Prof. Dr. Ralf Ebinghaus
Helmholtz-Zentrum Hereon
Institut für Umweltchemie des Küstenraumes
Max-Planck-Str. 1
D-21502 Geesthacht

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List of Publications

Table of Content:

1. Publication Metrics

Web of Science:
Publications: 234
Sum of times cited: 13756
Sum of times cited without self-citations: 12800
average citations per item: 58.79
h-index: 67

Scopus:
Documents: 240
Sum of times cited: 14235
h-index: 71

Google Scholar:
Citations: 20600
Sum of times cited: 15,018
h-index: *85*
i10-Index: 229

2. Books and Journal Special Issues:

1. **Ebinghaus, R;** Zhang, L (Guest Eds.), (2017): Data collection, analysis and application of speciated atmospheric mercury. ATMOSPHERIC CHEMISTRY AND PHYSICS; https://acp.copernicus.org/articles/special_issue377.html

2. Pirrone, N; Sprovieri, F, **Ebinghaus, R** (Guest Eds.), (2016): "Global Mercury Observation System - Atmosphere (GMOS - A)". ATMOSPHERIC CHEMISTRY AND PHYSICS; https://acp.copernicus.org/articles/special_issue833.html

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

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, RR, 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, SE (Guest Eds.), (2005): ATMOSPHERIC ENVIRONMENT, Special Issue: 7th 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 2023

1. **Ebinghaus, R**; Barbaro, E; Bengtson Nash, S; de Avila, C; de Wit, C.A; Dulio, V; Felden, J; Franco, A; Gandrass, J; Grotti, M; Herata, H; Hughes, K; Jartun, M; Joerss, H; Kallenborn, R; Koschorrek, J; Lohmann, R; Wang, Z; McLeod, M; Pugh, R; Rauert, C; Alygizakis, N.A; Sühring, R; Vorkamp, K; Xie, Z; Küster, A (2023): Berlin Statement on Legacy and Emerging Contaminants in Polar Regions(2023): Chemosphere –*under revision*-

2. Lange, M; Cabana, D; Ebeling, A; **Ebinghaus, R**; Joerss, H; Rölfer, L; Celliers, L (2023): Climate-smart socially innovative tools and approaches for marine pollution science in support of sustainable development. Cambridge Prisms, Coastsl Futures –*under revision*-

3. Escher, B.I.; Altenburger, R; Blüher, M; Colbourne, J.K.; **Ebinghaus, R**; Fantke, P; Hein, M; Köck, W; Kümmerer, K; Leipold, S; Li, X; Scheringer, M; Scholz, St; Schloter, M; Schweizer, P-J; Tál, T; Tetko, I; Traidl-Hoffmann, C; Wick; L.Y; Fenner, C (2023): Modernizing Persistence–Bioaccumulation–Toxicity (PBT) Assessment with High Throughput Animal-free Methods. Archive of Toxicology –*accepted*-

Published in 2022

1. Custodio, D; Pfaffhuber, K. A; Spain, G. T; Prankratov, F. F; Strigunova, I; Molepo, K; Skov, H; Bieser, J; **Ebinghaus, R** (2022): Odds and ends of atmospheric mercury in Europe and over the North Atlantic Ocean: temporal trends of 25 years of measurements. Atmos. Chem. Phys., 22, 3827-3840, DOI: 10.5194/acp-22-3827-2022

2. Joerss, H; Menger, F; Tang, J; **Ebinghaus, R**; Ahrens, L (2022): Beyond the Tip of the Iceberg: Suspect Screening Reveals Point Source-Specific Patterns of Emerging and Novel Per- and Polyfluoroalkyl Substances in German and Chinese Rivers. Environ. Sci. Technol. 2022, 56, 5456-5465, DOI: 10.1021/acs.est.1c07987

3. Xie, Z; Zhang, P; Wu, Z; Zhang, S; Wei, L; Mi, L; Kuester, A; Gandrass, J; **Ebinghaus, R**; Yang, R; Wang, Z; Mi, W (2022): Legacy and emerging organic

contaminants in the polar regions. Sci. To. Env. 835 (2022) 155376, DOI: 10.1016/j.scitotenv.2022.155376

4. Naumann, T; Bento, C. P. M; Wittmann, A; Gandrass, J; Tang, J; Zhen, X; Liu, L; **Ebinghaus, R** (2022): Occurrence and ecological risk assessment of neonicotinoids and related insecticides in the Bohai Sea and its surrounding rivers, China. Water Research 209 (2022) 117912, DOI: 10.1016/j.wares.2021.11792

5. Custodio, J; **Ebinghaus R** (2022): Near-global mapping of TGM based on aircraft measurements from intercontinental flights. Atmospheric Environment. Vol 291, 15 December 2022 119354, DO: 10.016/j.atmosenv.2022.11934

6. Garnett, J; Halsall, C; Winton, H; Joerss, H; Mulvaney, R; **Ebinghaus, R**; Frey,M; Jones, A; Leeson, A; Wynn, P (2022): Increasing Accumulation of Perfluorocarboxylate Contaminants Revealed in an Antarctic Firn Core (1958-2017).Environ. Science and Techn.July 2022. DOI: 10.1021/acs.est.2c02592

Published in 2021

1. Garnett, J; Halsall, C; Vader, A; Joerss, H; **Ebinghaus, R**; Leeson, A; Wynn, PM (2021): High concentrations of perfluoroalkyl acids (PFAA) in Arctic seawater driven by early thawing ice sea. Environ. Sci. Technol. 2021, 55, 16. 11049-11059, DOI: 10.1021/acs.est. 1c01676

2. Garnett, J; Halsall, C; Thomas, M; Crabeck, O; France, J; Joerss, H; **Ebinghaus, R**; Kaiser, J. Leeson, A.; Wynn, P.M. (2021): Investigating the Uptake and Fate of Poly- and Perflluoroalkylated Substances (PFAS) in Sea Ice Using an Experimental Sea Ice Chamber. Environ. Sci. Technol. 2021, 55, 14, 9601-960, DOI: 10.1021/acs.est. 1c01645

3. *Custodio, D.; Slemr, F.; Pfaffhuber, K.A.; Spain, T.G.; Pankratiov, F.F.; Stigunova, I.; Molepo, K.; Skov, H.; Bieser, J.;* ***Ebinghaus, R****.: (2021): Odds and ends of atmospheric mercury in Europe and over northern Altantic Ocean: Temporal trends of 25 years of measurements. Atmos. Chem. Phys. Acp-2021-753, DOI: 10.5194/acp-2021-753* (REPRINT – under REVIEW ACP)

4. Martins Bento, CP; Naumann, T; Wittmann, A; Tang, J; Zhen, X; Lin, L;

Ebinghaus, R (2021): River-Sea Systems: Spatial and temporal occurence of Neonicotinoids, Glyphosate and related transformation products in the Chinese Bohai Sea and 36 surrounding Rivers. vEGU21, The 23rd EGU General Assembly, 19-30 April, 2021, id. EGU21-13206, Bibcode: 2021EGUGA..2313296P

5. Horvat, M; Sonke, JE; Lobnik, .; Dommergue, A; Amouroux, D; Knoery, J; Lapanje, A; Hedgecock, IM; Matthias, V; Lorrain, A; Heimbuerger-Boavida, L-E; Jonsson, S; Pirrone, N; **Ebinghaus, R**; Corns, W; Kocman, D; Bieser, J; Schrum, C; Point, D (2021): Towards a better understanding of mercury dynamics within and between land, atmosphere, and ocean systems to support the effectiveness evaluation of the Minamata Convention. Session/Theme 12, 12d

Published in 2020

1. Custodio, D; **Ebinghaus, R**; Spain, TG; Bieser, J (2020): Source apportionment of atmospheric mercury in the remote marine atmosphere: Mace Head GAW station, Irish western coast. ATMOSPHERIC CHEMISTRY AND PHYSICS, Volume 20, Issue 13, pp 7929-7939, DOI: 10.5194/acp-20-7929-2020

2. Petaja, T; Duplissy, EM; Tabakova, K; Schmale, J; Altstadter, B; Ancellet, G; Arshinov, M; Balin, Y; Baltensperger, U; Bange, J; Beamish, A; Belan, B; Berchet, A; Bossi, R; Cairns, WRL; **Ebinghaus, R**; El Haddad, I; Ferreira-Araujo, B; Franck, A; Huang, L; Hyvarinen, A; Humbert, A; Kalogridis, AC; Konstantinov, P; Lampert, A; MacLeod, M; Magand, O; Mahura, A; Marelle, L; Maslovoev, V; Moisseev, D; Moschos, V; Neckel, N; Onishi, T; Osterwalder, S; Ovaska, A; Paasonen, P; Panchenko, M; Pankratov, F; Pernov, JB; Platis, A; Popivicheva, O; Raut, JC; Riandet, A; Sachs, T; Salvatori, R; Salzano, R; Schroder, L; Schon, M; Shevchenko, V; Skov, H; Sonke, JE; Spolaor, A; Stathopoulos, VK; Strahlendorff, M; Thomas, JL; Vitale, V; Vratolis, S; Barbante, C; Chabrillat, S; Dommergue, A; Eleftheriadis, K; Heilimo, J; Law, KS; Massling, A; Noe, SM; Paris, JD; Prevot, ASH; Riipinen, I; Wehner, B; Xie, ZY; Lappalainen, HK (2020) Overview: Integrative and Comprehensive Understanding on Polar Environments (iCUPE) – concept and initial results. ATMOSPHERIC CHEMISTRY AND PHYSICS, Volume: 20, Issue: 14, pp 8551-8592, DOI: 10.5194/acp-20-8551-8592

3. Joerss, H; Xie, ZY, Wagner, CC; Von Appen, WJ; Sunderland, EM; **Ebinghaus, R** (2020): Transport of Legacy Perfluoroalkyl Substances and the Replacement compound HFPO-DA through the Atlantic Gateway to the Arctic Ocean - Is

the Arctic a Sink or a Source? ENVIRONMENTAL SCIENCE & TECHNOLOGY, Volume 54, Issue 16, pp 9958-9967, DOI: 10.1021/acs.est.Oc00228

4. Wang, P; Mi, WY; Xie, ZY; Tang, JH; Apel, C; Joerss, H; **Ebinghaus, R**; Zhang, QH (2020): Overall comparison and source identification of PAHs in the sediments of European Baltic and North Seas, Chinese Bohai and Yellow Seas. SCIENCE OF THE TOTAL ENVIRONMENT, Volume 737, Art .No: 139535, DOI: 10.1016/j.scitotenv.2020.139535

5. Xie, ZY; Wang, Z; Magand, O; Thollot, A; **Ebinghaus, R**; Mi, WY; Dommergue, A (2020): Occurrence of legacy and emerging organic contaminants in snow at Dome C in the Antarctic. SCIENCE OF THE TOTAL ENVIRONMENT, Voume 741, Art. No. 140200, DOI: 10.1016/j.scitotenv.2020.140200

6. Joerss, H; Schramm, TR; Sun, LT; Guo, C; Tang, JH; **Ebinghaus, R** (2020): Per- and polyfluoroalkyl substances in Chinese and Terman river water – Point source- and country-specific fingerprintes including unknown precursors. ENVIRONMENTAL POLLUTION, Volume 267, Art. No. 115567, DOI: 101016/j.envpol.2020.115567

7. Joerss, H; **Ebinghaus, R** (2020): Per- und polyfluorierte Alkylsubstanzen im Rheinverlauf – Vorkommen und Verteilung in Wasser und Sedimenten. Mitt Umweltchem Ökotox, 26. Jahrg. 2020 / Nr. 3

Published in 2019

1. Kötke, D; Gandrass, J; Xie, Z; **Ebinghaus, R** (2019): Prioritised pharmaceuticals in German estuaries and coastal waters: Occurrence and environmental risk assessment, ENVIRONMENTAL POLLUTION , 255 , DOI: 10.1016/j.envpol.2019.113161

2. 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

3. 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, pp 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, pp 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, Volume 610-611, January 2018, pp 412-418, doi:10.1016/j.scitotenv.2017.08.070

4. Jiskra, M, Sonke, JE, Obrist, D, Bieser, J, **Ebinghaus, R**, Lund Myhre, C, Aspmo Pfaffhuber, K, Wängberg, I, Kyllönen, K, Worthy, D, Martin, LG, 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, pp 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), pp 89-97, doi:10.1021/acs.est.7b03807

6. Slemr, F, Weigelt, A, **Ebinghaus, R**, Bieser, J, Brenninkmeijer, CAM, Rauthe-Schöch, A, Hermann, M, Martinsson, BG, 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,

pp 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; pp 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, pp 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, JD.; Wolschke, H.; Byer, JD.; Alaee, 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, JD.; 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.; Sühring, 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)

Published in 2015

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. Sühring, R.; Freese, M.; Schneider, M.; Schubert, S.; Pohlmann, J.-D.; Alaee, 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. Sühring, 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.; Sühring, 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)

2. 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)

3. 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)

4. 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

5. Steffen, A.; Bottenheim, J.; Cole, A.; **Ebinghaus**, R,; Lawson, G.; Leaitch , 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)

6. Sühring, R.; Byer, J.; Freese, M.; Pohlmann, J.-D.; Wolschke, W.; Möller, A.; Hodson, P.V.; Alaee, 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)

7. 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)

8. 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)

9. 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

Published in 2013

1. A. Steffen, J. Bottenheim, A. Cole, T. A. Douglas, R. **Ebinghaus**, U. Friess, S. Netcheva, S. Nghiem, H. Sihler, and R. Staebler (2013): Atmospheric mercury over sea ice during the OASIS-2009 campaign, Atmos. Chem. Phys., 13, 7007-7021, 2013

2. Sühring, R.; Möller, A.; Freese, M.; Pohlmann, J.; Wolschke, H.; Sturm, R.; Xie, Z.; Hanel, R.; **Ebinghaus**, R. (2013): Brominated flame retardants and dechloranes in eels from German Rivers. Chemosphere, 90, 118-124 (doi: 10.1016/j.chemosphere.2012.08.016)

3. Brunke, E., **Ebinghaus**, R., Kock, H. H., Weigelt, A., Labuschagne, C., Slemr, F. (2013): Trend and seasonal variation of atmospheric mercury concentrations at the Cape Point GAW observatory South Africa. E3S Web of Conferences, 1(2013), 17002 (doi:10.1051/e3sconf/20130117002)

4. Readman, J.W.; De Luna, F.; **Ebinghaus**, R.; Guzman, A.N.; Price, A.R.G.; Readman, E.E.; Sheppard, A.L.S.; Sleight, V.A.; Sturm, R.; Thompson, R.C.; Tonkin, A.; Wolschke, H.; Wright, R.J.; Sheppard, C.R.C. (2013): Contaminants, Pollution und Potential Anthropogenic Impacts in Chagos/BIOT, in: Charles R.C. Sheppard (Ed.), Coral Reefs of the World, Vol 4, Coral Reefs of the United Kingdom Overseas Territories

5. Slemr, F., **Ebinghaus**, R., Weigelt, A., Kock, H. H., Brenninkmeijer, C. A. M., Schuck, T., Hermann, M., et al. (2013): CARIBIC observations of gaseous mercury in the upper troposphere and lower stratosphere. E3S Web of Conferences, 1(2013), 17001. (doi:10.1051/e3sconf/20130117001)

6. Zhong, G.; Tang, J.; Xie, Z.; Möller, A.; Zhao, Z.; Sturm, R.; Chen, Y.; Tian, C.; Pan, X.; Qin, W.; Zhang, G.; **Ebinghaus**, R. (2013): Selected current-use and historic-use pesticides in air and seawater of the Bohai and Yellow Seas, China; Journal of Geophysical Research: Atmosphere, DOI: 10.1002/2013JD020951

7. **Ebinghaus**, R., Jennings, S. G., Kock, H. H., Derwent, R. G., Manning, a. J., Spain, T. G., Weigelt, A. (2013): Decreasing trends in total gaseous mercury observations in baseline air at Mace Head, Ireland from 1996 to 2011. (N. Pirrone, Ed.) E3S Web of Conferences, 1(2013), 07009

(doi:10.1051/e3sconf/20130107009)

8. Pirrone, N., Aas, W., Cinnirella, S., **Ebinghaus**, R., Hedgecock, I.M., Pacyna, J., Sprovieri, F., Sunderland, E.M. (2013): Toward the next generation of air quality monitoring: Mercury. Atmospheric Environment, 80, 599-611.

9. Weigelt, A., Bieber, E., Temme, C., Kock, H., Schwerin, A., Schuetze, M., **Ebinghaus**, R. (2013): Speciated mercury measurements in ambient air from 2009 to 2011 at a Central European rural background monitoring site. E3S Web of Conferences, 1(2013), 17004. (doi:10.1051/e3sconf/20130117004)

10. Sühring, R.; Byer, J., A.; Freese, M.; Pohlmann, J.; Wolschke, H.; Möller, Hodson, P.V., Alaee, M., Hanel, R.; **Ebinghaus, R.** (2013): Brominated flame retardants and Dechloranes in European and American Eels from glass to silver life stages, Chemosphere, on-line available,

11. Zhao, Z., Tang, J., Xie, Z., Chen, Y., Pan, X., Zhong, G., Sturm, R., Zhang, G., **Ebinghaus, R.** (2013): Perfluoroalkyl acids (PFAAs) in riverine and coastal sediments of Laizhou Bay, North China, Science of the Total Environment, 447, 415-423 (doi:10.1016/j.scitotenv.2012.12.095)

12. Kirchgeorg, T.; Dreyer, A.K.; Gabrieli, J.; Kehrwald, N.; Sigl, M.; Schwikowski, M.; Boutron, C.; Gambaro, A.; Barbante, C.; **Ebinghaus, R.** (2013): Temporal variations of perfluoroalkyl substances and polybrominated diphenyl ethers in alpine snow, Environmental Pollution, 178, 367-374 (DOI: 10.1016/j.envpol.2013.03.043)

13. Ma, Y.; Xie, Z.; Yang, H.; Möller, A.; Halsall, C.; Cai, M.; Sturm, R.; **Ebinghaus, R.** (2013):
Deposition of polycyclic aromatic hydrocarbons in the North Pacific and the Arctic. Journal of Geophysical Research: Atmospheres, 118, 5822-5829 (doi: 10.1002/jgrd.50473, 2013)

14. Slemr, F.; Brunke, E.-G.; Whittlestone, S.; Zahorowski, W.; **Ebinghaus, R.;** Kock, H.H.; Labuschagne, C. (2013): 222Rn-calibrated mercury fluxes from terrestrial surface of southern Africa, Atmospheric Chemistry and Physics, 13, 6421-6428 (DOI: 10.5194/acp-13-6421-2013)

15. Vierke, L.; Ahrens, L.; Shoeib, M.; Palm, W.U.; Websterd, E.M.; Ellisd, D.A.; **Ebinghaus, R.;** Harner, T. (2013): In situ air-water and particle-water partitioning of perfluorocarboxylic acids, perfluorosulfonic acids and perfluorooctylsulfonamide at a wastewater treatment plant, Chemosphere, 92(8), 941-948 (DOI: 10.1016/j.chemosphere.2013.02.067)

16. Weigelt, A.; Temme, C.; Bieber, E.; Schwerin, A.; Schuetze, M.; **Ebinghaus,** R.; Kock, H.H. (2013): Measurements of atmospheric mercury species at a German rural background site from 2009 to 2011 – methods and results, Environmental Chemistry, 10(2), 102-110 (DOI: 10.1071/EN12107)

17. 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 Res, (DOI 10.1007/s11356-013-1757-z)

18. Zhang, Y-Y., Lai, S-C., Zhao, Z., Liu, F., Chen, H., Zou, S-C., Xie, Z., **Ebinghaus, R**. (2013): Spatial distribution of perfluoroalkyl acids in the Pearl River of Southern China, Chemosphere (DOI: 10.1016/j.chemosphere.2013.07.060)

Published in 2012

1. Bollmann, U. E.; Möller, A.; Xie, Z.; **Ebinghaus, R**.; Einax, J. W. (2012): Occurrence and fate of organophosphorus flame retardants and plasticizers in coastal and marine surface waters, Water Res. 46 (2), 531-538 (DOI: 10.1016/j.watres.2011.11.028)

2. Brunke, E.-G.; **Ebinghaus, R**.; Kock, H. H.; Labuschagne, C.; Slemr, F. (2012): Emissions of mercury in southern Africa derived from long-term observations at Cape Point, South Africa,
Atmos. Chem. Phys. 12, 7465-7474

3. Cai, M.; Zhao, Z.; Yang, H.; Yin, Z.; Hong, Q.; Sturm, R.; **Ebinghaus, R**.; Ahrens, L.; Cai, M.; He, J.; Xie, Z. (2012): Spatial distribution of per- and polyfluoroalkyl compounds in coastal waters from the East to South China Sea, Environmental Pollution 161, 162 - 169. (DOI: 10.1016/j.envpol.2011.09.045)

4. Cai, M.; Zhao, Z; Yin, Z.; Ahrens, L.; Huang, P.; Cai, Mg.; Yang, H.; He, J.; Sturm, R.; **Ebinghaus, R.**; Xie, Z. (2012): Occurrence of perfluoroalkyl compounds in surface waters from the North Pacific to the Arctic Ocean. Environmental Science and Technology 46 (2), 661 - 668. (DOI: 10.1021/es2026278

5. Cai, M., Xie, Z., Möller, A., Yin, Z., Huang, P., Cai, M., Yang, H., Sturm, R., He, J., **Ebinghaus, R**. (2011): Polyfluorinated compounds in the atmosphere along a cruise pathway from the Japan Sea to the Arctic Ocean, Chemosphere, doi:10.1016/j.chemosphere.2011.11.010

6. Cai, M., Yang, H., Xie, Z., Zhao, Z., Wang, F., Lu, Z., Sturm, R., **Ebinghaus, R**. (2012): Per- and polyfluoroalkyl substances in snow, lake, surface runoff water and coastal seawater in Fildes Peninsula, King George Island, Antarctica, Journal of Hazardous Materials, 209–210, 335-34

7. Cai, M., Ma, Y., Xie, Z.; Zhong, G., Möller, A., Yang, H., Sturm, R., He, J., **Ebinghaus, R**., Meng, X.-Z. (2012): Distribution and air–sea exchange of organochlorine pesticides in the North Pacific and the Arctic, J. Geophys. Res., 117, D06311, doi:10.1029/2011JD016910

8. Huber, S.; Ahrens, L.; Bardsen, B.J.; Siebert, U.; Bustnes, J.O.; Vikingsson, G.A.; **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. Science of the total Environment 419, 216-224 **(**doi: 10.1016/j.scitotenv.2011.12.050)

9. Möller, A.; Xie, Z.; Caba, A.; Sturm, R.; **Ebinghaus, R.** (2012): Occurrence and air-seawater exchange of brominated flame retardants and Dechlorane Plus in the North Sea, Atmos. Environ. 46 (0), 346-353 (DOI: 10.1016/j.atmosenv.2011.09.055)

10. Möller, A.; Sturm, R.; Xie, Z.; Cai, M.; He, J.; **Ebinghaus, R**. (2012): Organophosphorus flame retardants and plasticizers in airborne particles over the Northern Pacific and Indian Ocean toward the Polar Regions: Evidence for global occurrence, Environ. Sci. Technol. doi: 10.1021/es204272v

11. Möller, A., Xie, Z., Cai, M., Sturm, R., **Ebinghaus R**. (2012): Brominated Flame Retardants and Dechlorane Plus in the Marine Atmosphere from Southeast Asia toward Antarctica. Environ. Sci. Technol., 46, 3141–3148. doi: 10.1021/es300138q

12. Sheppard, C.R.C.; Ateweberhan, M.; Bowen, P.; Carr, P.; Chen, C.A.; Clubbe, C.; Craig, M.T., **Ebinghaus, R**.; Wolschke, H. et al. (2012): Reefs and islands of the Chagos Archipelago, Indian Ocean: why it is the world´s largest no-take marine protected area. Aquatic conservation: Marine Freshwater Ecosystems 22 (2), 232-261

13. Soerensen, A.L.; Jacob, D.J.; Streets, D.G.; Witt, M.L.I.; **Ebinghaus, R.;** Mason, R.P.; Andersson, M.; Sunderland, E.M. (2012): Multi-decadal decline of mercury in the North Atlantic atmosphere explained by changing subsurface seawater concentrations. Geophysical Research Letters 39, L21810 (doi:10.1029/2012GL053736)

14. Zhao, Z., Xie, Z., Möller, A., Sturm, R., Tang, J., Zhang, G., **Ebinghaus, R**. (2012): Distribution and long-range transport of polyfluoroalkyl substances in the Arctic, Atlantic Ocean and Antarctic coast Environmental Pollution, 170, 71-77

15. Zhong, G.; Xie, Z.; Cai, M.; Moeller, A.; Sturm, R.; Tang, J.; Zhang, G.; He, J.; **Ebinghaus, R.** (2012): Distribution and Air–Sea Exchange of Current-Use Pesticides (CUPs) from East Asia to the High Arctic Ocean, Environmental Science and Technology. 46 (1), 259 - 267 (DOI: 10.1021/es202655k)

16. Zhong, G.; Xie, Z.; Möller, A.; Halsall, C.; Caba, A.; Sturm, R.; Tang, J.; Zhang, G.; **Ebinghaus, R.** (2012): Currently used pesticides, hexachlorobenzene and hexachlorocyclohexanes in the air and seawater of the German Bight (North Sea). Environmental Chemistry, 9, 405-414

Published in 2011

1. Möller, A., Xie, Z., Caba, A., Sturm, R., **Ebinghaus, R.** (2011): Occurrence and air-seawater exchange of brominated flame retardants and Dechlorane Plus in the North Sea, Atmospheric Environment, doi:10.1016/j.atmosenv.2011.09.055

2. Wolschke, H., Xie, Z., Möller, A., Sturm, R., **Ebinghaus, R**. (2011): Occurrence, distribution and fluxes of benzotriazoles along the German large river basins into the North Sea, Water Research, doi:10.1016/j.watres.2011.09.028

3. Xie, Z., Kock, B.P., Möller, A., Sturm, R., **Ebinghaus, R.** (2011): Transport and fate of hexachlorocyclohexanes in the oceanic air and surface seawater, Biogeosciences 8, 2621-2633 www.biogeosciences.net/8/2621/2011/doi:10.5194/bg-8-2621-2011

4. Vierke, L., Ahrens, L., Shoeib, M., Reiner, E.J., Guo, R., Palm, W.U., **Ebinghaus, R.**, Harner, T. (2011): Air concentrations and particle-gas partitioning of polyfluoroalkyl compounds at a wastewater treatment plant, Environmental Chemistry 8, 363-371

5. Rubarth, J., Dreyer, A., Guse, N., Einax, J., **Ebinghaus, R.** (2011): Perfluorinated compounds in red-throated divers from the German Baltic Sea: new findings from their distribution in 10 different tissues, Environmental Chemistry 8, 419-428

6. 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, Environmental Science and Technology 45 (5), 1820-1826

7. Weinberg, I., Dreyer, A., **Ebinghaus, R**. (2011): Landfills as Sources of Polyfluorinated Compounds, Polybrominated Diphenyl Ethers and Musk Fragrances to Ambient Air. Atmospheric Environment, 45, 935-941

8. Zhao, Z., Zhong, G., Möller, A., Xie, Z., Sturm, R., **Ebinghaus, R.,** Tang, J., Zhang, G.: (2011):, Levels and distribution of Dechlorane Plus in coastal sediments of the Yellow Sea, North China, Chemosphere, 83 (7), 984-990

9. Weinberg, I., Dreyer, A., **Ebinghaus, R**. (2011): Waste Water Treatment Plants as Sources of Polyfluorinated Compounds, Polybrominated Diphenyl Ethers and Musk Fragrances to Ambient Air. Environmental Pollution, 159, 125-132.

10. Heue, K.-P. Brenninkmeijer,C.A.M., Baker, A. K., Rauthe-Schöch, A., Walter, D., Wagner, T., Hörmann, C., Sihler, H., Dix, B., Frieß, U., Platt, U., Martinsson, B. G., van Velthoven, P. F. J., Zahn, A., **Ebinghaus, R.** (2011): SO_2 and BrO observation in the plume of the Eyjafjallajökull volcano 2010: CARIBIC and GOME-2 retrievals, Atmospheric Chemistry and Physics, 11, 2973-2989

11. **Ebinghaus,R**., Jennings, S.G., Kock, H.H., Derwent R.G., Manning, A.J., Spain, T.G. (2011): Decreasing trends in total gaseous mercury observations in baseline air at Mace Head, Ireland from 1996 to 2009, Atmospheric Environment 45, 3475 – 3480

12. Slemr, F., Brunke, E.-G., **Ebinghaus, R**. and J. Kuss (2011): Worldwide trend of atmospheric mercury since 1995, Atmospheric Chemistry and Physics, 11, 4779–4787

13. Kratzer, J., Ahrens, L., Roos, A., Bäcklin, B.-M., **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 (11), 1592-1600

14. Möller, A., Xie, Z., Cai, M., Zhong, G., Huang, P., Cai, M., Sturm, R., He, J. and **Ebinghaus, R**. (2011): Polybrominated Diphenyl Ethers vs Alternate Brominated Flame Retardants and Dechloranes from East Asia to the Arctic, Environmental Science and Technology, 45 (16), 6793-6799

15. Möller, A., Xie, Z., Caba, A., Sturm, R., **Ebinghaus, R**. (2011): Organophosphorus flame retardants and plasticizers in the atmosphere of the North Sea, online published by Environmental Pollution, doi:10.1016/j.envpol.2011.07.022

16. Möller, A., Xie, Z., Sturm, R., **Ebinghaus, R**. (2011): Polybrominated diphenyl ethers (PBDEs) and alternative brominated flame retardants in Air and Seawater of the European Arctic, Environmental Pollution 159 (6), 1577-1583

Published in 2010

1. Möller, A., Xie, Z., Sturm, R, **Ebinghaus, R**., (2010): Large-Scale Distribution of Dechlorane Plus in Air and Seawater from the Arctic to Antarctica; Environmental Science & Technology, 44 (23), 8977- 8982

2. Vierke, L., Ahrens, L., Shoeib, M. Harner, T., Palm, W.-U., **Ebinghaus, R.** (2010): Kläranlagen als Quelle für polyfluorierte Verbindungen in der Atmosphäre, Studie, Mitt Umweltchem Ökotox, 16. Jahrg. 2010/ Nr. 4, 1-7

3. Ahrens, L., Xie, Z., and **Ebinghaus, R.**: (2010): Distribution of Perfluoroalkyl Compounds in Seawater from Northern Europe, Atlantic Ocean, and Southern Ocean, Chemosphere 78, 2010, pp. 1011-1016

4. 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, Marine Pollution Bulletin, Volume: 60 Issue: 2 Pages: 255-260

5. Brunke, E.-G., Labuschagne, C., **Ebinghaus, R.,** Kock, H.H., Slemr, F. (2010): Gaseous elemental mercury depletion events observed at Cape Point during 2007–2008¸ Atmos. Chem. Phys., 10, 1121–1131

6. Ahrens, L., **Ebinghaus, R.** (2010): Spatial distribution of polyfluoroalkyl compounds in dab (Limanda limanda) bile fluids from Iceland and the North Sea, Marine Pollution Bulletin, Volume: 60 Issue: 1 Pages: 145-148

7. Langer, V., **Ebinghaus R.** (2010): Determination of Octanol-Air-Partition Coefficients (K-OA) of Fluorotelomer Acrylates, Perfluoroalkyl Sulfonamids, and Perfluoroalkylsulfonamido Ethanols, Journal Of Chemical and Engineering data, Volume: 55 Issue: 3, 1461 - 1464

8. Ahrens, L., Taniyasu, S., Yeung, L.W.Y., Yamashita, N., Lam, P.K.S., **Ebinghaus, R.** (2010): Distribution of polyfluoroalkyl compounds in water, suspended particulate matter and sediment from Tokyo Bay, Japan, Chemosphere, 79, 266-272

9. Dreyer, A., Shoeib, M., Fiedler, S., Barber, J., Harner, T., Schramm, K., Jones, K., **Ebinghaus, R.** (2010): Field Intercomparison on the Determination of Volatile and Semi-volatile Polyfluorinated Compounds in Air. Environmental Chemistry, 7, 350-358.

10. Kirchgeorg, T., Weinberg, I., Dreyer, A., **Ebinghaus, R**. (2010):. Perfluorinated Compounds in marine Surface Waters: Data from the Baltic Sea and Methodological Challenges for further Studies. Environmental Chemistry, 7, 429-434.

11. Langer, V., Dreyer, A., **Ebinghaus, R**. (2010): Polyfluorinated compounds in residential and non- residential indoor air. Environmental Science & Technology, 44, 8075-8081.

12. Busch, J., Ahrens, L., Sturm, R., **Ebinghaus, R**. (2010): Polyfluoroalkyl compounds in landfill leachates. Environmental Pollution 158 (5):1467-1471.

13. Busch, J., Ahrens, L., Xie, Zy., **Ebinghaus, R**. (2010): Polyfluoroalkyl compounds in the East Greenland Arctic Ocean: Journal of Environmental Monitoring 12 (6):1242-1246.

14. Möller, A., Ahrens, L., Sturm, R., Westerveld, J., van der Wielen, F., **Ebinghaus, R**., de Voogt, P. (2010): Distribution and sources of polyfluoroalkyl substances (PFAS) in the River Rhine watershed. Environmental Pollution 158 (10): 3243-3250.

15. Sprovieri, F., Pirrone, N., **Ebinghaus, R**., Kock, H.H.., Dommergue, A. (2010): A review of worldwide atmospheric mercury measurements. Atmospheric Chemistry and Physics (17): 8245-8265.

16. Ahrens. L., Marusczakn N., Rubarth, J., Dommergue, A., Nedjai, R., Ferrari, C., **Ebinghaus, R.** (2010): Distribution of perfluoroalkyl compounds and mercury in fish liver from high-montain lakes in France originating form atmospheric deposition. Environmental Chemistry 7 (5):422-428.

17. Dreyer, A., Matthias, V., Weinberg, I., **Ebinghaus, R.** (2010): Wet deposition of poly- and perfluorinated compounds in Northern Germany. Environmental Pollution 158 (5): 1221-1227.

18. Dommergue, A., Sprovieri, F., Pironne, N., **Ebinghaus, R**., Brooks, S., Courteaud, J., Ferrari, C.P. (2010): Overview of mercury measurements in the Antarctic troposphere. Atmospheric Chemistry and Physics 10 (7): 3309-3319.

19. Sturm, R., Ebinghaus, R., Siebert, U. (2010): Organische Schadstoffe in der Meeresumwelt, World Ocean Review, Mit den Meeren leben. Vol. 1 Hamburg: Mare, 2010, 82 - 85. (ISBN: 978-3-86648-000-1)

20. Ahrens, L., Vorkamp, K., Lepom, P., Theobald, N., Ebinghaus, R., Bossi, R., Barber, J.L., McGovern, E. (2010): Determination of perfluoroalkyl compounds in water, sediment and biota, ICES Techniques, Marine Environmental Sciences, 48, i-iii, 1-15

Published in 2009

1. Möller, A., Ahrens, L., Sturm, R., **Ebinghaus, R.** (2009): Identification of point sources of polyfluoroalkyl compounds (PFCs) along the River Rhine watershed and their transportation into the North Sea" Coastline Reports 13 (2009): International approaches of coastal research in theory and practice

2. Slemr, F., **Ebinghaus, R.**, Brenninkmeijer, C.A.M., Hermann, M., Kock, H.H., Levine, I., Martinsson, B., Schuck, T., Sprung, D., van Velthoven, P., Zahn, A., Ziereis H., (2009): Gaseous mercury distribution in the upper troposphere and lower stratosphere observed during the CARIBIC flights from Frankfurt to southern China and to South America, Atmospheric Chemistry and Physics, 9 (6): 1957-1969

3. Dreyer, A, **Ebinghaus, R**. (2009): Polyfluorinated Compounds in Ambient Air from ship- and land-based measurements in northern Germany, Atmospheric Environment, 43 (8), 1527-1535

4. Dreyer, A., Weinberg, I., Temme, C., **Ebinghaus, R.** (2009): Polyfluorinated compounds in the atmosphereof the Atlantic and Southern Oceans: Evidence for a global distribution, Environmental Science & Technology, 43 (17): 6507-6514

5. Dreyer A, **Ebinghaus R** (2008): Polyfluorinated compounds is air samples of the German Bight and Hamburg, Organohalogen Compounds 70. 1259-1262 (conference proceedings für Dioxin 08 in Birmingham

6. Ahrens, L., Yamashita, N., Yeung, L.W.Y., Taniyasu, S., Horii, Y., Lam, P.K.S., **Ebinghaus, R**., (2009): Partitioning Behaviour of Per- and Polyfluoroalkyl Compounds between Pore Water and Sediment in Two Sediment Cores from Tokyo Bay, Japan, ES&T, Vol 43, 16, 6969-6975

7. Dreyer A, Langer V, **Ebinghaus R**. (2009): Determination of Octanol-Air-Partition Coefficients (KOA) of Fluorotelomer Acrylates, Perfluoroalkyl Sulfonamids, and Perfluoroalkylsulfonamido Ethanols. Journal of Chemical & Engeneering Data., Vol 54, 11, 3022-3025

8. Dreyer A, Matthias V, Temme, C., **Ebinghaus R**. (2009): Annual time-series of air concentrations of polyfluorinated compounds, Environmental Science & Technology. 43 (11): 4029-4036

9. Ahrens, L., Siebert, U., **Ebinghaus, R.** (2009): Temporal trends of polyfluoroalkyl compounds in harbor seals (*Phoca vitulina*) from the German Bight, Chemosphere, 76 (2): 151-158

10. Ahrens, l., Gerwinski, W., Theobald., F., **Ebinghaus, R**. (2009): Sources of polyfluoroalkyl compounds in the North Sea , Baltic Sea and Norwegian Sea: Evidence from their spatial distribution in surface water, Mar. Poll. Bull., on-line available

11. Ahrens, L., Siebert, U., **Ebinghaus, R**. (2009): Total body burden and tissue distribution of polyfluorinated compounds in harbor seals (Phoca vitulina) from the German Bight, Mar. Poll. Bull., 58 (4), 520-525

12. Ahrens, L., Barber, J., Xie, Z., **Ebinghaus, R**. (2009): Longitudinal and Latitudinal Distribution of Perfluoralkyl Compounds in the Surface Water of the Atlantic Ocean, Environmental Science & Technology, 43 (9), 3122-3127

13. Ahrens, L., Felizeter, S., Sturm, R., Xie, Z., **Ebinghaus, R**.. (2009): Polyfluorinated compounds in waste water treatment plants and surface water along the River Elbe, Germany, Marine Pollution Bulletin, 58, 1326-1333

14. Ahrens, L., Plassmann, M., Xie, Z., **Ebinghaus, R.** (2009): Determination of poly*fl*uoroalkyl compounds in water and suspended particulate matter in the river Elbe and North Sea, Germany, Front. Environ. Sci. Engin., 3(2): 152-170.

15. Ahrens, L., Felizeter, S., **Ebinghaus, R.** (2009): Spatial distribution of polyfluoroalkyl compounds in seawater of the German Bight, Chemosphere, 76 (2): 179-184

Published in 2008

1. **Ebinghaus, R.** (2008): Mercury Cycling in the Arctic – does enhanced deposition flux mean net-input ? Environmental Chemistry, 5. 2, 87-88

2. Xie, Z., **Ebinghaus, R.,** Caba, A., Flöser, G., Ruck, W. (2008): Occurrence and

distribution of triclosan in the North Sea. Environmental Pollution, submitted (ENVPOL-D-07-00463)

3. Dreyer, A., Jahnke, A., Temme, C., **Ebinghaus, R.** (2008): Poly and perfluorinated organic compounds in the atmosphere – analytics and distribution*, in*: *Roder, R., Sengl, M., Korner, W., Fromme, H., Volkel, W. (Eds.)*, Persistent perfluoro compounds – a risk for human health and environment, 183 -204

4. Slemr, F., Brunke, EG, Labuschagne, C., **Ebinghaus, R**. (2008): Total gaseous mercury concentrations at the Cape Point GAW station and their seasonality, Geophysical Research Letters, 35, 11, L11807

5. Steffen, A., Douglas, T., Amyot, M., Ariya, P., Aspmo, K., Berg, T., Bottenheim, J., Brooks, S., Cobbett, F., Dastoor, A., Dommergue, A., **Ebinghaus, R.,** Ferrari, C., Gardfeldt, K., Goodsite, M.E.,, Lean, D., Poulain, A.J., Scherz, C., Skov, H., Sommar J. and Temme, C. (2008): A synthesis of atmospheric mercury depletion event chemistry in the atmosphere and snow, Atmospheric Chemistry and Physics, Vol 8, Issue 6, 1445-1482

6. Xie, Z., **Ebinghaus, R**. (2008): Analytical methods for the determination of emerging organic contaminants in the atmosphere, Analytica Chimica Acta, Volume 610, Issue 2, 10 March 2008, Pages 156-178

7. Dreyer, A., Temme, C., Sturm, R, and **Ebinghaus, R**. (2008): Optimized Method avoiding solvent-induced Response Enhancement in the Analysis of volatile and semi-volatile polyfluorinated alkylated Compounds using GC-MS, Journal of Chromatography A, Vol 1178, Issue 1-2, 199-205

8. Sabine Thuens, Dreyer, A., Sturm, R., Temme, C., and Ebinghaus, R. (2008): Determination of Octanol Air Partition Coefficents (Koa) of Fluourotelomer Alcohols. Journal of Chemical & Engineering Data, Vol 53, 1, 223-227

Published in 2007

1. Xie, Z., **Ebinghaus, R.,** Lohmann, R., Caba, A., Püttmann, W. (2007): Trace determination of the flame retardant tetrabromobisphenol A in the atmosphere by gas chromatography-mass spectrometry with derivatization, Analytica Chim. Acta, 584, 333-342

2. Lindberg, S., Bullock, R., **Ebinghaus, R**., Engstrom, D.; Feng, X.; Fitzgerald, W.; Pirrone, N.; Prestbo, E.M.; Seigneur, C, (2007): A synthesis of progress and uncertainties in attributing the sources of mercury in deposition, Ambio, 36, 1, 19 - 32

3. Dommergue, A., Bahlmann, E., **Ebinghaus, R.,** Ferrari, C., Boutron, C. (2007): Laboratory simulation of Hg(0) emissions from snow pack, Analytical and Bioanalytical Chemistry, DOI 10.1007/s00216-007-1186-2, Vol. 388, 2, 319-327

4. Jahnke, A., Ahrens, L., **Ebinghaus, R**., Berger, U., Barber, J.L., Temme, C.: (2007): An improved method for the analysis of volatile polyfluorinated alkyl substances in environmental samples, Analytical and Bioanalytical Chemistry, 387:965–975

5. Faïn, X., Grangeon, S., Bahlmann, E., Fritsche, J., Obrist, D., Dommergue, A., Ferrari, C.P., Cairns, W., **Ebinghaus, R**., Barbante, C., Cescon, P. and Boutron, C. (2007): Diurnal production of gaseous mercury in the Alpine snowpack before snowmelt, Journal of Geophysical Research, Vol. 112, D 21, D21311

6. Jahnke, A., Ahrens, L., **Ebinghaus, R.,** Temme, C. (2007): Urban versus remote air concentrations of fluorotelomer alcohols and other polyfluorinated alkyl substances in Germany Environ. Sci. Technol., 41, 745-752

7. Jahnke, A., Berger, U., **Ebinghaus, R.,** Temme, C. (2007): Latitudinal gradient of airborne polyfluorinated alkyl substances in the marine atmosphere between Germany and South Africa (53o N-33o S), Environ. Sci. Technol, Vol 41, 9, 3055-3061

8. Wängberg, I; Munthe, J.; Berg, T.; **Ebinghaus, R.;** Kock, H.H.; Temme, Bieber, E.; Spain, T.G.; Stolk, A. (2007): Trends in Air Concentrations and Deposition of Mercury in the Coastal Environment of the North Sea Area, Atmospheric Environment, 41, 2612-2619

9. Xie, Z., **Ebinghaus, R.,** Temme, C., Lohmann, R., Caba, A., Ruck, W. (2007): Occurrence and air-sea exchange of phthalates in the Arctic, Env. Science & Technol., 41, 13, 4555-4560.

10. Xie, Z., **Ebinghaus, R.,** Temme, C., Caba, A., (2007): Air-sea exchange fluxes of synthetic polycyclic musks in the North Sea and the Arctic, Env. Science & Technol., 41 (16); 5654-5659, DOI 10.1021/es0704434

11. **Ebinghaus, R**., Slemr, F., Brenninkmeijer, C.A.M., van Velthoven, P. Zahn, A., Hermann, M. (2007) Emissions of gaseous mercury from biomass burning in South America in 2005 observed during the CARIBIC flights, Geophys. Res. Lett., 34, L08813, doi:10.1029/2006GL028866, Vol. 34, 8, L08813

12. Brenninkmeijer, C.A.M. P., Crutzen, T., Dauer, D.B., **Ebinghaus, R**., Filippi, D., Fischer, H., Franke, H., Freiß, U. J., Heintzenberg, H.M., Kock, H.H., Leuenberger, M., Martinsson, B.G., Miemczyk, S., Nguyen, H.N., Oram, D., O'Sullivan, S., Penkett, U., Platt, M., Pupek, M., Ramonet, B., Reichelt, R.M., Rhee, T.S., Rohwer, J., Rosenfeld, K., Scharffe, D., Schlager, H., Schumann, U., Slemr, F., Sprung, D., Stock, P., Thaler, R., van Velthoven, P., Waibel, A., Wandel, A., Waschitschek, K., Wiedensohler, A., Zahn, A., Zech, U., Ziereis H.(2007): Civil Aircraft for the Regular Investigation of the Atmosphere Based on an Instrumented Container; the new CARIBIC system, Atmospheric Chemistry and Physics, 7, 5277–5339, 2007

Published in 2006

1. Slemr, F., **Ebinghaus, R**., Simmonds, P.G. and Jennings, S.G. (2006): European emissions of mercury derived from long-term observations at Mace Head, on the western Irish coast, Atmospheric Environment, 40 (36), 6966-6974

2. **Ebinghaus, R**. und Temme C. (2006): Ausbreitung von Schadstoffen in die Polarregionen, in: Warnsignale aus den Polarregionen, Lozan, J.L.; Graßl, H.; Hubberten, H.-W.; Hupfer, P.; Piepenburg, D. (eds.), 264-269

3. **Ebinghaus, R**. and Xie, Z. (2006): Occurrence and air/sea-exchange of novel organic pollutants in the marine environment, Journal de Physique IV, 139, 215-241

4. Xie, Z., Selzer, J., **Ebinghaus, R**., Caba, A., Ruck, W. (2006): Development and validation of a method for the determination of trace alkylphenols and phthalates in sea water and air using GC-MS, Analytica Chimica Acta 565, 198-207.

5. Xie, Z., Lakaschus, S., **Ebinghaus, R**., Caba, A., Ruck, W. (2006): Atmospheric concentrations and air-sea exchange of nonylphenol, tertiary octylphenol and nonylphenol monoethoxylate in the North Sea, Environmental Pollution, 142, 170-180

6. Frank, C., Schroeder, F., **Ebinghaus, R**., Ruck, W. (2006): Using sequential injection analysis for fast determination of phosphate in coastal waters, Talanta, 70 (3): 513-517

7. Frank, C., Schroeder, F., **Ebinghaus, R**., Ruck, W. (2006): A fast sequential injection analysis system for the simultaneous determination of ammonia and phosphate, Microchimica Acta, 154, 31-38.

8. Bahlmann, E., **Ebinghaus, R.**, Ruck, W. (2006): Development and Application of a Laboratory Flux Measurement System (LFMS) for the Investigation of the Kinetics of Mercury Emissions from Soils, Journal of Environmental Management, 81, 114 – 125.

9. Coggins, A.M., Jennings, S.G. and **Ebinghaus, R**. (2006): Accumulation rates of the heavy metals lead, mercury and cadmium in ombrotrophic peatlands in the west of Ireland, Atmospheric Environment, 40, 260-270

Published in 2005

1. Kock H.H., Bieber E., **Ebinghaus R**., Spain T.G. and Thees B. (2005): Comparison of long-term trends and seasonal variations of atmospheric mercury concentrations at the two European coastal monitoring stations Mace Head, Ireland and Zingst, Germany, Atmospheric Environment, 39, 7549-7556

2. Aspmo, K., Gauchard, P.-A., Steffen, A., Temme, C., Berg, T., Bahlman, E., Banic, C., Dommergue, A., **Ebinghaus, R**., Ferrari, C., Pirrone, N., Sprovieri, F., Wibetoe, (2005): Measurements of atmospheric mercury species during an international study of mercury depletion events at Ny-Ålesund, Svalbard, 2003. How reproducible are our present methods ?, Atmospheric Environment, 39, 7607-7619

3. Gauchard, P-A., Aspmo, K., Temme, C., Steffen, A., Ferrari, C., Berg, T., Ström,

Dommergue, J., Bahlmann, E., Magand, O., Planchon, F., **Ebinghaus, R**., Banic, C., Nagorski, S., Baussand, P., Boutron, C.F. (2005): Study of the origin of Atmospheric Mercury Depletion Events recorded in Ny-Ålesund, Svalbard, spring 2003, Atmospheric Environment, 39, 7620 - 7632

4. Ferrari, C.P., Gauchard, P-A., Aspmo, K., Dommergue, A., Magand, O., Nagorski, S., Temme, C., Bahlmann, E., **Ebinghaus, R**., Steffen, A., Banic, C., Berg, T., Planchon, F., Barbante, C., Cescon, P. and Boutron, C.F. (2005): Snow-to-air exchanges of mercury in an Arctic seasonal snow pack in Ny-Ålesund, Svalbard, spring 2003, Atmospheric Environment, 39, 7633 - 7645

5. Xie, Z., **Ebinghaus, R**., Temme, C., Caba, A., Ruck, W. (2005): Atmospheric concentrations and air-sea exchange of phthalates in the North Sea (German Bight), Atmospheric Environment, 39, 3209 – 3219

6. **Ebinghaus, R**., Kock, H.H., Munthe, J., Wängberg, I. (2005): Spatial and Temporal Variability of Atmospheric Mercury in North-western and Central Europe - Observations on Different Time Scales, In: " Dynamics of Mercury Pollution on Regional and Global Scales - Atmospheric Processes and Human Exposures around the World " Contribution to Global Mercury Assessment of the United Nations Environment program (UNEP GMA), Springer Verlag

7. Kim, K.-H., **Ebinghaus, R.,** Schroeder, W.H., Blanchard, P., Kock, H.H., Steffen, A., Froude, F.A., Kim, M.-Y., Hong, S., Kim, J.-H. (2005): Atmospheric mercury concentrations from several observatory sites in the Northern Hemisphere, Journal of Atmospheric Chemistry, 50, 1 – 24

8. **Ebinghaus, R**., Pirrone, N., Lindberg, S.E. (2005): 7th International Conference on Mercury as a Global Pollutant, Atmospheric Environment, 39, 7449-7450.

Published in 2004

1. **Ebinghaus, R**., Temme, C., Einax, J. (2004): Du mercure aux poles, Pour la Science, 322, Août 2004, 2 – 8.

2. **Ebinghaus, R.,** Temme, Ch., Lindberg, S.E., Scott, K. (2004): Springtime Accumulation Of Atmospheric Mercury In Polar Ecosystems, Journal de Physique, 121, 195-208

3. Temme, C., **Ebinghaus, R**., Einax, J.W., Steffen, S. and Schroeder, W.H. (2004): Application of time series analysis on long-time data sets of atmospheric mercury concentrations at two different sites, Anal Bioanal Chem (2004) 380: 493–501 DOI 10.1007/s00216-004-2715-x

4. **Ebinghaus, R.** Temme, C., Einax, J.W. (2004): Verschmutzung der Pole mit Quecksilber, Spektrum der Wissenschaft, Mai 2004, 72-79

5. Xie, Z., Le Calvé, S., Feigenbrugel, V., Preuß, T., Vinken, R., **Ebinghaus, R**., Ruck, W. (2004): Henry's Law Constants measurements of the nonylphenol isomer 4(3',5'-dimethyl-3'heptyl)-phenol, tertiary octylphenol and „-hexachlorocyclohexane between 278-298 K, Atmos. Env., 38, 4859-4868

Published in 2003

1. Temme, Ch., Einax, J.W., **Ebinghaus, R.**, Schroeder, W.H. (2003): Measurements of Atmospheric Mercury Species at a Coastal Site in the Antarctic and over the South Atlantic Ocean during Polar Summer, Environmental Science and Technology, 37, 22-31

2. Bahlmann E, **Ebinghaus, R.,** Process studies on mercury fluxes over different soils with a Laboratory Flux Measurement System (LFMS), JOURNAL DE PHYSIQUE IV, 107: 99-102 Part 1 MAY 2003

3. Munthe, J., Wängberg, I., Iverfeldt, Å., Lindqvist, O., Strömbereg, D., Sommar, J., Gårdfeldt, K., Petersen, G., **Ebinhaus, R**., Prestbo, E., Larjava, K., Siemens, V. (2003): Distribution of atmospheric mercury species in Northern Europe: final results from the MOE project, Atmospheric Environment, Supplement No. 1 S9-S20

4. Schroeder, W.H., Steffen, A., Scott, K., Bender, T. Prestbo, E., **Ebinghaus., R**., Lu, J.Y., Lindberg, S.E. (2003): Summary report: First international Arctic atmospheric mercury research workshop, Atmospheric Environment, 37, 2551-2555

5. Temme, Ch., Slemr, F., **Ebinghaus, R**. and Einax, J.W. (2003): Distribution of mercury over the Atlantic Ocean in 1996 and 1999-2001, Atmospheric Environment 37/14 pp. 1889-1897

6. Wangberg I, Munthe J, **Ebinghaus R,** Gardfeldt K, Iverfeldt A, Sommar J.: (2003): Distribution of TPM in northern Europe, SCI TOTAL ENVIRON 304 (1-3): 53-59

7. Slemr, F., Brunke, E., **Ebinghaus, R**., Temme, Ch., Munthe, J., Wängberg, I., Schroeder, W., Steffen, A., Berg, T. (2003): Worldwide trend of atmospheric mercury since 1977, Geophysical Research Letters, Vol. 30, No. 10, 1516, doi:10.1029/2003GL016954, 2003

Published in 2002

1. **Ebinghaus, R.,** Kock, H.H., Temme, Ch., Einax, J.W., Löwe, A.G., Richter, A., Burrows, J.P., Schroeder, W.H. (2002): Antarctic springtime depletion of atmospheric mercury, Environmental Science and Technology, 36, 1238-1244

2. **Ebinghaus, R**., Kock, H.H., Coggins, A.M., Spain, T.G., Jennings, S.G., Temme, Ch. (2002): Long-term measurements of atmospheric mercury at Mace Head, Irish west coast between 1995 and 2001, Atmospheric Environment, 36, 5267-5276

3. Ryaboshapko, A., Bullock, R., **Ebinghaus, R.,** Ilyin, I., Lohman, K., Munthe, J., Petersen, G., Seigneur, C., Wängberg, I. (2002): Comparison of Mercury Chemistry Models, Atmospheric Environment, Vol. 36, 24, 3881-3898

4. **Ebinghaus, R.,** Temme, Ch., Kock., H.H., Löwe, A., Schroeder, W.H. (2002): First annual time series of atmospheric mercury concentration measurements at Neumayer station, Antarctica, In: P.M. Midgley, M. Reuther (Eds.) Transport and chemical transformation in the troposphere, Markgraf Verlag, Weikersheim, 265 ff (CD-ROM)

5. Kock., H.H., **Ebinghaus, R**., Heisterkamp, I., Rosenfeld, H., Ruck, W. (2002): Determination of vapor-phase PAH in ambient air, In: P.M. Midgley, M. Reuther (Eds.) Transport and chemical transformation in the troposphere, Markgraf Verlag, Weikersheim, 265 ff (CD-ROM)

6. Temme, C., **Ebinghaus, R**., Kock, H.H., Löwe, A.G., Einax, J.W. (2002): Dynamic species transformations of atmospheric mercury during Antarctic summer,

In: P.M. Midgley, M. Reuther (Eds.) Transport and chemical transformation in the troposphere, Markgraf Verlag, Weikersheim, 265 ff (CD-ROM)

7. Wallschläger, D., Kock, H.H., Schroeder, W.H., Lindberg, S.E., **Ebinghaus, R**. and Wilken, R.D. (2002): Estimating gaseous mercury emissions from contaminated floodplain soils to the atmosphere with simple field measurement techniques, Water, Air Soil Poll., 135, 39-54.

8. **Ebinghaus, R.**, Kock, H.H., Temme, Ch. (2002): Einsatz von automatisierten Quecksilber-Luftanalysatoren in Umweltforschung und –monitoring, VDI Berichte, 1656, 211-224, ISBN 3-18-091656-7

Published in 2001

1. Wängberg, I., Schmolke, St., Schager, P., Munthe, J., **Ebinghaus, R.** and Iverfeldt, Å. (2001): Estimates of air-sea exchange of mercury in the Baltic Sea. Atmospheric Environment Vol 35/32, pp 5477-5484

2. **Ebinghaus, R**., Kock, H.H., Schmolke, S.R. (2001): Measurements of atmospheric mercury with high time resolution: Recent applications in environmental research and monitoring, Fresenius' Journal of Analytical Chemistry, Vol 371, 6, 806-815, 2001,

3. Ryaboshapko, A., Ilyin, I., Bullock, R., **Ebinghaus, R.,** Lohman, K., Munthe, J., Petersen, G., Seigneur, Ch., Wängberg, I. (2001): Intercomparison Study of Numerical Models for Long-Range Atmospheric Transport of Mercury, Co-operative Programme for Monitoring and Evaluation of the Long-Range Transmission of Air Pollutants in Europe, EMEP Technical Report 2/2001, Meteorological Synthezising Centre East, Moscow, Russia

4. Munthe, J., Wängberg, I., Pirrone, N., Iverfeldt, A., Ferrara, R., Costa, P., **Ebinghaus, R**., Feng, X., Gardfelt,K., Keeler, G., Lanzillotta. E., Lindberg, S.E., Lu, J., Mamane, Y., Nucaro, E., Prestbo, E., Schmolke, S.R., Schroeder, W.H., Sommer, J., Sprovieri, F., Stevens, R.K., Stratton, W., Tuncel, G., Urba; A. (2001) Intercomparison of methods for sampling and analysis of atmospheric mercury species. Atmos. Envionment, Vol 35/17, 3007-3017
5. Wängberg, I., Munthe, J., Pirrone, N., Iverfeldt, Å., Bahlmann, E., Costa, P., **Ebinghaus, R.**, Feng, X., Ferrara, R., Gårdfeldt, K., Kock, H.H., Lanzillotta, E., Mamane, Y., Mas, F., Melamed, E., Osnat, Y. , Prestbo E., Sommar, J., Spain, G.,

Sprovieri, F., Tuncel, G. (2001): Atmospheric Mercury Distribution In Northern Europe and in the Mediterranean Region, . Atmos. Environment, 35, 3019-3025.

6. Elsholz, O., Frank, C., Stachel, B., Reincke, H., **Ebinghaus, R**. (2001): Sequential injection standard addition for on-line measurement of mercury in the river Elbe, Anal. Chim. Acta, 21190, 1-8.

7. Wurl, O., Elsholz, O., **Ebinghaus, R.** (2001): On-line determination of total mercury in the Baltic Sea, Anal. Chim Acta, 438, 245-249

Published in 2000

1. **Ebinghaus, R**. and Slemr, F. (2000): Aircraft measurements of atmospheric mercury over South and East Germany, Atmospheric Environment, 34-6, 895-903

2. **Ebinghaus, R.,** Kock, H.H.; Hempel, M. (2000): Bestimmung von Quecksilber in Umgebungsluft mit Hilfe von zeitlich hochauflösenden on-line Verfahren, Gefahrstoffe - Reinhaltung der Luft, 60, 5, 205-211.

3. **Ebinghaus, R.,** Schmolke, S.R. (2000): Spatial and temporal variability of atmosperic mercury concentrations in northwestern and central Europe, Proceedings of the NIMD Forum 1999, National Institute for Minamata Disease, Minamata, Japan, 173-197.

4. Wallschläger, D., Kock, H.H., Schroeder, W.H., Lindberg, S.E., **Ebinghaus, R.** and Wilken, R.D. (2000). Mechnism and significance of mercury volatilization from contaminated floodplains of the German river Elbe, Atmos. Environment, 34 (22), 3745-3755.

5. Elsholz, O., Frank, C., Matyschok, B., Steiner, F., Wurl, O., Stachel, B., Reincke, H., Schulze, M., **Ebinghaus, R.,** Hempel, M. (2000): On-line determination of mercury in river water at the German monitoring station Schnackenburg/Elbe, Fresenius J Analytical Chemistry, 366: 196-199
6. Wurl, O.; Elsholz, O.; **Ebinghaus, R**. (2000): Flow-system device for the on-line determination of total mercury in seawater, Talanta, 52, 51-57

Published in 1999

1. **Ebinghaus, R**., Jennings, S.G., Schroeder, W.H., Berg, T., Donaghy, T., Guentzel, J., Kenny, C., Kock, H.H., Kvietkus, K., Landing, W., Munthe, J., Prestbo, E.M., D. Schneeberger, F. Slemr, J. Sommar, A. Urba, D. Wallschläger, Z. Xiao (1999): International field intercomparison measurements of atmospheric mercury species at Mace Head, Ireland, Atmospheric Environment, 33 , 3063-3073

2. **Ebinghaus, R**., Kock, H.H., Jennings, S.G., Coggins, A.M. und Spain, T.G. (1999): Long term measurements of total gaseous mercury at Mace Head, Ireland, Proceedings of the EUROTRAC Symposium ,98, Editors: P.M. and P. Borrell, WITpress, Southampton, 1999, 344-347

3. Schmolke, S.R., Munthe, J., Wängberg, I., Schager, P., Kock, H.H. Otten, S. und **Ebinghaus R.** (1999): Estimates of the air-sea exchange of mercury in the Baltic Sea derived from ship measurements, Proceedings of the EUROTRAC Symposium ,98, Editors: P.M. and P. Borrell, WITpress, Southampton, 1999, 348-352

4. **Ebinghaus, R**., Tripathi, R.M., Wallschläger, D. and Lindberg, S. E. (1999): Natural and Anthropogenic Mercury Sources and their Impact on the air-surface exchange of mercury on regional and global scales, In: Ebinghaus, R., Turner, R.R., Lacerda, D., Vasiliev, O., Salomons, W. (eds.): Mercury Contaminated Sites—Characterization, Risk Assessment and Remediation, Springer Verlag Berlin Heidelberg New York, 1999, ISBN 3-540-63731-1, pp. 3-50

5. Lindberg, S.E.; Zhang, H.; Casimir, A.; **Ebinghaus, R.;** Edwards, G.; Fitzgerald, C.; Gustin, M.; Kemp, J.; Kock, H.H.; Lindberg, S.E.; London, J.; Majewski, M.; Marsik, F.; Owens, J.; Poissant, L.; Pilote, M.; Rasmussen, P.; Schaedlich, F.; Sommar, J.; Turner, R.; Vette, A.; Wallschläger, D.; Xiao, Z. (1999): Increases in mercury emissions from desert soils in response to rainfall and irrigation , Journ. Geophysic. Res, Vol. 104, No D17, 21879-21888.

6. Wallschläger, D.; Turner, R.; **Ebinghaus, R**.; Kock, H.H.; Sommar, J.; Xiao, Z. (1999): Factors affecting the measurement of mercury emissions from soils with flux chambers Journ. Geophysic. Res, Vol. 104, No D17, 21859-21871.

7. **Ebinghaus, R**. (1999): Quecksilberausbreitung über den Luftpfad, In: Handbuch zur Sanierung von quecksilberbelasteten Standorten, Umweltbundesamt, Projektträger Abfallwirtschaft und Altlastensanierung des BMBF, 102-129.

8. **Ebinghaus, R**. und Hempel, M. (1999): Analytik von Quecksilber und seinen Verbindungen, In: Handbuch zur Sanierung von quecksilberbelasteten Standorten, Umweltbundesamt, Projektträger Abfallwirtschaft und Altlastensanierung des BMBF, 138-167.

9. Krüger, O., **Ebinghaus, R.,** Kock, H.H., Richter-Politz, I. and Geilhufe, Ch. (1999): Inverse Modelling of Gaseous Mercury Emissions at the Contaminated Industrial Site BSL Werk Schkopau, In:Ebinghaus, R., Turner, R.R., Lacerda, D., Vasiliev, O., Salomons, W. (eds.): Mercury Contaminated Sites—Characterization, Risk Assessment and Remediation, Springer Verlag Berlin Heidelberg New York, 1999, ISBN 3-540-63731-1, pp. 377-392

10. Gustin, M.S.; Casimir, A.; **Ebinghaus, R**.; Edwards, G.; Fitzgerald, C.; Kemp, J.; Kock, H.H.; Lindberg, S.E.; London, J.; Majewski, M.; Marsik, F.; Owens, J.; Poissant, L.; Pilote, M.; Rasmussen, P.; Schaedlich, F.; Schneeberger, D.; Sommer, J.; Turner, R.; Vette, A.; Wallschläger, D.; Xiao, Z. (1999): The Nevada SToRMS Project: Measurement of mercury emissions from naturally enriched surfaces, Journ. Geophysic. Res, Vol. 104, No D17, 21831-21844

11. Schmolke, S., Schroeder, W.H., Munthe, J., Kock, H.H., Schneeberger, D.and **Ebinghaus, R.** (1999): Simultaneous measurements of Total Gaseous Mercury at four sites on a 800 km transect: Spatial distribution and short time variability of Total Gaseous Mercury over Central Europe, Atmospheric Environment, 33, 1725 - 1733.

Published in 1997

1. Leermakers, M., Baeyens, W., **Ebinghaus, R.,** Kuballa, J., Kock H.H. (1997): Determination of Atmospheric Mercury during the North Sea Experiment, Water, Air and Soil Pollution, 97, pp. 257-263

Published in 1996

1. **Ebinghaus, R.,** Krüger, O. (1996): Emission and Local Deposition Estimates of Atmospheric Mercury in North Western and Central Europe, 135 - 159. in: W. Baeyens, R.Ebinghaus, and O.Vasiliev (eds.): Global and Regional Mercury Cycles: Sources, Fluxes and Mass Balances. NATO-ASI-Series, 2. Environment - Vol. 21, Kluwer Academic Publishers, Dordrecht, The Netherlands

2. **Ebinghaus, R**., Kock, H.H. (1996): Neuere Verfahren zur Analytik von Quecksilber in Luft, Gefahrstoffe - Reinhaltung der Luft, 56, 179 - 183.

3. **Ebinghaus, R**., Wilken R.-D. (1996): Mercury distribution and speciation in a polluted fluvial system, In: Sediments and Toxic Substances: Environmental Effects and Ecotoxicity, W. Calmano and U. Förstner (eds), Springer Verlag Berlin Heidelberg, pp. 215 - 244.

Published in 1995

1. Kuballa, J., Griebe, T., **Ebinghaus, R.,** Wilken, R.-D. (1995): Sorption von Tributylzinn an Biofilme aus der Elbe, Vom Wasser, 85, 11-20.

2. **Ebinghaus, R.,** Kock, H.H., Jennings, S.G., McCartin, P. and Orren, M.J. (1995): Measurements of Atmospheric Mercury Concentrations in Northwestern and Central Europe --- Comparison of Experimental Data and Model Results, Atmospheric Environment, Vol. 29, No. 22, pp. 3333 - 3344.

3. Schroeder, W.H., **Ebinghaus, R**., Shoeib, M., Timoschenko, K. and Barrie, L.A. (1995): Atmospheric Mercury Measurements in the Northern Hemisphere from 56 ° to 82.5 °N Latitude. Water, Air and Soil Pollution, 80, 1217-1226, Special Volume "Mercury as a Global Pollutant" (Porcella, D.B., Huckabee, J.W. and Wheatley, B. (eds.)).

4. Wilken, R.-D.; **Ebinghaus, R**.; Krüger, O.; Kock, H.H. (1995): Atmospheric mercury dispersion in the vicinity of a partly inactive chlor-alkali-plant, In: EPRI/DOE International Conference on Managing Hazardous and Particulate Air Pollutants; Ed. Charles J. Drum mond, Book 1, August 15 -17, 1995, Toronto, Canada

Published in 1994

1. **Ebinghaus, R.,** Hintelmann, H., Wilken, R.-D. (1994): Mercury Cycling in surface waters and in the atmosphere --- Species-analysis for the investigation of transformation- and transport properties of mercury, Fresenius J Anal Chem, 350, Vol. 1-2, S. 21-29

2. **Ebinghaus, R**., Wilken, R.-D., Gisder, P. (1994): Untersuchungen zur Entstehung von Monomethylquecksilber(II) in der Elbe, Vom Wasser, 82, 19-35.

3. Timoschenko, K., **Ebinghaus, R.** (1994): Air chemistry: Determination of atmospheric mercury and aerosol black carbon, Berichte zur Polarforschung, 134, H. Eicken u. J. Meincke (Eds.) S. 48-52.

Published in 1993

1. **Ebinghaus, R**., Wilken, R.-D. (1993): Formation and Decomposition of methylmercury in the presence of bacteria. Proceedings International Conference on Heavy Metals in the Environment, Toronto - September 1993, Vol. 2, 305-308

2. **Ebinghaus, R**. und Wilken, R.-D. (1993): Transformations of mercury species in the presence of Elbe river bacteria. Appl. Organomet. Chem. Vol. 7, 127-135.

3. Hintelmann, H., **Ebinghaus, R**., Wilken, R.-D. (1993): Accumulation of Mercury (II) and Methylmercury by Microbial Biofilms. Wat. Res. 27, p. 237-242.

Published in 1992

1. **Ebinghaus, R**. (1992): Aufnahme und Umwandlung von Quecksilber(II)- und Methylquecksilberchlorid durch Schwebstoffbakterien und mikrobielle Biofilme—Untersuchungen zum Speziesverhalten des Quecksilbers in wäßrigen Systemen, Dissertation Universität Hamburg, GKSS 92/E/48, ISSN 0344-9629.

Published in 1991

1. **Ebinghaus, R.,** Wilken, R.-D., Chau, Y.K., Liu, D. (1991): Extraction of adenine nucleotides from bacteria. NWRI Contribution 91-53, 11 p.

Published in 1990

1. Wilken, R.-D., Hintelmann, H., **Ebinghaus, R**. (1990): Biologische Quecksilberumsetzungen in der Elbe. Vom Wasser, 74, S. 383-392.

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 Glaciology 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 Glaciology 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 Glaciology 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 Glaciology 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 ? 39th 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, 39th 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? 8th 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 Umwelsystemwissenschaften, 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, Umwelsystemforschung, 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 Verbindumgen (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 impacton 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 Toxikilogie, 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.