mercury concentrations measured at several sites in the Southern Hemisphere. *Atmos. Chem. Phys.* 15, 3125-3133 (doi: 10.5194/acp-15-3125-2015)
6. Song, S.; Selin, N.E.; Soerensen, A.L.; Angot, H.; Artz, R.; Brooks, S.; Brunke, E.-G.; Conley, G.; Dommergue, A.; **Ebinghaus, R.**; Holsen, T.M.; Jaffe, D.A.; Kang, S.; Kelley, P.; Luke, W.T.; Magand, O.; Marumoto, K.; Pfaffhuber, K.A.; Ren, X.; Sheu, G.-R.; Slemr, F.; Warneke, T.; Weigelt, A.; Weiss-Penzias, P.; Wip, D.C.; Zhang, Q. (2015): Top-down constraints on atmospheric mercury emissions and implications for global biogeochemical cycling. *Atmos. Chem. Phys.*, 15, 7103-7125 (doi:10.5194/acp-15-71032015)
7. Sühling, R.; Freese, M.; Schneider, M.; Schubert, S.; Pohlmann, J.-D.; Alae, M.; Wolschke, H.; Hanel, R.; **Ebinghaus, R.**; Marohn, L. (2015): Maternal transfer of emerging brominated and chlorinated flame retardants in European eels. *Science of the Total Environment* 530-531, 209-218 (doi: 10.1016/j.scitotenv.2015.05.094)
8. Sühling, R.; Barber, J.L.; Wolschke, H.; Kötke, D.; **Ebinghaus, R.** (2015): Fingerprint analysis of brominated flame retardants and Dechloranes in North Sea sediments. *Environmental Research* 140, 569–578 (doi: 10.1016/j.envres.2015.05.018)
9. Venter, A.D.; Beukes, J.P.; van Zyl, P.G.; Brunke, E.-G.; Labuschagne, C.; Slemr, F.;

- Ebinghaus, R.**; Kock, H. (2015): Statistical exploration of gaseous elemental mercury (GEM) measured at Cape Point from 2007 to 2011. *Atmospheric Chemistry and Physics (ACP)* 15, 10271-10280 (doi:10.5194/acp-15-10271-2015)
10. Wang, R.; Tang, J.; Xie, Z.; Mi, W.; Chen, Y.; Wolschke, H.; Tian, C.; Pan, X.; Luo, Y.; **Ebinghaus, R.** (2015): Occurrence and spatial distribution of organophosphate ester flame retardants and plasticizers in 40 rivers draining into the Bohai Sea, north China. *Environmental Pollution* 198, 172-178 (doi:10.1016/j.envpol.2014.12.037)
  11. Wang, Z.; Xie, Z.; Möller, A.; Mi, W.; Wolschke, H.; **Ebinghaus, R.** (2015): Estimating dry deposition and gas/particle partition coefficients of neutral poly-/perfluoroalkyl substances in northern German coast. *Environmental Pollution* 202, 120-125 (doi:10.1016/j.envpol.2015.03.029)
  12. Wang, Z.; Xie, Z.; Mi, W.; Möller, A.; Wolschke, H.; **Ebinghaus, R.** (2015): Neutral Poly/Per-Fluoroalkyl Substances in Air from the Atlantic to the Southern Ocean and in Antarctic Snow. *Environmental Science & Technology* 49 (13),7770-7775 (doi: 10.1021/acs.est.5b00920)
  13. Weigelt, A.; **Ebinghaus, R.**; Manning, A.J.; Derwent, R.G.; Simmonds, P.G.; Spain, T.G.; Jennings, S.G.; Slemr, F. (2015): Analysis and interpretation of 18 years of mercury observations since 1996 at Mace Head, Ireland, *Atmospheric Environment* 100, 85-93 (doi: 10.1016/j.atmosenv.2014.10.050)
  14. Wolschke, H.; Meng, X.-Z.; Xie, Z.; **Ebinghaus, R.**; Cai, M. (2015): Novel flame retardants (N-FRs), polybrominated diphenyl ethers (PBDEs) and dioxin-like polychlorinated biphenyls (DL-PCBs) in fish, penguin, and skua from King George Island, Antarctica, *Marine Pollution Bulletin* 96, 513-518 (doi:10.1016/j.marpolbul.2015.04.012)
  15. Wolschke, H.; Sühling, R.; Xie, Z.; **Ebinghaus, R.** (2015): Organophosphorus flame retardants and plasticizers in the aquatic environment: A case study of the Elbe River, Germany. *Environmental Pollution* 206, 488-493 (doi: 10.1016/j.envpol.2015.08.002)
  16. Xie, Z.; Wang, Z.; Mi, W.; Möller, A.; Wolschke, H.; **Ebinghaus, R.** (2015): Neutral Poly-/perfluoroalkyl Substances in Air and Snow from the Arctic. *Scientific Reports* 5:8912 (doi:10.1038/srep08912)
  17. Zhao, Z.; Xie, Z.; Tang, J.-H.; Sturm, R.; Chen, Y.-J.; Zhang, G.; **Ebinghaus, R.** (2015): Seasonal variations and spatial distributions of perfluoroalkyl substances in the rivers Elbe and lower Weser and the North Sea. *Chemosphere* 129, 118-125 (doi:10.1016/j.chemosphere.2014.03.050)
  18. Zhao, Z.; Xie, Z.; Tang, J.; Gan, Z.; **Ebinghaus, R.** (2015): Spatial distribution of perfluoroalkyl acids in surface sediments of the German Bight, North Sea. *Science of The Total Environment* 511, 145-152 (doi:10.1016/j.scitotenv.2014.12.063)

## Published in 2014

1. Jaffe, D.A.; Lyman, S.; Amos, H.M.; Gustin, M.S.; Huang, J.; Selin, N.E.; Levin, L.; ter Schure, A.; Mason, R.P.; Talbot, R.; Rutter, A.; Finley, B.; Jaeglé, L.; Shah, V.; McClure, C.; Ambrose, J.; Gratz, L.; Lindberg, S.; Weiss-Penzias, P.; Sheu, G.-R.; Feddersen, D.; Horvat, M.; Dastoor, A.; Hynes, A.J.; Mao, H.; Sonke, J.E.; Slemr, F.; Fisher, J.A.; **Ebinghaus, R.**;

- Zhang, Y.; Edwards, G. (2014): Progress on Understanding Atmospheric Mercury Hampered by Uncertain Measurements. *Environ. Sci. Technol.* 48, 7204–7206 (doi: 10.1021/es5026432)
- 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, *Environmental Pollution*, 191, 190-198 (doi: 10.1016/j.envpol.2014.04.032)
  - Meng, X.-Z.; Wang, Y.; Xiang, N.; Chen, L.; Liu, Z.; Wu, B.; Dai, X.; Zhang, Y.-H.; Xie, Z.; **Ebinghaus, R.** (2014): Flow of sewage sludge-borne phthalate esters (PAEs) from human release to human intake: Implication for risk assessment of sludge applied to soil, *Science of the Total Environment*, 476-477, 242-249 (doi: 10.1016/j.scitotenv.2014.01.007)
  - Slemr, F.; Weigelt, A.; **Ebinghaus, R.**; Brenninkmeijer, C.; Baker, A.; Schuck, T.; Rauthe-Schöch, A.; Riede, H.; Leedham, E.; Hermann, M.; van Velthoven, P.; Oram, D.; O’Sullivan, D.; Dyroff, C.; Zahn, A.; Ziereis, H. (2014): Mercury Plumes in the Global Upper Troposphere Observed during Flights with the CARIBIC Observatory from May 2005 until June 2013, *Atmosphere*, 5, 342-369; doi:10.3390/atmos5020342
  - Steffen, A.; Bottenheim, J.; Cole, A.; **Ebinghaus, R.**; Lawson, G.; Leitch, W.R. (2014): Atmospheric mercury speciation and mercury in snow over time at Alert, Canada, *Atmos. Chem. Phys.*, 14, 2219–2231 (doi:10.5194/acp-14-2219-2014)
  - Sühring, R.; Byer, J.; Freese, M.; Pohlmann, J.-D.; Wolschke, W.; Möller, A.; Hodson, P.V.; Alae, M.; Hanel, R.; **Ebinghaus, R.** (2014): Brominated flame retardants and Dechloranes in European and American eels from glass to silver life stages, *Chemosphere*, 116, 104-111 (doi:10.1016/j.chemosphere.2013.10.096)
  - Wang, X.; Halsall, C.; Codling, G.; Xie, Z.; Xu, B.; Zhao, Z.; Xue, Y.; **Ebinghaus, R.**; Jones, K.C. (2014): Accumulation of Perfluoroalkyl Compounds in Tibetan Mountain Snow: Temporal Patterns from 1980 to 2010, *Environ. Sci. Technol.* 48, 173-181 (doi:10.1021/es4044775)
  - Wang, Z.; Xie, Z.; Moeller, A.; Mi, W.; Wolschke, H.; **Ebinghaus, R.** (2014): Atmospheric concentrations and gas/particle partitioning of neutral poly- and perfluoroalkyl substances in northern German coast, *Atmospheric Environment* 95, 207-213 (DOI:10.1016/j.atmosenv.2014.06.036)
  - Zhong, G.; Tang, J.; Xie, Z.; Mi, W.; Chen, Y.; Möller, A.; Sturm, R.; Zhang, G.; **Ebinghaus, R.** (2014): Selected current-use pesticides (CUPs) in coastal and offshore sediments of Bohai and Yellow seas, *Environ Sci Pollut Res*, DOI 10.1007/s11356-014-2648-7

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### 3. Invited lectures:

1. Ebinghaus, R., (2019): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciologie et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 04, 2019
2. Ebinghaus, R., (2019): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciologie et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 04, 2019
3. Ebinghaus, R., (2018): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciologie et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 04, 2018
4. Ebinghaus, R., (2018): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciologie et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 04, 2018

5. Ebinghaus, R., (2017): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 04, 2017
6. Ebinghaus, R., (2017): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 04, 2017
7. Ebinghaus R. (2016): Regulated flame retardants and polyfluorinated compounds vs. their non-regulated replacement substances – good or only less bad for the environment ? 39<sup>th</sup> Annual Meeting of the Brazilian Chemical Society, Goiania, Brazil, May 30 – June 2, 2016
8. Ebinghaus, R. (2016): QA/QC in research networks – the Global Mercury Observation System as an example, 39<sup>th</sup> Annual Meeting of the Brazilian Chemical Society, Special Workshop on Environmental observation network and analytical quality control, Goiania, Brazil, May 30 – June 2, 2016
9. Ebinghaus, R., (2016): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 04, 2016
10. Ebinghaus, R., (2016): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 04, 2016
11. Ebinghaus, R. (2015): Regulated polyfluorinated compounds vs. their non-regulated replacement substances – good or only less bad for the marine environment? 8<sup>th</sup> National Conference on Environmental Chemistry (NCEC), Guangzhou, China, Nov. 05 - 08, 2015
12. Ebinghaus, R., (2015): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 08 to Feb. 08, 2015
13. Ebinghaus, R., (2015): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 08, 2015
14. Ebinghaus, R., (2014): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 07, 2014
15. Ebinghaus, R., (2014): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 06 to Feb. 07, 2014

16. Ebinghaus, R. (2013): Regional and global cycling of atmospheric mercury - new insights from land-, ship- and aircraft-based measurements, Department für Umweltsystemwissenschaften, ETH Zürich, Schweiz, 15. November 2013
17. Ebinghaus, R., (2013): Regional and global cycling of atmospheric mercury - new insights from land-, ship- and aircraft-based measurements, ITM, Stockholm, Sweden, 10. April 2013
18. Ebinghaus, R., (2013): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 07 to Feb. 08, 2013
19. Ebinghaus, R., (2013): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 07 to Feb. 08, 2013
20. Ebinghaus, R., (2012): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 09 to Feb. 10, 2012
21. Ebinghaus, R., (2012): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 09 to Feb. 10, 2012
22. Ebinghaus, R., (2011): Großräumige Verteilung von neuartigen Problemstoffen in der Meeresumwelt am Beispiel der Polyfluorierten Verbindungen, ANAKON 2011, Zürich, Switzerland, March 22 to 25, 2011
23. Ebinghaus, R., (2011): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 10 to Feb. 11, 2011
24. Ebinghaus, R., (2011): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. . 10 to Feb. 11, 2011
25. Ebinghaus, R. (2010): Polyfluorinated compounds (PFCs) in the aquatic and atmospheric environment, Karl-Franzens-Universität Graz. 29.10.10, Graz, Österreich
26. Ebinghaus, R. (2010): Detecting emerging organic pollutants – environmental chemistry in the forefront of monitoring and legislation, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 11 to Feb. 12, 2010
27. Ebinghaus, R. (2010): Mercury emissions from industrial source area in former GDR – a case study, European Research Course on Atmospheres (ERCA), Université Joseph Fourier,

Laboratoire de Glaciology et Géophysique de l' Environnement, Grenoble, France, Jan. 11 to Feb. 12, 2010

28. Ebinghaus, R. (2010) Emission sources, regional and global distribution of classical Persistent Organic Pollutants (POPs), European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l' Environnement, Grenoble, France, Jan. 11 to Feb. 12, 2010
29. Ebinghaus, R. (2010): Polyfluorierte Organische Verbindungen (PFCs) in der aquatischen und atmosphärischen Umwelt – neuere Ergebnisse aus Feldstudien, Universität Osnabrück, Umweltsystemforschung, 27. Januar 2010
30. Ebinghaus, R. (2009): Regional and global cycling of atmospheric mercury - new insights from land-, ship- and aircraft-based measurements, Institut für Chemie- und Bioingenieurwissenschaften, ETH Zürich, Schweiz, Institutsseminar, 23.Oktober 2009
31. Ebinghaus, R. (2009): Umweltmonitoring von neuartigen Problemstoffen am Beispiel der Ployfluorierten Organischen Verbindungen (PFCs); Gesellschaft Deutscher Chemiker, Fachgruppe Umweltchemie und Ökotoxikologie, Jahrestagung 2009, 23.-25. September 2009, Trier
32. Ebinghaus, R. (2009): Monitoring of emerging organic pollutants in the atmospheric and marine environment, Scuola Estiva: Metodi Innovativi nell' Analisi Chimica Ambientale, 07.-12 Settembre 2009, Fondazione per l'Università e l'Alta Cultura in Provincia di Belluno via Borgo Ruga, Feltre (BL), Italia
33. Ebinghaus, R., (2009): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l' Environnement, Grenoble, France, Jan. 12 to Feb. 13, 2009
34. Ebinghaus, R., (2009): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. . 12 to Feb. 13, 2009
35. Ebinghaus, R., (2008): Spatial coverage and temporal trends of land-based atmospheric mercury measurements in the Northern and Southern Hemispheres, Joint International Conference of the UNEP Global Partnership on Atmospheric Mercury Transport and Fate Research & Task Force on Hemispheric Transport pof Air Pollution of the UNECE-LRTAP Convention, Rome, Italy, 07.04-11.04.08
36. Ebinghaus, R., (2007): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l' Environnement, Grenoble, France, Jan. 8 to Feb. 1, 2007
37. Ebinghaus, R., (2007): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 8 to Feb. 10, 2006

38. Ebinghaus, R., (2006): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 9 to Feb. 11, 2006
39. Ebinghaus, R., (2006): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 9 to Feb. 11, 2006
40. Ebinghaus, R., (2005): Emission sources, regional and global distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 10 to Feb. 11, 2005
41. Ebinghaus, R., (2005): Emissions, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 10 to Feb. 11, 2005
42. Ebinghaus, R. (2004): Spatial and Temporal Variability of Atmospheric Mercury in Central and Northern Europe – Observations on Different Time-Scales, International workshop on harmonization of mercury measurement methods and models to assess source-receptor impact on air quality and human health, organized by CNR Institute for Atmospheric Pollution and US EPA, Maratea, Italy, May 22 – 27, 2004
43. Ebinghaus, R., (2004): Emission sources, regional and global distribution of „classical“ and „new“ POPs, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 12 to Feb. 13, 2004
44. Ebinghaus, R. and Lindberg, S. (2004): Pondering heretical notions about the global mercury cycle: the roles of the Poles, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 12 to Feb. 13, 2004
45. Ebinghaus, R., (2004): Emission sources, local and regional distribution of atmospheric mercury, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 12 to Feb. 13, 2004
46. Ebinghaus, R. (2003): Atmospheric Mercury in Northwestern and Central Europe - Sources, Regional Distribution and Trends, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 6 to Feb. 6, 2003
47. Ebinghaus, R. (2003): Mercury Cycling in Polar Regions, European Research Course on Atmospheres (ERCA), Université Joseph Fourier, Laboratoire de Glaciology et Géophysique de l'Environnement, Grenoble, France, Jan. 6 to Feb. 6, 2003
48. Ebinghaus, R. (2002): Atmosphärisches Quecksilber in Nordwest-Europa – Raum-zeitliche

Variabilität und Grenzflächenprozesse, Analytisches Kolloquium der Universität Jena, Fachbereich Chemie, 27. Juni 2002

49. Ebinghaus, R., (2001): Atmosphärische Einträge von Quecksilber in Arktis und Antarktis, Universitätsklinikum Kiel, Institut für Toxikologie, May 9, 2001.
50. Ebinghaus, R. (2001): Atmospheric Cycling of Mercury in Polar regions, NIMD Forum 2001, National Institute for Minamata Disease, Minamata, Japan, March 19- 22, 2001.
51. Ebinghaus, R., Temme, Ch., Kock, H.H., Löwe, A., Schroeder, W.H. (2001): Atmospheric Cycling of Mercury in Polar Regions, Workshop on Mercury in the Idrija Region and the Northern Adriatic, Portoroz, Slovenia, May 13-16, 2001.
52. Ebinghaus, R. and Kock, H.H. (1999): Spatial and temporal variability of atmospheric mercury in Western and Central Europe - recent developments and trends, NIMD Forum ,99; National Institute for Minamata Disease, Minamata, Japan, October 12 - 13, 1999.
53. Ebinghaus, R. (1999): Quecksilberspurenanalytik in der Atmosphäre - Untersuchungen zum regionalen und globalen Kreislauf, Kolloquium in anorganischer und analytischer Chemie, Johannes Gutenberg - Universität Mainz, 8. November 1999, Mainz, Germany
54. Ebinghaus, R. (1999): Atmospheric Mercury Species over Europe, Kolloquium University of Finland, Helsinki, 13.1.1999
55. Ebinghaus, R. (1997): Flux measurements with the chamber technique at a marine background location in Western Europe, Workshop on Mercury Flux Methods Intercomparison, University of Reno, Nevada, U.S.A., September 1 - 4, 1997
56. Ebinghaus, R. (1995): Measurements of Atmospheric Mercury Concentrations in North Western and Central Europe with Respect to Emission and Deposition Estimates, NATO Advanced Research Workshop on Regional and Global Mercury Cycles: Sources, Fluxes and Mass Balances. Novosibirsk, Russia. July 10-14, 1995.