

## Full Publication list for Åke Bergman (September 20, 2017)

(Approx. 470 Scientific contributions; H-Index 65)

Wu Y, Zhou YH, Qiu YL, Chen D, Zhu ZL, Zhao JF, Bergman Å (2017) Occurrence and risk assessment of trace metals and metalloids in sediments and benthic invertebrates from Dianshan Lake, China. *Environmental Science and Pollution Research*, 24(17):14847-14856. DOI: 10.1007/s11356-017-9069-3

Zhou YH, Yin G, Asplund L, Stewart K, Rantakokko P, Bignert A, Ruokojarvi P, Kiviranta H, Qiu YL, Ma ZJ, Bergman Å (2017) Human exposure to PCDDs and their precursors from heron and tern eggs in the Yangtze River Delta indicate PCP origin. *Environmental Pollution*, 225: 184-192. DOI: 10.1016/j.envpol.2017.03.052

Yin G, Athanassiadis L, Bergman Å, Zhou YH, Qiu YL, Asplund L (2017) A refined method for analysis of 4,4'-dicofol and 4,4'-dichlorobenzophenone. *Environmental Science and Pollution Research*, 24(15):13307-13314. DOI: 10.1007/s11356-017-8956-y

Engdahl JN, Bignert A, Jones B, Athanassiadis I, Bergman Å, Weiss JM (2017) Cats' Internal Exposure to Selected Brominated Flame Retardants and Organochlorines Correlated to House Dust and Cat Food. *Environmental Science & Technology*, 51(5):3012-3020. DOI: 10.1021/acs.est.6b05025

Solecki R, Kortenkamp A, Bergman Å, Chahoud I, Degen G, Dietrich D, Greim H, Håkansson H, Hass U, Husoy T, Jacobs M, Jobling S, Mantovani A, Marx-Stoelting P, Piersma A, Slama R, Stahlmann R, van den Berg M, Zoeller RT, Boobis, A (2017) Scientific principles for the identification of endocrine-disrupting chemicals: a consensus statement. *Arch Toxicol*. 91:2, 1001-1006 DOI 10.1007/s00204-016-1866-9

Kortenkamp A, Bourguignon JP, Slama R, Bergman A, Demeneix B, Ivell R, Panzica G, Trasande L, Zoeller RT (2016). EU regulation of endocrine disruptors: a missed opportunity. *Lancet Diabetes & Endocrinology*, 4(8):649-650.

Vandenberg LN, Agerstrand M, Beronius A, Beausoleil C, Bergman A, Bero LA, Bornehag CG, Boyer CS, Cooper GS, Cotgreave I, Gee D, Grandjean P, Guyton KZ, Hass U, Heindel JJ, Jobling S, Kidd KA, Kortenkamp A, Macleod MR, Martin OV, Norinder U, Scheringer M, Thayer KA, Toppari J, Whaley P, Woodruff TJ, Ruden C (2016). A proposed framework for the systematic review and integrated assessment (SYRINA) of endocrine disrupting chemicals. *Environmental Health*, 15. doi: 10.1186/s12940-016-0156-6

Bourguignon J-P, Slama R, Bergman Å, Demeneix B, Ivell R, Kortenkamp A, Panzica G, Trasande L, Zoeller RT (2016). Science-based regulation of endocrine disrupting chemicals in Europe: which approach? *Lancet Diabetes Endocrinol* (2016) Online June 13, 2016; [http://dx.doi.org/10.1016/S2213-8587\(16\)30121-8](http://dx.doi.org/10.1016/S2213-8587(16)30121-8)

Meng XZ, Venkatesan AK, Ni YL, Steele JC, Wu LL, Bignert A, Bergman Å, Halden RU (2016) Organic Contaminants in Chinese Sewage Sludge: A Meta-Analysis of the Literature of the Past 30 Years. *Environ Sci Technol*. Jun 7;50(11):5454-66. doi: 10.1021/acs.est.5b05583. Epub 2016 May 13.

Lind L, Lind PM, Lejonklou MH, Dunder L, Bergman Å, Guerrero-Bosagna C, Lampa E, Lee HK, Legler J, Nadal A, Pak YK, Phipps RP, Vandenberg LN, Zalko D, Ågerstrand M, Öberg M, Blumberg B, Heindel JJ,

Birnbaum LS. (2016). Uppsala Consensus Statement on Environmental Contaminants and the Global Obesity Epidemic. *Environ Health Perspect.* 2016 May 1;124(5):A81-3. doi: 10.1289/ehp.1511115.

Zhou Y, Asplund L, Yin G, Athanassiadis I, Wideqvist U, Bignert A, Qiu Y, Zhu Z, Zhao J, Bergman Å. (2016). Extensive organohalogen contamination in wildlife from a site in the Yangtze River Delta. *Sci Total Environ.* **554-555**, 320-8.

Zoeller RT, Bergman Å, Becher G, Bjerregaard P, Bornman R, Brandt I, Iguchi T, Jobling S, Kidd KA, Kortenkamp A, Skakkebaek N, Toppari J, Vandenberg L. (2016). The Path Forward on Endocrine Disruptors Requires Focus on the Basics. *Toxicol Sci.* **149**(2):272.

Zhou Y, Yin G, Asplund L, Qiu Y, Bignert A, Zhu Z, Zhao J, Bergman Å (2016). A novel pollution pattern: Highly chlorinated biphenyls retained in Black-crowned night heron (*Nycticorax nycticorax*) and Whiskered tern (*Chlidonias hybrida*) from the Yangtze River Delta. *Chemosphere*, **150**, 491-498

Dahlberg AK, Lindberg Chen V, Larsson K, Bergman Å, Asplund L (2016). Hydroxylated and methoxylated polybrominated diphenyl ethers in long-tailed ducks (*Clangula hyemalis*) and their main food, Baltic blue mussels (*Mytilus trossulus* × *Mytilus edulis*). *Chemosphere*. 2016 Feb, **144**, 1475-83.

Heacock M, Kelly CB, Asante KA, Birnbaum LS, Bergman AL, Bruné MN, Buka I, Carpenter DO, Chen A, Huo X, Kamel M, Landrigan PJ, Magalini F, Diaz-Barriga F, Neira M, Omar M, Pascale A, Ruchirawat M, Sly L, Sly PD, Van den Berg M, Suk WA (2016). E-Waste and Harm to Vulnerable Populations: A Growing Global Problem. *Environ Health Perspect.* **124**, 550-555.

Bergman Å, Becher G, Blumberg B, Bjerregaard P, Bornman R, Brandt I, Casey SC, Frouin H, Giudice LC, Heindel JJ, Iguchi T, Jobling S, Kidd KA, Kortenkamp A, Lind PM, Muir D, Ochieng R, Ropstad E, Ross PS, Skakkebaek NE, Toppari J, Vandenberg LN, Woodruff TJ, Zoeller RT (2015). Manufacturing doubt about endocrine disrupter science - A rebuttal of industry-sponsored critical comments on the UNEP/WHO report "State of the Science of Endocrine Disrupting Chemicals 2012". *Regul Toxicol Pharmacol.* 2015 Dec, **73**(3), 1007-17. doi: 10.1016/j.yrtph.2015.07.026. Epub 2015 Jul 31.

Al-Anati L, Viluksela M, Strid A, Bergman A, Andersson PL, Stenius U, Hogberg J, (2015). Hydroxyl metabolite of PCB 180 induces DNA damage signaling and enhances the DNA damaging effect of benzo[a]pyrene. *Chemico-Biological Interactions*, **239**, 164-173 Published: SEP 5 2015

Fång J, Nyberg E, Winnberg U, Bignert A, Bergman Å (2015). Spatial and temporal trends of the Stockholm Convention POPs in mothers' milk - a global review. *Environ Sci Pollut Res Int.* **22**, 8989-9041

Norrgran J, Jones B, Bignert A, Athanassiadis I, Bergman Å (2015). Higher PBDE Serum Concentrations May Be Associated with Feline Hyperthyroidism in Swedish Cats. *Environ Sci Technol* **49**(8), 5107-14. doi: 10.1021/acs.est.5b00234. Epub 2015 Apr 6.

Ulhaq M, Sundström M, Larsson P, Gabrielsson J, Bergman Å, Norrgren L, Örn S (2015). Tissue uptake, distribution and elimination of <sup>14</sup>C-PFOA in zebrafish (*Danio rerio*). *Aquatic Toxicology*, 148-157

Diamond ML, de Wit CA, Molander S, Scheringer M, Backhaus T, Lohmann R, Arvidsson R, Bergman Å, Hauschild M, Holoubek I, Persson L, Suzuki N, Vighi M, Zetzsch C (2015). Exploring the planetary boundary for chemical pollution. *Environ Int.* **78**, 8-15.

Grimm FA, Hu D, Kania-Korwel I, Lehmler HJ, Ludewig G, Hornbuckle KC, Duffel MW, Bergman Å, Robertson LW (2015). Metabolism and metabolites of polychlorinated biphenyls. *Crit Rev Toxicol*. **45**(3), 245-72.

Zoeller RT, Bergman Å, Becher G, Bjerregaard P, Bornman R, Brandt I, Iguchi T, Jobling S, Kidd KA, Kortenkamp A, Skakkebaek NE, Toppari J, Vandenberg LN (2014). A path forward in the debate over health impacts of endocrine disrupting chemicals. *Environmental Health*, **13**(1):118. [Epub ahead of print], PMID: 25533907

Legradi J, Dahlberg AK, Cenijn P, Marsh G, Asplund L, Bergman A, Legler J (2014). Disruption of oxidative phosphorylation (OXPHOS) by hydroxylated polybrominated diphenyl ethers (OH-PBDEs) present in the marine environment. *Environmental Science and Technology*, **48**(24), 14703-11. doi: 10.1021/es5039744. Epub 2014 Nov 25.

Strid A, Smedje G, Athanassiadis I, Lindgren T, Lundgren H, Jakobsson K, Bergman A (2014). Brominated flame retardant exposure of aircraft personnel. *Chemosphere*, **116**, 83-90. Special Issue: SI, DOI: 10.1016/j.chemosphere.2014.03.073

Gassmann K, Schreiber T, Dingemans MML, Krause G, Roderigo C, Giersiefer S, Schuwald J, Moors M, Unfried K, Bergman A, BDE-47 and 6-OH-BDE-47 modulate calcium homeostasis in primary fetal human neural progenitor cells via ryanodine receptor-independent mechanisms. *Archives of toxicology*, **88** (8), 1537-1548. DOI: 10.1007/s00204-014-1217-7

Yin G, Asplund L, Qiu Y, Zhou Y, Wang H, Yao Z, Jiang J, Bergman A (2014). Chlorinated and brominated organic pollutants in shellfish from the Yellow Sea and East China Sea. *Environmental Science and Pollution Research International*, ;22, 1713-22.

Bogdanska J, Sundstrom M, Bergstrom U, Borg D, Abedi-Valugerdi M, Bergman A, DePierre J, Nobel, S (2014). Tissue distribution of S-35-labelled perfluorobutanesulfonic acid in adult mice following dietary exposure for 1-5 days. *Chemosphere*, **98**, 28-36; DOI: 10.1016/j.chemosphere.2013.09.062

Alabaster G, Asante KA, Bergman A, Birnbaum L, Brune-Drisse MN, Buka I, et al. 2013. The Geneva Declaration on E-waste and Children's Health. WHO working meeting on e-waste and child health, 11-12 June 2013, Geneva, Switzerland. Available:<https://www.qcmri.uq.edu.au/media/1438/Geneva%20Declaration%20final.pdf> [accessed 25 July 2014].

Dahlberg A-K, Norrgran J, Hovander L, Bergman Å, Asplund L (2014). Recovery discrepancies of OH-PBDEs and polybromophenols in human plasma and cat serum versus herring and long-tailed duck plasma. *Chemosphere*, **94**, 97-103.

Jorundsdottir H, Lofstrand K, Svavarsson J, Bignert A, Bergman, A (2013). Polybrominated diphenyl ethers (PBDEs) and hexabromocyclododecane (HBCD) in seven different marine bird species from Iceland. *Chemosphere*, **93**(8), 1526-1532

Fang J, Nyberg E, Bignert A, Bergman A (2013). Temporal trends of polychlorinated dibenzo-p-dioxins and dibenzofurans and dioxin-like polychlorinated biphenyls in mothers' milk from Sweden, 1972-2011. *Environment International*, **60**, 224-231

Bergman A, Andersson A-M, Becher G, van den Berg M, Blumberg B, Bjerregaard P, Bornehag C-G, Bornman R, Brandt I, Brian J, Casey SC, Fowler PA, Frouin H, Giudice LC, Iguchi T, Hass U, Jobling S, Juul A, Kidd KA, Kortenkamp A, Lind M, Martin OV, Muir D, Ochieng R, Olea N, Norrgren L, Ropstad E, Ross PS, Ruden C, Scheringer M, Skakkebaek NE, Soder O, Sonnenschein C, Soto A, Swan S, Toppari J, Tyler CR, Vandenberg LN, Vinggaard AM, Wiberg K, Zoeller RT (2013). Science and policy on endocrine disrupters must not be mixed: a reply to a "common sense" intervention by toxicology journal editors *Environmental Health*, **12** (69), (27 August 2013).

Bergman A, Heindel JJ, Kasten T, Kidd KA, Jobling S, Neira M, Zoeller RT, Becher G, Bjerregaard P, Bornman R, Brandt I, Kortenkamp A, Muir D, Drisse MN, Ochieng R, Skakkebaek NE, Byléhn AS, Iguchi T, Toppari J, Woodruff TJ (2013). The impact of endocrine disruption: a consensus statement on the state of the science. *Environ Health Perspectives*. **121**(4), A104-106. doi: 10.1289/ehp.1205448.

Strid A, Bruhn C, Sverko E, Svavarsson J, Tomy G, Bergman Å (2013). Brominated and chlorinated flame retardants in liver of Greenland shark (*Somniosus microcephalus*). *Chemosphere*, **91**(2), 222-228.

Bergman Å, Rydén A, Law RJ, de Boer J, Covaci A, Alaei M, Birnbaum L, Petreas M, Rose M, Sakai S, Van den Eede N, van der Veen I (2012). A novel abbreviation standard for organobromine, organochlorine and organophosphorus flame retardants and some characteristics of the chemicals. *Environment International*, **49**, 57-82.

Granelli L, Eriksson J, Bergman Å (2012). Sodium borohydride reduction of individual polybrominated diphenyl ethers. *Chemosphere*, **86**(10), 1008-1012.

Jakobsson K, Fång J, Athanasiadou M, Rignell-Hydbom A, Bergman Å (2012). Polybrominated diphenyl ethers in maternal serum, umbilical cord serum, colostrum and mature breast milk : Insights from a pilot study and the literature. *Environment International*, **47**, 121-130.

Montano M, Cocco E, Guignard C, Marsh G, Hoffmann L, Bergman Å, Gutleb AC, Murk AJ (2012). New Approaches to Assess the Transthyretin Binding Capacity of Bioactivated Thyroid Hormone Disruptors. *Toxicological Sciences*, **130**(1), 94-105.

Norrgran J, Jones B, Lindquist N-G, Bergman Å (2012). Decabromobiphenyl, Polybrominated Diphenyl Ethers, and Brominated Phenolic Compounds in Serum of Cats Diagnosed With the Endocrine Disease Feline Hyperthyroidism. *Archives of Environmental Contamination and Toxicology*, **63**(1), 161-168.

Qiu Y, Strid A, Bignert A, Zhu Z, Zhao J, Athanasiadou M, Athanassiadis L, Bergman Å (2012). Chlorinated and brominated organic contaminants in fish from Shanghai markets : A case study of human exposure. *Chemosphere*, **89**(4), 458-466.

Sundström M, Chang S-C, Noker PE, Gorman GS, Hart JA, Ehresman DJ, Bergman Å, Butenhoff JL (2012a). Comparative pharmacokinetics of perfluorohexanesulfonate (PFHxS) in rats, mice, and monkeys. *Reproductive Toxicology*, **33**(4), 441-451.

Sundström M, Bogdanska J, Pham HV, Athanasios V, Nobel S, McAlees A, Eriksson J, DePierre JW, Bergman Å (2012b). Radiosynthesis of perfluorooctanesulfonate (PFOS) and perfluorobutanesulfonate (PFBS), including solubility, partition and adhesion studies. *Chemosphere*, **87**(8), 865-871.

Gomara, B., Athanasiadou, M., Quintanilla-Lopez, JE., Gonzalez, MJ., Bergman, A., (2012); Polychlorinated biphenyls and their hydroxylated metabolites in placenta from Madrid mothers *Environm. Sci. Pollution Res.* **19**, 139-147

Bjork, C., Nenonen, H., Giwercman, A., Bergman, A., Rylander, L., Giwercman, Y. L. (2011); Persistent organic pollutants have dose and CAG repeat length dependent effects on androgen receptor activity in vitro Source: *Reproductive Toxicology*, **32**, 293-297.

Linderholm, L., Jakobsson, K., Lundh, T., Zamir, R., Shoeb, M., Nahar, N., Bergman, A., (2011); Environmental exposure to POPs and heavy metals in urban children from Dhaka, Bangladesh, *Journal of environmental monitoring*, **13**, 2728-2734.

EFSA Panel on Contaminants in the Food Chain (CONTAM), co-authored by Åke Bergman, (2011); Scientific Opinion on Tetrabromobisphenol A (TBBPA) and its derivatives in food. *EFSA Journal* **9**(12):2477. 61 pp. doi:10.2903/j.efsa.2011.2477.

EFSA Panel on Contaminants in the Food Chain (CONTAM), co-authored by Åke Bergman, (2011), Scientific Opinion on Hexabromocyclododecanes (HBCDDs) in Food. *EFSA Journal*, **9**(7):2296. 118 pp. doi:10.2903/j.efsa.2011.2296.

EFSA Panel on Contaminants in the Food Chain (CONTAM), co-authored by Åke Bergman, Scientific Opinion on Polybrominated Diphenyl Ethers (PBDEs) in Food., (2011), *EFSA Journal*, **9**(5):2156, 274 pp, doi:10.2903/j.efsa.2011.2156.

Bogdanska, J., Borg, D., Sundstrom, M., Bergstrom, U., Halldin, K., Abedi-Valugerdi, M., Bergman, A., Nelson, B., DePierre, J., Nobel, S., (2011), Tissue distribution of (35)S-labelled perfluorooctane sulfonate in adult mice after oral exposure to a low environmentally relevant dose or a high experimental dose, *Toxicology*, **284**, 54-62.

Glynn, A., Larsdotter, M., Aune, M., Darnerud, P.O., Bjerselius, R., Bergman, A., (2011), Changes in serum concentrations of polychlorinated biphenyls (PCBs), hydroxylated PCB metabolites and pentachlorophenol during pregnancy, *Chemosphere*, **83**, 144-151.

Granelli, L., Eriksson, J., Athanasiadou, M., Bergman, A., (2011), Reductive debromination of nonabrominated diphenyl ethers by sodium borohydride and identification of octabrominated diphenyl ether products, *Chemosphere*, **82**, 839-846.

Hertz-Picciotto, I., Bergman, Å., Fångström, B., Rose, M.B., Krakowiak, P., Pessah, I.N., Hansen, R.L., Bennett, D.H., (2011), Polybrominated diphenyl ethers in relation to autism and developmental delay: A case-control study, *Environmental health*, **10**, 1-11.

Alm, H., Scholz, B., Kultima, K., Nilsson, A., Andren, P.E., Savitski, M.M., Bergman, Å., Stigson, M., Fex-Svenningsen, A., Dencker, L., (2010), In vitro neurotoxicity of PBDE-99: Immediate and concentration-dependent effects on protein expression in cerebral cortex cells, *Journal of Proteome Research*, **9**, 1226-1235.

Asp, V., Cantillana, T., Bergman, Å., Brandt, I., (2010), Chiral effects in adrenocorticolytic action of o,p'-DDD (mitotane) in human adrenal cells, *Xenobiotica*, **40**, 177-183.

Borg, D., Bogdanska, J., Sundstroem, M., Nobel, S., Hakansson, H., Bergman, A., DePierre, J.W., Halldin, K., Bergstroem, U., (2010), Tissue distribution of 35S-labelled perfluorooctane sulfonate (PFOS) in C57Bl/6 mice following late gestational exposure, *Reproductive Toxicology*, **30**, 558-565.

DiGangi, J., Blum, A., Bergman, Å., de Wit, C.A., Lucas, D., Mortimer, D., Schecter, A., Scheringer, M., Shaw, S., Webster, T.F., (2010), San Antonio Statement on brominated and chlorinated flame retardants, *Environmental Health Perspectives*, **118**, A516-A518.

Dingemans, M.M.L., Heusinkveld, H.J., Bergman, Å., van den Berg, M., Westerink R.H.S., (2010), Bromination pattern of hydroxylated metabolites of BDE-47 affects their potency to release calcium from intracellular stores in PC12 cells, *Environ Health Perspect*, **118**, 519-525.

Dingemans, M.M.L., van den Berg, M., Bergman, Å., Westerink, R.H.S., (2010), Calcium-related processes involved in the inhibition of depolarization-evoked calcium increase by hydroxylated PBDEs in PC12 cells, *Toxicol. Sci.*, **114**, 302-309.

Gutleb, A.C., Cenijn, P., van Velzen, M., Lie, E., Ropstad, E., Skaare, J.U., Malmberg, T., Bergman, A., Gabrielsen, G.W., Legler, J., (2010), In vitro assay shows that PCB metabolites completely saturate thyroid hormone transport capacity in blood of wild Polar Bears (*Ursus maritimus*), *Environ Sci Technol.*, **44**, 3149-3154.

Hendriks, H.S., Fernandes, E.C.A., Bergman, Å., van den Berg, M., Westerink, R.H.S., (2010), PCB-47, PBDE-47, and 6-OH-PBDE-47 Differentially Modulate Human GABA(A) and alpha(4)beta(2) Nicotinic Acetylcholine Receptors, *Toxicological Sciences*, **118**, 635-642.

Jörundsdóttir, H., Löfstrand, K., Svavarsson, J., Bignert, A., Bergman, Å., (2010), Organochlorine Compounds and Their Metabolites in Seven Icelandic Seabird Species - a Comparative Study, *Environ Sci Technol.*, **44**, 3252-3259.

Linderholm, L., Biague, A., Månsson, F., Norrgren, H., Bergman, Å., Jakobsson, K., (2010), Human exposure to persistent organic pollutants in West Africa - A temporal trend study from Guinea-Bissau, *Environment International*, **36**, 675-682.

Lunder, S., Hovander, L., Athanassiadis, I., Bergman, A., (2010), Significantly higher polybrominated diphenyl ether levels in young US children than in their mothers, *Environ. Sci. Technol.*, **44**, 5256-5262.

Löfstrand, K., Malmvärn, A., Haglund, P., Bignert, A., Bergman, Å., Asplund, L., (2010), Brominated phenols, anisoles, and dioxins present in blue mussels from the Swedish coastline, *Environ. Sci. Pollution Res.*, **17**, 1460-1468.

Rose, M., Bennett, D.H., Bergman, A., Fangstrom, B., Pessah, I.N., Hertz-Picciotto, I., (2010), PBDEs in 2-5 year-old children from California and associations with diet and indoor environment, *Environ. Sci. Technol.*, **44**, 2648-2653.

Strid, A., Athanassiadis, I., Athanasiadou, M., Svavarsson, J., Päpke, O., Bergman, Å., (2010), Neutral and phenolic brominated organic compounds of natural and anthropogenic origin in Northeast Atlantic Greenland shark (*Somniosus microcephalus*), *Environmental Toxicology and Chemistry*, **29**, 2653-2659.

Sundström, M., Ehresman, D., Bignert, A., Butenhoff, J., Olsen, G., Chang, S.-C., Bergman, Å., (2010), A temporal trend study (1972-2008) of perfluorooctanesulfonate, perfluorohexanesulfonate, and perfluorooctanoate in pooled human milk samples from Stockholm, Sweden, *Environment International*, **37**, 178-183.

Wahl, M., Guenther, R., Yang, L., Bergman, Å., Straehle, U., Strack, S., Weiss, C., (2010), Polybrominated diphenyl ethers and arylhydrocarbon receptor agonists: Different toxicity and target gene expression, *Toxicology Letters*, **198**, 119-126.

Borg, D., Bogdanska, J., Sundstrom, M., Nobel, S., Hakansson, H., Bergman, A., DePierre, J., Halldin, K., Bergstrom, U., (2009), Perinatal tissue distribution of perfluorooctane sulphonate (PFOS) in mice, *Toxicology Letters*, **189**, S147-S147.

- Cantillana, T., Sundström, M., Bergman, Å., (2009), Synthesis of 2-(4-chlorophenyl)-2-(4-chloro-3-thiophenyl)-1,1-dichloroethene (3-SH-DDE) via Newman–Kwart rearrangement – A precursor for synthesis of radiolabeled and unlabeled alkylsulfonyl-DDEs, *Chemosphere*, **76**, 805-810.
- Cantillana, T., Lindström, V., Eriksson, L., Brandt, I., Bergman, Å., (2009), Interindividual differences in o,p-DDD enantiomer kinetics examined in Göttingen minipigs, *Chemosphere*, **76**, 167–172.
- Christiansson, A., Eriksson, J., Teclechiel, D., Bergman, Å., (2009), Identification and quantification of products formed via photolysis of decabromodiphenyl ether, *Environmental Science and Pollution Research*, **16**, 312-321.
- Dingemans, M.M.L., Heusinkveld, H.J., de Groot, A., Bergman, A., van den Berg, M., Westerink Remco H.S., (2009), Hexabromocyclododecane inhibits depolarization-induced increase in intracellular calcium levels and neurotransmitter release in PC12 cells, *Toxicological Sciences*, **107**, 490-497.
- Heimstad, E.S., Bastos, P.M., Eriksson, J., Bergman, A., Harju, M., (2009), Quantitative structure - Photodegradation relationships of polybrominated diphenyl ethers, phenoxyphenols and selected organochlorines, *Chemosphere*, **77**, 914-921.
- Houde, M., Papevicius, G., Darling, C., Fair, P.A., Alaei, M., Bossart, G.D., Solomon, K.R., Letcher, R.J., Bergman, A., Marsh, G., Muir, D.C.G., (2009), Polybrominated diphenyl ethers and their hydroxylated analogs in plasma of Bottlenose Dolphins (*Tursiops truncatus*) from the United States East coast, *Environmental Toxicology and Chemistry*, **28**, 2061-2068.
- Jorundsdottir, H., Bignert, A., Svavarsson, J., Nygard, T., Weihe, P., Bergman, A., (2009), Assessment of emerging and traditional halogenated contaminants in Guillemot (*Uria aalge*) egg from North-Western Europe and the Baltic Sea, *Science of the Total Environment*, **407**, 4174-4183.
- Lyche, J.L., Gutleb, A.C., Bergman, A., Eriksen, G.S., Murk, A.J., Ropstad, E., Saunders, M., Skaare, J.U., (2009), Reproductive and developmental toxicity of phthalates, *Journal of Toxicology and environmental Health -Part B- Critical Reviews*, **12**, 225-249.
- Malkiewicz, K., Andersson, P., Nordberg, A., Bergman, A., Hansson, S.O., Ruden, C., (2009), Human experts' judgment of chemicals reactivity for identification of hazardous chemicals, *Toxicology Letters*, **189**, S243-S243.
- Moreira Bastos, P.M., Eriksson, J., Bergman, A., (2009), Photochemical decomposition of dissolved hydroxylated polybrominated diphenyl ethers under various aqueous conditions, *Chemosphere*, **77**, 791-797.
- Park, H.Y., Park, J.S., Sovcikova, E., Kocan, A., Linderholm, L., Bergman, A., Trnovec, T., Hertz-Picciotto, I., (2009), Exposure to hydroxylated polychlorinated biphenyls (OH-PCBs) in the prenatal period and subsequent neurodevelopment in Eastern Slovakia, *Environ Health Perspect*, **117**, 1600-1606.
- Perez-Maldonado I.N., Ramirez-Jimenez Maria del Rocio, Martinez-Arevalo L.P., Lopez-Guzman, O.D., Athanasiadou, M., Bergman, A., Yarto-Ramirez, M., Gavilan-Garcia, A., Yanez, L., Diaz-Barriga, F., (2009), Exposure assessment of polybrominated diphenyl ethers (PBDEs) in Mexican children, *Chemosphere*, **75**, 1215-1220.
- Scheringer, M., Bergman, A., (2009), International Panel on Chemical Pollution, *Chemical & Engineering News*, **87**, 8-10.
- Zamir, R., Athanasiadou, M., Nahar, N., Mamun, M.I.R., Mosihuzzaman, M., Bergman Å., (2009), Persistent organohalogen contaminants in plasma from groups of humans with different occupations in Bangladesh, *Chemosphere*, **74**, 453-459

- Qiu, Y., Eriksson, J., Granelli, L., Bergman, A., (2009), An improved method for assessing relative nucleophilic substitution reactivities of polychlorinated benzenes, *Chemosphere*, **75**, 78-82.
- Athanasidou, M., Cuadra, S.N., Marsh, G., Bergman, A., Jakobsson, K., (2008), Polybrominated diphenyl ethers (PBDEs) and bioaccumulative hydroxylated PBDE metabolites in young humans from Managua, Nicaragua, *Environmental Health Perspectives*, **116**, 400-408.
- Christiansson, A., Hovander, L., Athanassiadis, I., Jakobsson, K., Bergman, A., (2008), Polybrominated diphenyl ethers in aircraft cabins - A source of human exposure?, *Chemosphere*, **73**, 1654-1660.
- Dingemans, M.M.L., de Groot, A., van Kleef R.G.D.M., Bergman, A., van den Berg, M., Vijverberg, H.P.M., Westerink, R.H.S., (2008), Hydroxylation increases the neurotoxic potential of BDE-47 to affect exocytosis and calcium homeostasis in PC12 cells, *Environmental Health Perspectives*, **116**, 637-643.
- Fängström, B., Athanassiadis, I., Odsjö, T., Noren, K., Bergman, Å., (2008), Temporal trends of polybrominated diphenyl ethers and hexabromocyclododecane in milk from Stockholm mothers, 1980-2004, *Molecular Nutrition and Food Research*, **52**, 187-193.
- Grandjean, P., Bellinger, D., Bergman, Å., Cordier, S., vey-Smith, G., Eskenazi, B., Gee, D., Gray, K., Hanson, M., van den Hazel, P., Heindel, J.J., Heinzow, B., Hertz-Picciotto, I., Hu, H., Huang, T.T.K., Jensen, T.K., Landrigan, P.J., McMillen, I.C., Murata, K., Ritz, B., Schoeters, G., Skakkebaek, N.E., Skerfving, S., Weihe, P., (2008), The Faroes statement: human health effects of developmental exposure to chemicals in our environment, *Basic & Clinical Pharmacology & Toxicology*, **102**, 73-75.
- Hamers, T., Kamstra, J.H., Sonneveld, E., Murk, A.J., Visser, T.J., Van Velzen M.J.M., Brouwer, A., Bergman, A., (2008), Biotransformation of brominated flame retardants into potentially endocrine-disrupting metabolites, with special attention to 2,2',4,4'-tetrabromodiphenyl ether (BDE-47), *Molecular Nutrition and Food Research*, **52**, 284-298.
- Hermansson, V., Cantillana, T., Hovander, L., Bergman, A., Ljungvall, K., Magnusson, U., Toerneke, K., Brandt, I., (2008), Pharmacokinetics of the adrenocorticolytic compounds 3-methylsulphonyl-DDE and o,p'-DDD (mitotane) in Minipigs, *Cancer Chemotherapy and Pharmacology*, **61**, 267-274.
- Jörundsdóttir, H., Mattiasson, K., Svavarsson, J., Tomy, G., Weihe, P., Nygård, T., Bignert, A., Bergman, Å., (2008), Concentrations of organohalogen compounds in the West-Nordic compared to the Baltic Region, *TemaNord*, Vol:2008:550.
- López Guzmán, D., Yanez Estrada, L., Athanasidou, M., Bergman, Å., Herrera, C., Diaz-Barriga, F., (2008), Determinación de los niveles de DDT, DDE y DDE-MeSO<sub>2</sub> en leche materna y sangre de poblaciones contaminadas por DDT en Mexico, *Acta Toxicológica Argentina*, **14**, 34-36.
- Löfstrand, K., Jörundsdóttir, H., Tomy, G., Svavarsson, J., Weihe, P., Nygard, T., Bergman, Å., (2008), Spatial trends of polyfluorinated compounds in guillemot (*Uria aalge*) eggs from North-Western Europe, *Chemosphere*, **72**, 1475-1480.
- Malmvärn, A., Zebuhr, Y., Kautsky, L., Bergman, Å., Asplund, L., (2008), Hydroxylated and methoxylated polybrominated diphenyl ethers and polybrominated dibenzo-p-dioxins in red alga and cyanobacteria living in the Baltic Sea, *Chemosphere*, **72**, 910-916.
- Meijer, L., Weiss, J., van Velzen, M., Brouwer, A., Bergman, Å., Sauer, P.J.J., (2008), Serum concentrations of neutral and phenolic organohalogens in pregnant women and some of their infants in the Netherlands, *Environmental science & technology*, **42**, 3428-3433.
- Moreira Bastos, P., Eriksson, J., Green, N., Bergman, Å., (2008), A standardized method for assessment of oxidative transformations of brominated phenols in water, *Chemosphere*, **70**, 1196-1202.



Moreira Bastos, P., Eriksson, J., Vidarson, J., Bergman, Å., (2008), Oxidative transformation of polybrominated diphenyl ether congeners (PBDEs) and of hydroxylated PBDEs (OH-PBDEs), *Environ. Sci. Pollut. Res. Int.*, **15**, 606-613.

Park, J.S., Bergman, Å., Linderholm, L., Athanasiadou, M., Kocan, A., Petrik, J., Drobna, B., Trnovec, T., Charles, M.J., Hertz-Picciotto, I., (2008), Placental transfer of polychlorinated biphenyls, their hydroxylated metabolites and pentachlorophenol in pregnant women from eastern Slovakia, *Chemosphere*, **70**, 1676-1684.

Ueno, D., Darling, C., Alaei, M., Pacepavicius, G., Teixeira, C., Campbell, L., Letcher, R.J., Bergman, Å., Marsh, G., Muir, D., (2008), Hydroxylated Polybrominated Diphenyl Ethers (OH-PBDEs) in the Abiotic Environment: Surface Water and Precipitation from Ontario, Canada, *Environmental science & technology*, **42**, 1657-1664.

Dingemans, M.M.L., Ramakers, G.M.J., Gardoni, F., van Kleef, R.G.D.M., Bergman, Å., Di Luca, M., van den Berg, M., Westerink, R.H.S., Vijverberg, H.P.M., (2007), Neonatal exposure to brominated flame retardant BDE-47 reduces long-term potentiation and postsynaptic protein levels in mouse hippocampus, *Environ Health Perspect.*, **115**, 865-870.

Langer, P., Vlcek, M., Bergman, Å., Athanasiadou, M., Hovander, L., Shishiba, Y., (2007), Thyroid ultrasound volume, structure and function after long-term high exposure of large population to polychlorinated biphenyls, pesticides and dioxin, *Chemosphere*, **69**, 118-127.

Langer, P., Kocan, A., Tajtáková, M., Rádiková, Z., Petrik, J., Koska, J., Ksinantová, L., Imrich, R., Hucková, M., Chovancová, J., Drobna, B., Jursa, S., Bergman, Å., Athanasiadou, M., Hovander, L., Gasperáková, D., Trnovec, T., Seböková, E., Klimes, I., (2007), Possible effects of persistent organochlorinated pollutants cocktail on thyroid hormone levels and pituitary-thyroid interrelations, *Chemosphere*, **70**, 110-118.

Linderholm, L., Park, J.S., Kocan, A., Trnovec, T., Athanasiadou, M., Bergman, Å., Hertz-Picciotto, I., (2007), Maternal and cord serum exposure to PCB and DDE methyl sulfone metabolites in eastern Slovakia, *Chemosphere*, **69**, 403-410.

Park, J.S., Linderholm, L., Charles, M.J., Athanasiadou, M., Petrik, J., Kocan, A., Drobna, B., Trnovec, T., Bergman, Å., Hertz-Picciotto, I., (2007), Polychlorinated biphenyls and their hydroxylated metabolites (OH-PCBs) in pregnant women from Eastern Slovakia, *Environ Health Perspect.* **115**, 20-27.

Strid, A., Jörundsdóttir, H., Pöpke, O., Svavarsson, J., Bergman, Å., (2007), Dioxins and PCBs in Greenland shark (*Somniosus microcephalus*) from the North-East Atlantic, *Marine Pollution Bulletin*, **54**, 1514-1522.

Teclechiel, D., Christiansson, A., Bergman, Å., Marsh, G., (2007), Synthesis of octabrominated diphenyl ethers from aminodiphenyl ethers, *Environmental Science and Technology*, **41**, 7459-7463.

Athanasiadou, M., Marsh, G., Athanasiadis, I., Asplund, L., Bergman, Å., (2006), Gas chromatography and mass spectrometry of methoxylated polybrominated diphenyl ethers (MeO-PBDEs), *Journal of Mass Spectrometry*, **41**, 791-801.

Canton, R.F., Sanderson, J.T., Nijmeijer, S., Bergman, Å., Letcher, R.J., van den Berg, M., (2006), In vitro effects of brominated flame retardants and metabolites on CYP17 catalytic activity: a novel mechanism of action?, *Toxicol Appl Pharmacol.*, **216**, 274-281.

Christiansson, A., Teclechiel, D., Eriksson, J., Bergman, Å., Marsh, G., (2006), Methods for synthesis of nonabromodiphenyl ethers and a chloro-nonabromodiphenyl ether, *Chemosphere*, **63**, 562-569.

Fischer, D., Hooper, K., Athanasiadou, M., Athanassiadis, I., Bergman, Å., (2006), Children show highest levels of polybrominated diphenyl ethers in a California family of four: a case study, *Environmental Health Perspectives*, **114**, 1581-1584.

Hagmar, L., Wallin, E., Vessby, B., Jönsson, B.A.G., Bergman, Å., Rylander, L., (2006), Intra-individual variations and time trends 1991-2001 in human serum levels of PCB, DDE and hexachlorobenzene, *Chemosphere*, **64**, 1507-1513.

Hovander, L., Linderholm, L., Athanasiadou, M., Athanassiadis, I., Bignert, A., Fängström, B., Kocan, A., Petrik, J., Trnovec, T., Bergman, Å., (2006), Levels of PCBs and their metabolites in the serum of residents of a highly contaminated area in eastern Slovakia, *Environmental science & technology*, **40**, 3696-3703.

Jörundsdóttir, H., Norström, K., Olsson, M., Pham-Tuan, H., Hühnerfuss, H., Bignert, A., Bergman, Å., (2006), Temporal trend of bis(4-chlorophenyl) sulfone, methylsulfonyl-DDE and -PCBs in Baltic guillemot (*Uria aalge*) egg 1971-2001 - A comparison to 4,4'-DDE and PCB trends, *Environmental Pollution*, **141**, 226-237.

López, D., Athanasiadou, M., Athanassiadis, I., Yanez, L., Ramirez, R., Diaz-Barriga, F., Bergman, Å., (2006), Estudio preliminar sobre los niveles de exposicion a PBDEs en sangre y leche materna en Mexico, *Acta Toxicológica Argentina*, **14**, 52-54.

Meijer, L., Hafkamp, A.M., Bosman, W.E., Havinga, R., Bergman, Å., Sauer, P.J.J., Verkade, H.J., (2006), Nonabsorbable Dietary Fat Enhances Disposal of 2,2',4,4'-Tetrabromdiphenyl Ether in Rats through Interruption of Enterohepatic Circulation, *Journal of Agricultural and Food Chemistry*, **54**, 6440-6444.

Perez-Maldonado, I.N., Athanasiadou, M., Yanez, L., Gonzalez-Amaro, R., Bergman, Å., Diaz-Barriga, F., (2006), DDE-induced apoptosis in children exposed to the DDT metabolite, *Science of the Total Environment*, **370**, 343-351.

Peters, A.K., Sanderson, J.T., Bergman, Å., van den Berg, M., (2006), Antagonism of TCDD-induced ethoxyresorufin-O-deethylation activity by polybrominated diphenyl ethers (PBDEs) in primary cynomolgus monkey (*Macaca fascicularis*) hepatocytes, *Toxicology Letters*, **164**, 123-132.

Peters, A.K., Nijmeijer, S., Gradin, K., Backlund, M., Bergman, Å., Poellinger, L., Denison, M.S., van den Berg, M., (2006), Interactions of Polybrominated Diphenyl Ethers with the Aryl Hydrocarbon Receptor Pathway, *Toxicological Sciences*, **92**, 133-142.

Peters, A.K., Leonards, P.E., Zhao, B., Bergman, Å., Denison, M.S., van den Berg, M., (2006), Determination of in vitro relative potency (REP) values for mono-ortho polychlorinated biphenyls after purification with active charcoal, *Toxicology Letters*, **165**, 230-241.

Thuresson, K., Höglund, P., Hagmar, L., Sjödin, A., Bergman, Å., Jakobsson, K., (2006), Apparent half-lives of hepta- to decabrominated diphenyl ethers in humans as determined in occupationally exposed workers, *Environmental Health Perspectives*, **114**, 176-181.

Thuresson, K., Bergman, Å., Rothenbacher, K., Herrmann, T., Sjölin, S., Hagmar, L., Pöpke, O., Jakobsson, K., (2006), Polybrominated diphenyl ether exposure to electronics recycling workers - a follow up study, *Chemosphere*, **64**, 1855-1861.

Weiss, J., Wallin, E., Axmon, A., Jönsson, B.A.G., Åkesson, H., Janak, K., Hagmar, L., Bergman, Å., (2006), Hydroxy-PCBs, PBDE and HBCDD in serum from an elderly population of Swedish fishermen's wives and associations to bone density, *Environmental Science and Technology*; **40**, 6282-6289.

- Canton, R.F., Sanderson, J.T., Letcher, R.J., Bergman, Å., van den Berg, M., (2005), Inhibition and induction of aromatase (CYP19) activity by brominated flame retardants in H295R human adrenocortical carcinoma cells, *Toxicological Sciences*, **88**, 447-455.
- Darnerud, P.O., Wong, J., Bergman, Å., Ilbäck, N.G., (2005), Common viral infection affects pentabrominated diphenyl ether (PBDE) distribution and metabolic and hormonal activities in mice, *Toxicology*, **210**, 159-167.
- Fängström, B., Strid, A., Grandjean, P., Weihe, P., Bergman, Å., (2005), A retrospective study of PBDEs and PCBs in human milk from the Faroe Islands, *Environmental Health*, **4**, 12-16.
- Fängström, B., Athanasiadou, M., Athanassiadis, I., Bignert, A., Grandjean, P., Weihe, P., Bergman, Å., (2005), Polybrominated diphenyl ethers and traditional organochlorine pollutants in fulmars (*Fulmarus glacialis*) from the Faroe Islands, *Chemosphere*, **60**, 836-843.
- Fängström, B., Athanasiadou, M., Athanassiadis, I., Weihe, P., Bergman, Å., (2005), Hydroxylated PCB metabolites in nonhatched fulmar eggs from the Faroe Islands, *Ambio*, **34**, 184-187.
- Fängström, B., Hovander, L., Bignert, A., Athanassiadis, I., Linderholm, L., Grandjean, P., Weihe, P., Bergman, Å., (2005), Concentrations of polybrominated diphenyl ethers, polychlorinated biphenyls, and polychlorobiphenylols in serum from pregnant Faroese women and their children 7 years later, *Environmental Science and Technology*, **39**, 9457-9463.
- Green, N., Bergman, Å., (2005), Chemical reactivity as a tool for estimating persistence, *Environmental Science and Technology*, **39**, 480A-486A.
- Halldin, K., Bergman, Å., Brandt, I., Brunström, B., (2005), Developmental toxicity in Japanese quail exposed to hydroxylated metabolites of PCB in ovo, *Avian and Poultry Biology Reviews*, **16**, 11-17.
- Heneweer, M., van den Berg, M., de Geest, M.C., de Jong, P.C., Bergman, Å., Sanderson, J.T., (2005), Inhibition of aromatase activity by methyl sulfonyl PCB metabolites in primary culture of human mammary fibroblasts, *Toxicology and Applied Pharmacology*, **202**, 50-58.
- Hu, J., Eriksson, L., Bergman, Å., Kolehmainen, E., Knuutinen, J., Suontamo, R., Wei, X., (2005), Molecular orbital studies on brominated diphenyl ethers. Part I - conformational properties, *Chemosphere*, **59**, 1033-1041.
- Hu, J., Eriksson, L., Bergman, Å., Kolehmainen, E., Knuutinen, J., Suontamo, R., Wei, X., (2005), Molecular orbital studies on brominated diphenyl ethers. Part II - reactivity and quantitative structure-activity (property) relationships, *Chemosphere*, **59**, 1043-1057.
- Malmberg, T., Athanasiadou, M., Marsh, G., Brandt, I., Bergman, Å., (2005), Identification of hydroxylated polybrominated diphenyl ether metabolites in blood plasma from polybrominated diphenyl ether exposed rats, *Environmental Science and Technology*, **39**, 5342-5348.
- Malmvärn, A., Marsh, G., Kautsky, L., Athanasiadou, M., Bergman, Å., Asplund, L., (2005), Hydroxylated and methoxylated brominated diphenyl ethers in the red algae *Ceramium tenuicorne* and blue mussels from the Baltic Sea, *Environmental Science and Technology*, **39**, 2990-2997.
- Marsh, G., Athanasiadou, M., Athanassiadis, I., Bergman, Å., Endo, T., Haraguchi, K., (2005), Identification, Quantification, and Synthesis of a Novel Dimethoxylated Polybrominated Biphenyl in Marine Mammals Caught Off the Coast of Japan, *Environmental Science and Technology*, **39**, 8684-8690.
- Pham-Tuan, H., Larsson, C., Hoffmann, F., Bergman, Å., Fröba, M., Hühnerfuss, H., (2005), Enantioselective semipreparative HPLC separation of PCB metabolites and their absolute structure elucidation using electronic and vibrational circular dichroism, *Chirality*, **17**, 266-280.

- Rahm, S., Green, N., Norrgran, J., Bergman, Å., (2005), Hydrolysis of environmental contaminants as an experimental tool for indication of their persistency, *Environmental Science and Technology*, **39**, 3128-3133.
- Shelver, W.L., Keum, Y.S., Kim, H.J., Rutherford, D., Hakk, H.H., Bergman, Å., Li, Q.X., (2005), Hapten syntheses and antibody generation for the development of a polybrominated flame retardant ELISA, *Journal of Agricultural and Food Chemistry*, **53**, 3840-3847.
- Thuresson, K., Bergman, Å., Jakobsson, K., (2005), Occupational exposure to commercial Decabromodiphenyl ether in workers manufacturing or handling flame-retarded rubber, *Environmental Science and Technology*, **39**, 1980-1986.
- Valters, K., Li, H., Alaei, M., D'Sa, I., Marsh, G., Bergman, Å., Letcher, R.J., (2005), Polybrominated diphenyl ethers and hydroxylated and methoxylated brominated and chlorinated analogues in the plasma of fish from the Detroit River, *Environmental Science and Technology*, **39**, 5612-5619.
- Weiss, J., Pöpke, O., Bergman, Å., (2005), A worldwide survey of polychlorinated dibenzo-p-dioxins, dibenzofurans, and related contaminants in butter, *Ambio*, **34**, 589-597.
- Eriksson, J., Green, N., Marsh, G., Bergman, Å., (2004), Photochemical Decomposition of 15 Polybrominated Diphenyl Ether Congeners in Methanol/Water, *Environmental Science and Technology*, **38**, 3119-3125.
- Johansson, F., Allkvist, A., Erixon, K., Malmvärn, A., Nilsson, R., Bergman, Å., Helleday, T., Jenssen, D., (2004), Screening for genotoxicity using DRAG assay: investigation of halogenated environmental contaminants, *Mutation Research*, **563**, 35-47.
- Kuiper, R.V., Bergman, Å., Vos, J.G., van den Berg, M., (2004), Some brominated diphenyl ether (PBDE) flame retardants with wide environmental distribution inhibit TCDD-induced EROD activity in primary cultured carp (*Cyprinus carpio*) hepatocytes, *Aquatic Toxicology*, **68**, 129-139.
- Larsson, C., Norström, K., Athanassiadis, I., Bignert, A., König, W.A., Bergman, Å., (2004), Enantiomeric specificity of methylsulfonyl-PCBs and distribution of bis(4-chlorophenyl) sulfone, PCB, and DDE methyl sulfones in grey seal tissues, *Environmental Science and Technology*, **38**, 4950-4955.
- Malmberg, T., Hoogstraate, J., Bergman, Å., Klasson Wehler, E., (2004), Pharmacokinetics of two major hydroxylated polychlorinated biphenyl metabolites with specific retention in rat blood, *Xenobiotica*, **34**, 581-589.
- Sandin, P., Bengtsson, B., Bergman, Å., Brandt, I., Dencker, L., Eriksson, P., Förlin, L., Larsson, P., Oskarsson, A., Rudén, C., Södergren, A., Woin, P., Hansson, S.O., (2004), Precautionary defaults - A new strategy for chemical risk management, *Human and Ecological Risk Assessment*, **10**, 1-18.
- Soechitram, S.D., Athanasiadou, M., Hovander, L., Bergman, Å., Sauer, P.J.J., (2004), Fetal exposure to PCB and their hydroxylated metabolites in a Dutch cohort, *Environmental Health Perspectives*, **112**, 1208-1212.
- Norström, K., Olsson, A., Olsson, M., and Bergman, Å., (2004), Bis(4-chlorophenyl) sulfone (BCPS) in Swedish marine and fresh water wildlife-a screening study, *Environment International*, **30**, 667-674.
- Eriksson, J., Rahm, S., Green, N., Bergman, Å., and Jakobsson, E., (2004), Photochemical transformations of tetrabromobisphenol A and related phenols in water, *Chemosphere*, **54**, 117-126.
- Marsh, G., Athanasiadou, M., Bergman, Å., and Asplund, L., (2004), Identification of hydroxylated and methoxylated polybrominated diphenyl ethers in Baltic Sea salmon (*Salmo salar*) blood, *Environ. Sci. Technol.*, **38**, 10-18.

- Marsh, G., Stenutz, R., and Bergman, Å., (2003), Synthesis of hydroxylated and methoxylated polybrominated diphenyl ethers - Natural products and potential polybrominated diphenyl ether metabolites, *Eur. J. Org. Chem.*, 2566-2576.
- Meironyté Guvenius, D., Aronsson, A., Ekman-Ordeberg, G., Bergman, Å., and Norén, K., (2003), Human prenatal and postnatal exposure to polybrominated diphenyl ethers, polychlorinated biphenyls, polychlorobiphenyls and pentachlorophenol, *Environ. Health Perspect.*, **111**, 1235-1241.
- Sjödin, A., Patterson, D. G. Jr., and Bergman, Å., (2003), A review on human exposure to brominated flame retardants (BFRs) - particularly polybrominated diphenyl ethers (PBDEs), *Environmental International*, **29**, 829-839.
- Alaee, M., Arias, P., Sjödin, A., and Bergman, Å., (2002), An overview of commercially used brominated flame retardants (BFRs) and their applications, changes in their use pattern in different countries/regions over time and possible modes of release, *Environmental International*, **29**, 683-689.
- Döbler, J., Peters, N., Larsson, C., Bergman, Å., Geidel, E., and Hühnerfuss, H., (2002), The absolute structures of separated PCB-methylsulfone enantiomers determined by vibrational circular dichroism and quantum chemical calculations, *Journal of Molecular Structure (Theochem)*, **586**, 159-166.
- Fängström, B., Athanasiadou, M., Grandjean, P., Weihe, P., and Bergman, Å., (2002), Hydroxylated PCB metabolites and PCBs in serum from pregnant Faroese women, *Environ. Health Perspect.*, **110**, 895-899.
- Hakk, H., Larsen, G., Bergman, Å., and Örn, U., (2002), Binding of brominated diphenyl ethers to male rat carrier proteins, *Xenobiotica*, **32**, 1079-1091.
- Hovander, L., Malmberg, T., Athanasiadou, M., Athanassiadis, I., Rahm, S., Bergman, Å., and Klasson Wehler, E., (2002), Identification of hydroxylated PCB metabolites and other phenolic halogenated pollutants in human blood plasma, *Arch. Environ. Contam. Toxicol.*, **42**, 105-117.
- Jakobsson, K., Thuresson, K., Rylander, L., Sjödin, A., Hagmar, L., and Bergman, Å., (2002), Exposure to polybrominated diphenyl ethers and tetrabromobisphenol A among computer technicians, *Chemosphere*, **46**, 709-716.
- Larsson, C., Ellerichmann, T., Hühnerfuss, H., and Bergman, Å., (2002), Chiral PCB methyl sulfones in rat tissues after exposure to technical PCBs, *Environ. Sci. Technol.*, **36**, 2833-2838.
- Letcher, R. J., Lemmen, J. G., van der Burg, B., Brouwer, A., Bergman, Å., Giesy, J. P., and van den Berg, M., (2002), In vitro antiestrogenic effects of aryl methyl sulfone metabolites of polychlorinated biphenyls and 2,2-bis(4-chlorophenyl)-1,1-dichloroethene on 17 $\beta$ -estradiol-induced gene expression in several bioassay systems, *Toxicol. Sci.*, **69**, 362-372.
- Meerts, I. A. T. M., Assink, Y., Ceniijn, P. H., van den Berg, J. H. J., Weijers, B. M., Bergman, Å., Koeman, J. H., and Brouwer, A., (2002), Placental transfer of a hydroxylated polychlorinated biphenyl and effects on fetal and maternal thyroid hormone homeostasis in the rat, *Toxicol. Sci.*, **68**, 361-371.
- Meironyté Guvenius, D., Hassanzadeh, P., Bergman, Å., and Norén, K., (2002), Metabolites of polychlorinated biphenyls in human liver and adipose tissue, *Environ. Toxicol. Chem.*, **21**, 2264-2269.
- Bergman, Å., Brouwer, A., Hagmar, L., Meerts, I., and Sjödin, A., (2001), Hydroxylated PCBs (OH-PCBs) as potential endocrine disrupters - exposures and toxic effects, *APMIS*, **109**, Suppl. **103**, 505.
- Hagmar, L., Björk, J., Sjödin, A., Bergman, Å., and Erfurth, E. M., (2001), Plasma levels of persistent organohalogenes and hormone levels in adult male humans, *Arch. Environ. Health*, **56**, 138-143.

- Halldin, K., Berg, C., Bergman, Å., Brandt, I., and Brunström, B., (2001), Distribution of bisphenol A and tetrabromobisphenol A in quail eggs, embryos and laying birds and studies on reproduction variables in adults following in ovo exposure, *Arch. Toxicol.*, **75**, 597-603.
- Larsson, C. and Bergman, Å., (2001), PCB methyl sulphones in rat liver after exposure to PCB (Clophen A50): analysis and radiosynthesis of selected methylsulphonyl-PCBs, *Xenobiotica*, **31**, 85-97.
- Lindhe, Ö., Lund, B.-O., Bergman, Å., and Brandt, I., (2001), Irreversible binding and adrenocorticolytic activity of the DDT metabolite 3-methylsulfonyl-DDE examined in tissue-slice culture, *Environ. Health Perspect.*, **109**, 105-110.
- Meerts, I. A. T. M., Letcher, R. J., Hoving, S., Marsh, G., Bergman, Å., Lemmen, J. G., van der Burg, B., and Brouwer, A., (2001), In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds, *Environ. Health Perspect.*, **109**, 399-407.
- Meironyté Guvenius, D., Bergman, Å., and Norén, K., (2001), Polybrominated diphenyl ethers in Swedish human liver and adipose tissue, *Arch. Environ. Contam. Toxicol.*, **40**, 564-570.
- Sjödin, A., Patterson, D. G., and Bergman, Å., (2001), Brominated flame retardants in serum from U.S. blood donors, *Environ. Sci. Technol.*, **35**, 3830-3833.
- Sjödin, A., Carlsson, H., Thuresson, K., Sjölin, S., Bergman, Å., and Östman, C., (2001), Flame retardants in indoor air at an electronics recycling plant and at other work environments, *Environ. Sci. Technol.*, **35**, 448-454.
- Bahrami, F., van Hezik, C., Bergman, Å., and Brandt, I., (2000), Target cells for methylsulphonyl-2,6-dichlorobenzene in the olfactory mucosa in mice, *Chem. Biol. Interact.*, **128**, 97-113.
- Ghosh, M., Meerts, I. A. T. M., Cook, A., Bergman, Å., Brouwer, A., and Johnson, L. N., (2000), Structure of human transthyretin complexed with bromophenols: a new mode of binding, *Acta Cryst.*, **D56**, 1085-1095.
- Hakk, H., Larsen, G., Bergman, Å., and Örn, U., (2000), Metabolism, excretion and distribution of the flame retardant tetrabromobisphenol-A in conventional and bile-duct cannulated rats, *Xenobiotica*, **30**, 881-890.
- Kester, M. H. A., Bulduk, S., Tibboel, D., Meinel, W., Glatt, H., Falany, C. N., Coughtrie, M. W. H., Bergman, Å., Safe, S., Kuiper, G. G. J. M., Schuur, A. G., Brouwer, A., and Visser, T. J., (2000), Potent inhibition of estrogen sulfotransferase by hydroxylated PCB metabolites: A novel pathway explaining the estrogenic activity of PCBs, *Endocrinology*, **141**, 1897-1900.
- Meerts, I. A. T. M., van Zanden, J. J., Luijckx, E. A. C., van Leeuwen-Bol, I., Marsh, G., Jakobsson, E., Bergman, Å., and Brouwer, A., (2000), Potent competitive interactions of some Brominated Flame Retardants and related compounds with human transthyretin *in vitro*, *Toxicol. Sci.*, **56**, 95-104.
- Olsson, A., Ceder, K., Bergman, Å., and Helander, B., (2000), Nestling blood of the white-tailed Sea Eagle (*Haliaeetus albicilla*) as an indicator of territorial exposure to organohalogen compounds - An evaluation, *Environ. Sci. Technol.*, **34**, 2733-2740.
- Sjödin, A., Hagmar, L., Klasson Wehler, E., Björk, J., and Bergman, Å., (2000), Influence of the consumption of fatty Baltic Sea fish on plasma levels of halogenated environmental contaminants in Latvian and Swedish men, *Environ. Health Perspect.*, **108**, 1035-1041.
- van der Plas, S. A., Sundberg, H., van den Berg, H., Scheu, G., Wester, P., Jensen, S., Bergman, Å., de Boer, J., Koeman, J. H., and Brouwer, A., (2000), Contribution of planar (0-1 *Ortho*) and nonplanar (2-4 *Ortho*)

fractions of aroclor 1260 to the induction of altered hepatic foci in female sprague-dawley rats, *Toxicol. Appl. Pharmacol.*, **169**, 255-268.

Asplund, L., Athanasiadou, M., Sjödin, A., Bergman, Å., and Börjeson, H., (1999), Organohalogen substances in muscle, egg and blood from healthy baltic salmon (*Salmo salar*) and baltic salmon that produced offspring with M74 syndrome, *Ambio*, **28**, 67-76.

Bahrami, F., Brittebo, E. B., Bergman, Å., Larsson, C., and Brandt, I., (1999), Localization and comparative toxicity of methylsulfonyl-2,5- and 2,6-dichlorobenzene in the olfactory mucosa of mice, *Toxicol. Sci.*, **49**, 116-123.

Bengtsson, B.-E., Hill, C., Bergman, Å., Brandt, I., Johansson, N., Magnhagen, C., Södergren, A., and Thulin, J., (1999), Reproductive disturbances in Baltic fish: A synopsis of the FiRe project, *Ambio*, **28**, 2-8.

Ejlertsson, J., Nilsson, M.-L., Kylin, H., Bergman, Å., Karlsson, L., Öquist, M., and Svensson, B. H., (1999), Anaerobic degradation of nonylphenol mono- and diethoxylates in digester sludge, landfilled municipal solid waste, and landfilled sludge, *Environ. Sci. Technol.*, **33**, 301-306.

Helleday, T., Tuominen, K.-L., Bergman, Å., and Jensen, D., (1999), Brominated flame retardants induce intragenic recombination in mammalian cells, *Mutat. Res.*, **439**, 137-147.

Letcher, R. J., van Holsteijn, I., Drenth, H.-J., Norstrom, R. J., Bergman, Å., Safe, S., Pieters, R., and van den Berg, M., (1999), Cytotoxicity and aromatase (CYP19) activity modulation by organochlorines in human placental JEG-3 and JAR choriocarcinoma cells, *Toxicol. Appl. Pharmacol.*, **160**, 10-20.

Lund, B.-O., Örberg, J., Bergman, Å., Larsson, C., Bergman, A., Bäcklin, B.-M., Håkansson, H., Madej, A., Brouwer, A., and Brunström, B., (1999), Chronic and reproductive toxicity of a mixture of 15 methylsulfonyl-Polychlorinated biphenyls and 3-methylsulfonyl-2,2-bis-(4-chlorophenyl)-1,1-dichloroethene in mink (*Mustela vison*), *Environ. Toxicol. Chem.*, **18**, 292-298.

Marsh, G., Hu, J., Jakobsson, E., Rahm, S., and Bergman, Å., (1999), Synthesis and characterization of 32 polybrominated diphenyl ethers, *Environ. Sci. Technol.*, **33**, 3033-3037.

Meironyté, D., Norén, K., and Bergman, Å., (1999), Analysis of polybrominated diphenyl ethers in Swedish human milk. A time-related trend study, 1972-1997, *Journal of Toxicology and Environmental Health, Part A*, **58**, 329-341.

Olsson, A., Vitinsh, M., Plikshs, M., and Bergman, Å., (1999), Halogenated environmental contaminants in perch (*Perca fluviatilis*) from Latvian coastal areas, *Sci. Total Environ.*, **239**, 19-30.

Poon, R., Lecavalier, P., Chu, I., Yagminas, A., Nadeau, B., Bergman, Å., and Larsson, C., (1999), Effects of bis(4-chlorophenyl) sulfone on rats following 28-day dietary exposure, *J. Toxicol. Environ. Health*, **56**, 185-198.

Schuur, A. G., Bergman, Å., Brouwer, A., and Visser, T. J., (1999), Effects of pentachlorophenol and hydroxylated polychlorinated biphenyls on thyroid hormone conjugation in a rat and a human hepatoma cell line, *Toxicol. in Vitro*, **13**, 417-425.

Sjödin, A., Hagmar, L., Klasson Wehler, E., Kronholm-Diab, K., Jakobsson, E., and Bergman, Å., (1999), Flame retardant exposure: Polybrominated diphenyl ethers in blood from Swedish workers, *Environ. Health Perspect.*, **107**, 643-648.

Valters, K., Olsson, A., Asplund, L., and Bergman, Å., (1999), Polychlorinated biphenyls and some pesticides in perch (*Perca fluviatilis*) from inland waters of Latvia, *Chemosphere*, **38**, 2053-2064.

- Valters, K., Olsson, A., Vitinsh, M., and Bergman, Å., (1999), Contamination sources in Latvia: Levels of organochlorines in perch (*Perca fluviatilis*) from rivers Daugava and Lielupe, *Ambio*, **28**, 335-340.
- Brouwer, A., Morse, D. C., Lans, M. C., Schuur, A. G., Murk, A. J., Klasson Wehler, E., Bergman, Å., and Visser, T. J., (1998), Interactions of persistent environmental organohalogenes with the Thyroid hormone system: Mechanisms and possible consequences for animal and human health., *J. Toxicol. & Industr. Health*, **14**, 59-84.
- Chu, I., Poon, R., Yagminas, A., Lecavalier, P., Håkansson, H., Valli, V. E., Kennedy, S. W., Bergman, Å., Seegal, R. F., and Feeley, M., (1998), Subchronic toxicity of PCB 105 (2,3,3',4,4'-pentachlorobiphenyl) in rats, *J. Appl. Toxicol.*, **18**, 285-292.
- Ellerichmann, T., Bergman, Å., Franke, S., Hühnerfuss, H., Jakobsson, E., Köning, W. A., and Larsson, C., (1998), Gas chromatographic enantiomer separations of chiral PCB methyl sulfons and identification of selectively retained enantiomers in human liver, *Fresenius Envir. Bull.*, **7**, 244-257.
- Fisk, A. T., Weins, S. C., Webster, G. R. B., Bergman, Å., and Muir, D. C. G., (1998), Accumulation and depuration of sediment-sorbed C<sub>12</sub>- and C<sub>16</sub>-polychlorinated alkanes by Oligochaetes (*Lumbriculus Variegatus*), *Environ. Toxicol. Chem.*, **17**, 2019-2026.
- Janák, K., Becker, G., Colmsjö, A., Östman, C., Athanasiadou, M., Valters, K., and Bergman, Å., (1998), Methyl sulfonyl polychlorinated biphenyls and 2,2-bis(4-chlorophenyl)-1,1-dichloroethene in gray seal tissues determined by gas chromatography with electron capture detection and atomic emission detection, *Environ. Sci. Technol.*, **17**, 1046-1055.
- Johansson, M., Larsson, C., Bergman, Å., and Lund, B.-O., (1998), Structure-activity relationship for inhibition of CYP11B1-dependent glucocorticoid synthesis in Y1 cells by aryl methyl sulfones, *Pharmacol. Toxicol.*, **83**, 225-230.
- Klasson Wehler, E., Bergman, Å., Athanasiadou, M., Ludwig, J. P., Auman, H. J., Kannan, K., van den Berg, M., Murk, A. J., Feyk, L. A., and Giesy, J. P., (1998), Hydroxylated and methylsulphonyl polychlorinated biphenyl metabolites in albatrosses from Midway atoll, North Pacific Ocean, *Environ. Toxicol. Chem.*, **17**, 1620-1625.
- Schuur, A. G., Legger, F. F., van Meeteren, M. E., Moonen, M. J. H., van Leeuwen-Bol, I., Bergman, Å., Visser, T. J., and Brouwer, A., (1998), In vitro inhibition of thyroid hormone sulfation by hydroxylated metabolites of halogenated aromatic hydrocarbons, *Chem. Res. Toxicol.*, **11**, 1075-1081.
- Schuur, A. G., Brouwer, A., Bergman, Å., Coughtrie, M. W. H., and Visser, T. J., (1998), Inhibition of thyroid hormone sulfation by hydroxylated metabolites of polychlorinated biphenyls, *Chem. -Biol. Interact.*, **109**, 293-297.
- Schuur, A. G., van Leeuwen-Bol, I., Jong, W. M. C., Bergman, Å., Coughtrie, M. W. H., Brouwer, A., and Visser, T. J., (1998), In vitro inhibition of thyroid hormone sulfation by polychlorobiphenylols: isozyme specificity and inhibition kinetics, *Toxicol. Sci.*, **45**, 188-194.
- Valters, K., Olsson, A., Asplund, L., and Bergman, Å., (1998), Analysis of organohalogen substances in Latvian freshwater fish - concentrations of PCB and DDE in Perch (*Perca Fluviatilis*), *Crit. Rev. Anal. Chem.*, **28**, 123-128.
- Kimata, K., Hosoya, K., Kuroki, H., Tanaka, N., Barr, J. R., McClure, P. C., Patterson, D. G., Jakobsson, E., and Bergman, Å., (1997), Selectivity of electron-donor- and electron-acceptor-bonded silica packing materials for hydrophobic environmental contaminants in polar and non-polar eluents, *J. Chromatogr. A*, **786**, 237-248.



- Kramer, V. J., Helferich, W. G., Bergman, Å., Klasson Wehler, E., and Giesy, J. P., (1997), Hydroxylated Polychlorinated Biphenyl Metabolites are Anti-estrogenic in a Stably Transfected Human Breast Adenocarcinoma (MCF7) Cell Line., *Toxicol. Appl. Pharmacol.*, **144**, 363-376.
- Lecavalier, P., Chu, I., Yagminas, A., Villeneuve, D. C., Poon, R., Feeley, M., Håkansson, H., Ahlborg, U. G., Valli, V. E., Bergman, Å., Seegal, R. F., and Kennedy, S. W., (1997), Subchronic toxicity of 2,2',3,3',4,4'-hexachlorobiphenyl in rats, *J. Toxicol. Environ. Health*, **51**, 265-277.
- Poon, R., Lecavalier, P., Bergman, Å., Yagminas, A., Chu, I., and Valli, V. E., (1997), Effects of tris(4-chlorophenyl)methanol on the rat following short-term oral exposure, *Chemosphere*, **34**, 1-12.
- Segura-Aguilar, J., Castro, V., and Bergman, Å., (1997), Effects of four organohalogen environmental contaminants on cytochrome P450 forms that catalyze 4- and 2-hydroxylation of estradiol in the rat liver., *Biochem. and Molecular Med.*, **60**, 149-154.
- Chu, I., Villeneuve, D. C., Yagminas, A., Lecavalier, P., Poon, R., Feeley, M., Kennedy, S. W., Seegal, R. F., Håkansson, H., Ahlborg, U. G., Valli, V. E., and Bergman, Å., (1996), Toxicity of 2,2',4,4',5,5'-hexachlorobiphenyl in rats: effects following 90-day oral exposure, *J. Appl. Toxicol.*, **16**, 121-128.
- Chu, I., Villeneuve, D. C., Yagminas, A., Lecavalier, P., Poon, R., Håkansson, H., Ahlborg, U. G., Valli, V. E., Kennedy, S. W., Bergman, Å., Seegal, R. F., and Feeley, M., (1996), Toxicity of 2,4,4'-trichlorobiphenyl in rats following 90-day dietary exposure, *J. Toxicol. Environ. Health*, **49**, 301-318.
- Ferranti, P., Sannolo, N., Mamone, G., Fiume, I., Carbone, V., Törnqvist, M., Bergman, Å., and Malorni, A., (1996), Structural characterization by mass spectrometry of hemoglobin adducts formed after *in vitro* exposure to methyl bromide, *Carcinogenesis*, **17**, 2661-2671.
- Fisk, A. T., Cymbalisty, C. D., Bergman, Å., and Muir, D. C. G., (1996), Dietary accumulation of C<sub>12</sub>- and C<sub>16</sub>-chlorinated alkanes by juvenile rainbow trout (*Oncorhynchus Mykiss*), *Environ. Toxicol. Chem.*, **15**, 1775-1782.
- Moir, D., Viau, A., Chu, I., Klasson Wehler, E., Mörck, A., and Bergman, Å., (1996), Tissue distribution, metabolism, and excretion of 2,4,4'-trichlorobiphenyl (CB-28) in the rat, *Toxicol. Ind. Health*, **12**, 105-121.
- Norén, K., Lundén, Å., Pettersson, E., and Bergman, Å., (1996), Methylsulfonyl metabolites of PCBs and DDE in human milk in Sweden, 1972 - 1992, *Environ. Health Perspect.*, **104**, 766-772.
- Örn, U., Eriksson, L., Jakobsson, E., and Bergman, Å., (1996), Synthesis and characterization of polybrominated diphenyl ethers - unlabelled and radiolabelled tetra-, penta- and hexa-bromodiphenyl ethers, *Acta Chem. Scand.*, **50**, 802-807.
- Bergman, Å., Klasson Wehler, E., Kuroki, H., and Nilsson, A., (1995), Synthesis and mass spectrometry of some methoxylated PCB, *Chemosphere*, **30**, 1921-1938.
- Chu, I., Villeneuve, D. C., Yagminas, A., Lecavalier, P., Håkansson, H., Ahlborg, U. G., Valli, V. E., Kennedy, S. W., Bergman, Å., Seegal, R. F., and Feeley, M., (1995), Toxicity of PCB 77 (3,3',4,4'-tetrachlorobiphenyl) and PCB 118 (2,3',4,4',5-pentachlorobiphenyl) in the rat following subchronic dietary exposure, *Fundam. Appl. Toxicol.*, **26**, 282-292.
- Kuroki, H., Ishimura, N., Masuda, Y., Klasson Wehler, E., and Bergman, Å., (1995), Preliminary studies on the retention of hydroxylated PCDF metabolites in rat blood, *Fukuoka Acta Med.*, **86**, 169-177.
- Letcher, R. J., Norstrom, R. J., and Bergman, Å., (1995), An integrated analytical method for determination of polychlorinated aryl methyl sulfone metabolites and polychlorinated hydrocarbon contaminants in biological matrices, *Anal. Chem.*, **67**, 4155-4163.

- Letcher, R. J., Norstrom, R. J., and Bergman, Å., (1995), Geographical distribution and identification of methyl sulfone PCB and DDE metabolites in pooled polar bear (*Ursus maritimus*) adipose tissue from western hemisphere Arctic and Subarctic regions, *Sci. Total Environ.*, **160/161**, 409-420.
- Olsson, A. and Bergman, Å., (1995), A new persistent contaminant detected in Baltic wildlife: Bis (4-chlorophenyl) sulfone, *Ambio*, **24**, 119-123.
- Asplund, L., Jakobsson, E., Haglund, P., and Bergman, Å., (1994), 1,2,3,5,6,7-hexachloronaphthalene and 1,2,3,4,6,7-hexachloronaphthalene - Selective retention in rat liver and appearance in wildlife, *Chemosphere*, **28**, 2075-2086.
- Bergman, Å. and Haraguchi, K., (1994), Analysis of PCB and DDE methyl sulfones - persistent metabolites of PCB and DDT in biota, *The Standard, Cambridge Isotope Laboratories*, **1**, 1-4.
- Bergman, Å., Norstrom, R. J., Haraguchi, K., Kuroki, H., and Béland, P., (1994), PCB and DDE methyl sulfones in mammals from Canada and Sweden, *Environ. Toxicol. Chem.*, **13**, 121-128.
- Bergman, Å., Klasson Wehler, E., and Kuroki, H., (1994), Selective retention of hydroxylated PCB metabolites in Blood, *Environ. Health Perspect.*, **102**, 464-469.
- Dahlman, H. J., Gaarder, P. I., Lövik, M., Alexander, J., Becher, G., and Bergman, Å., (1994), PCB congeners and the murine immune system: the capacity of isolated congeners to decrease spleen specific antibody forming cell numbers varies with the toxic equivalence factors of the congeners, *Toxicol. in Vitro*, **8**, 1033-1035.
- Janák, K., Grimvall, E., Östman, C., Colmsjö, A., Athanasiadou, M., and Bergman, Å., (1994), Gas chromatography - Atomic emission detection (GC-AED) set-up for bio-monitoring of PCBs and methylsulfonyl-PCBs, *J. Microcolumn Sep.*, **6**, 605-616.
- Darnerud, P. O., Törnwall, U., Bergman, Å., and Brandt, I., (1993), Liver accumulation of 2,3,7,8-tetrachloro-<sup>3</sup>H]dibenzofuran in mice: modulation by treatments with polychlorinated biphenyls, *Chem. - Biol. Interact.*, **89**, 89-102.
- Ekelund, R., Granmo, Å., Magnusson, K., Berggren, M., and Bergman, Å., (1993), Biodegradation of 4-nonylphenol in seawater and sediment, *Environ. Pollut.*, **79**, 59-61.
- Haglund, P., Jakobsson, E., Asplund, L., Athanasiadou, M., and Bergman, Å., (1993), Determination of polychlorinated naphthalenes in polychlorinated biphenyl products via capillary gas chromatography-mass spectrometry after separation by gel permeation chromatography, *J. Chromatogr.*, **634**, 79-86.
- Haraguchi, K., Bergman, Å., Jakobsson, E., and Masuda, Y., (1993), Negative ion chemical ionization mass spectrometry in the analysis of polychlorinated biphenyl methyl sulphones, *Fresenius. J. Anal. Chem.*, **347**, 441-449.
- Haraguchi, K., Kuroki, H., Saito, H., Masuda, Y., and Bergman, Å., (1993), PCB methylsulfone accumulated in muscle of mink dosed with PCB (Clophen A50), *Fukuoka Acta Med.*, **84**, 243-247.
- Hemming, H., Flodström, S., Wärngård, L., Bergman, Å., Kronevi, T., Nordgren, I., and Ahlborg, U. G., (1993), Relative tumour promoting activity of three polychlorinated biphenyls in rat liver, *European J. Pharmacol. - Environm. Toxicol. Pharmacol. Section*, **248**, 163-174.
- Klasson Wehler, E., Lindberg, L., Jönsson, C.-J., and Bergman, Å., (1993), Tissue retention and metabolism of 2,3,4,3',4'-pentachlorobiphenyl in mink and mouse, *Chemosphere*, **27**, 2397-2412.
- Kuroki, H., Haraguchi, K., Saito, H., Masuda, Y., Klasson Wehler, E., and Bergman, Å., (1993), Accumulation of hydroxylated PCB metabolites in blood, *Fukuoka Acta Med.*, **84**, 248-256.

- Törnwall, U., Bergman, Å., Brandt, I., and Darnerud, P. O., (1993), Distribution of 2,3,7,8-tetrachloro-<sup>3</sup>H]dibenzofuran in mice: Modulation by treatments with polychlorinated biphenyls, *Chem. -Biol. Interact.*, **89**, 89-102.
- Bakke, J. E., Huwe, J. K., Mulford, D. J., and Bergman, Å., (1992), Metabolism of 1,2,4-trichlorobenzene in rats: examination of thiol formation, *Xenobiotica*, **22**, 199-210.
- Bergman, Å., Athanasiadou, M., Bergek, S., Haraguchi, K., Jensen, S., and Klasson Wehler, E., (1992), PCB and PCB methyl sulfones in mink treated with PCB and various PCB fractions, *Ambio*, **21**, 570-576.
- Haraguchi, K., Athanasiadou, M., Bergman, Å., Hovander, L., and Jensen, S., (1992), PCB and PCB methyl sulfones in selected groups of seals from Swedish waters, *Ambio*, **21**, 546-549.
- Ingebrigtsen, K., Hektoen, H., Andersson, T., Klasson Wehler, E., Bergman, Å., and Brandt, I., (1992), Enrichment of metabolites in the cerebrospinal fluid of cod (*Gadus morhua*) following oral administration of hexachlorobenzene and 2,4',5-trichlorobiphenyl, *Pharmacol. Toxicol.*, **71**, 420-425.
- Jakobsson, E., Eriksson, L., and Bergman, Å., (1992), Synthesis and chrystallography of 1,2,3,4,6,7-hexachloronaphtalene and 1,2,3,5,6,7-hexachloronaphtalene, *Acta Chem. Scand.*, **46**, 527-532.
- Jönsson, C.-J., Lund, B.-O., Bergman, Å., and Brandt, I., (1992), Adrenocortical toxicity of 3-methylsulphonyl-DDE; 3: studies in fetal and suckling mice, *Reproductive Toxicology*, **6**, 233-240.
- Kihlström, J. E., Olsson, M., Jensen, S., Johansson, Å., Ahlbom, J., and Bergman, Å., (1992), Effects of PCB and different fraktions of PCB on the reproduction of the mink (*Mustela vison*), *Ambio*, **21**, 563-569.
- Larsen, G. L., Huwe, J. K., Bergman, Å., Klasson Wehler, E., and Hargis, P., (1992), Methylsulfonyl metabolites of xenobiotics can serve as ligands for fatty acid binding proteins in chicken liver and intestinal mucosa, *Chemosphere*, **25**, 1189-1194.
- Olsson, M., Andersson, Ö., Bergman, Å., Blomkvist, G., Frank, A., and Rappe, C., (1992), Contaminants and diseases in seals from Swedish waters, *Ambio*, **21**, 561-562.
- Andersson, L., Nikolaidis, E., Brunström, B., Bergman, Å., and Dencker, L., (1991), Effects of polychlorinated biphenyls with Ah receptor affinity on lymphoid development in the thymus and bursa of fabricius of chick embryos *in Ovo* and in mouse thymus anlagen *in Vitro*, *Toxicol. Appl. Pharmacol.*, **107**, 183-188.
- Haraguchi, K. and Bergman, Å., (1991), Synthesis of <sup>14</sup>C-labelled PCB methyl sulphones, *Chemosphere*, **23**, 1837-1843.
- Haraguchi, K., Masuda, Y., Bergman, Å., and Olsson, M., (1991), PCB methyl sulphone: Comparison of tissue levels in Baltic grey seals and a Yusho patient, *Fukuoka Acta Med.*, **82**, 269-273.
- Jansson, B., Andersson, R., Asplund, L., Bergman, Å., Litzén, K., Nylund, K., Reutergårdh, L., Sellström, U., Uvemo, U.-B., Wahlberg, C., and Wideqvist, U., (1991), Multiresidue method for the gas-chromatographic analysis of some polychlorinated and polybrominated pollutants in biological samples, *Fresenius. J. Anal. Chem.*, **340**, 439-445.
- Jönsson, C.-J., Rodriguez-Martinez, H., Lund, B.-O., Bergman, Å., and Brandt, I., (1991), Adrenocortical toxicity of 3-methylsulfonyl-DDE in mice. II Mitochondrial changes following ecologically relevant doses, *Fundam. Appl. Toxicol.*, **16**, 365-374.
- Larsen, G. L., Bergman, Å., Klasson Wehler, E., and Bass, N. M., (1991), A methylsulfonyl metabolite of a polychlorinated biphenyl can serve as a ligand for liver fatty acid binding protein in rat intestinal mucosa, *Chem. -Biol. Interact.*, **77**, 315-323.

- Bergman, Å., Nilsson, A., Riego, J., and Örn, U., (1990), Synthesis of <sup>14</sup>C-labelled and unlabelled coplanar polychlorinated biphenyls (PCBs), *Acta Chem. Scand.*, **44**, 1071-1076.
- Ekelund, R., Bergman, Å., Granmo, Å., and Berggren, M., (1990), Bioaccumulation of 4-nonylphenol in marine animals - A re-evaluation, *Environ. Pollut.*, **64**, 107-120.
- Ingebrigtsen, K., Hektoen, H., Andersson, T., Bergman, Å., and Brandt, I., (1990), Species-specific accumulation of the polychlorinated biphenyl (PCB) 2,3,3',4,4'-pentachlorobiphenyl in fish brain: A comparison between cod (*Gadus morhua*) and rainbow trout (*Oncorhynchus mykiss*), *Pharmacol. Toxicol.*, **67**, 344-345.
- Klasson Wehler, E., Brunström, B., Rannug, U., and Bergman, Å., (1990), 3,3',4,4'-Tetrachlorobiphenyl: Metabolism by the chick embryo in ovo and toxicity of hydroxylated metabolites, *Chem. -Biol. Interact.*, **73**, 121-132.
- Larsen, G. L., Bergman, Å., and Klasson Wehler, E., (1990), A methylsulphonyl metabolite of a polychlorinated biphenyl can serve as a ligand for  $\alpha_2\mu$ -globin in rat and major-urinary-protein in mice, *Xenobiotica*, **20**, 1343-1352.
- Norén, K., Lundén, Å., Sjövall, J., and Bergman, Å., (1990), Coplanar polychlorinated biphenyls in Swedish human milk, *Chemosphere*, **20**, 935-941.
- Darnerud, P. O., Bergman, Å., Lund, B.-O., and Brandt, I., (1989), Selective accumulation of chlorinated paraffins (C<sub>12</sub> and C<sub>16</sub>) in the olfactory organ of rainbow trout, *Chemosphere*, **18**, 1821-1827.
- Haglund, E. and Bergman, Å., (1989), Synthesis of hexa- and heptachloronaphthalenes, *Chemosphere*, **19**, 195-200.
- Klasson Wehler, E., Jönsson, J., Bergman, Å., Brandt, I., and Darnerud, P. O., (1989), 3,3',4,4'-tetrachlorobiphenyl and 3,3',4,4',5-pentachlorobiphenyl - tissue-localization and metabolic fate in the mouse, *Chemosphere*, **19**, 809-812.
- Klasson Wehler, E., Bergman, Å., Brandt, I., Darnerud, P. O., and Wachtmeister, C. A., (1989), 3,3',4,4'-Tetrachlorobiphenyl. Excretion and tissue retention of hydroxylated metabolites in the mouse, *Drug Metab. Dispos.*, **17**, 441-448.
- Lund, B.-O., Bergman, Å., and Brandt, I., (1989), In vitro macromolecular binding of 2-(2-chlorophenyl)-2-(4-chlorophenyl)-1,1-dichloroethane (*o,p'*-DDD) in the mouse lung and liver, *Chem. -Biol. Interact.*, **70**, 63-72.
- Lund, B.-O., Ghantous, H., Bergman, Å., and Brandt, I., (1989), Covalent binding of four DDD isomers in the mouse lung: Lack of structure specificity, *Pharmacol. Toxicol.*, **65**, 282-286.
- Bergman, Å., Blomkvist, G., and Örn, U., (1988), Tri- and tetrachlorophenyl methyl sulphones identified in lettuce, potatoes and soil, *Chemosphere*, **17**, 717-725.
- Bergman, Å., (1988), Om miljögifter, *Biologen, medlemsblad för biologilärarnas förening*, **3**, 9-22.
- Gillner, M., Lund, J., Cambillau, C., Alexandersson, M., Hurtig, U., Bergman, Å., Klasson Wehler, E., and Gustafsson, J.-Å., (1988), The binding of methylsulfonyl-polychloro-biphenyls to uteroglobine, *J. Steroid Biochem.*, **31**, 27-33.
- Lund, B.-O., Bergman, Å., and Brandt, I., (1988), Metabolic activation and toxicity of a DDT-metabolite, 3-methylsulphonyl-DDE, in the adrenal *Zona Fasciculata* in mice, *Chem. -Biol. Interact.*, **65**, 25-40.
- Wachtmeister, C. A., Bergman, Å., Lund, B.-O., and Brandt, I., (1988), Synthesis of 1,1-dichloro-3-methyl-<sup>14</sup>C-dimethyl sulfone and studies on its disposition in fish and mice, *Wat. Sci. Tech.*, **20**, 181.

- Bergman, Å. and Wachtmeister, C. A., (1987), Phase transfer mediated synthesis of radiolabelled alkyl aryl ethers and sulphides, *J. Labelled Comp. Radiopharm.*, **24**, 925-930.
- Brandt, I. and Bergman, Å., (1987), PCB methyl sulphones and related compounds: Identification of target cells and tissues in different species, *Chemosphere*, **16**, 1671-1676.
- d'Argy, R., Dencker, L., Klasson Wehler, E., Bergman, Å., Darnerud, P. O., and Brandt, I., (1987), 3,3',4,4'-Tetrachlorobiphenyl in pregnant mice: Embryotoxicity, teratogenicity, and toxic effects on the cultured embryonic thymus, *Pharmacol. Toxicol.*, **61**, 53-57.
- Haglund, P., Alsberg, T., Bergman, Å., and Jansson, B., (1987), Analysis of halogenated polycyclic aromatic hydrocarbons in urban air, snow and automobile exhaust, *Chemosphere*, **16**, 2441-2450.
- Klasson Wehler, E., Bergman, Å., Kowalski, B., and Brandt, I., (1987), Metabolism of 2,3,4',6-tetrachlorobiphenyl: Formation and tissue localization of mercapturic acid pathway metabolites in mice, *Xenobiotica*, **17**, 477-486.
- Lindholm, A., Klasson Wehler, E., Wehler, T., and Bergman, Å., (1987), Synthesis of <sup>14</sup>C-labelled DDD isomers of high specific activity, *J. Labelled Comp. Radiopharm.*, **24**, 1011-1019.
- Sellström, U., Jansson, B., Bergman, Å., and Alsberg, T., (1987), Selective and sensitive analysis of Nitro-PAH, *Chemosphere*, **16**, 945-952.
- Darnerud, P. O., Brandt, I., Klasson Wehler, E., Bergman, Å., d'Argy, R., Dencker, L., and Sperber, G. O., (1986), 3,3',4,4'-Tetrachloro[<sup>14</sup>C]biphenyl in pregnant mice: enrichment of phenol and methyl sulphone metabolites in late gestational fetuses, *Xenobiotica*, **16**, 295-306.
- Lund, B.-O., Bergman, Å., and Brandt, I., (1986), Decreased pulmonary drug metabolism in mice treated with the PCB metabolite 4-methylsulphonyl-2,2',5,5'-tetrachlorobiphenyl, *Toxicol. Lett.*, **32**, 261-267.
- Åhlman, M., Bergman, Å., Darnerud, P. O., Egestad, B., and Sjövall, J., (1986), Chlorinated paraffins: formation of sulphur-containing metabolites of polychlorohexadecane in rats, *Xenobiotica*, **16**, 225-232.
- Brandt, I., Lund, J., Bergman, Å., Klasson Wehler, E., Poellinger, L., and Gustafsson, J.-Å., (1985), Target cells for the polychlorinated biphenyl metabolite 4,4'-bis(methylsulfonyl)-2,2',5,5'-tetrachlorobiphenyl in lung and kidney, *Drug Metab. Dispos.*, **13**, 490-496.
- Lund, J., Brandt, I., Poellinger, L., Bergman, Å., Klasson Wehler, E., and Gustafsson, J.-Å., (1985), Target cells for the Polychlorinated biphenyl metabolite 4,4'-bis(methylsulphonyl)-2,2',5,5'-tetrachlorobiphenyl: Characterization of high-affinity binding in rat and mouse lung cytosol, *Mol. Pharmacol.*, **27**, 314-323.
- Bergman, Å., Hagman, A., Jacobsson, S., Jansson, B., and Åhlman, M., (1984), Thermal degradation of polychlorinated alkanes, *Chemosphere*, **13**, 237-250.
- Bergman, Å., Reutergårdh, L., and Åhlman, M., (1984), Determination of polychlorinated biphenyls in commercial silica gel by capillary gas chromatography, *J. Chromatogr.*, **291**, 392-397.
- Brandt, I., Darnerud, P. O., and Bergman, Å., (1984), Degradation to <sup>14</sup>CO<sub>2</sub> of 4,4'-bis[(2-<sup>14</sup>C)-ethylsulphonyl]-2,2',5,5'-tetrachlorobiphenyl, *Acta Pharmacol. Toxicol.*, **55**, 429-430.
- Bakke, J. E., Bergman, Å. L., Brandt, I., Darnerud, P. O., and Struble, C., (1983), Metabolism of the mercapturic acid of 2,4',5-trichlorobiphenyl in rats and mice, *Xenobiotica*, **13**, 597-605.
- Bakke, J. E., Feil, V. J., and Bergman, Å., (1983), Metabolites of 2,4',5-trichlorobiphenyl in rats, *Xenobiotica*, **13**, 555-564.

- Bergman, Å. L., Bakke, J. E., and Feil, V. J., (1983), Synthesis of 2,4',5-trichloro[<sup>14</sup>C]biphenyl mercapturic acids, *J. Labelled Comp. Radiopharm.*, **20**, 961-966.
- Darnerud, P. O., Bengtsson, B.-E., Bergman, Å., and Brandt, I., (1983), Chlorinated Paraffins: Disposition of a polychloro-[1-<sup>14</sup>C]hexadecane in carp (*Cyprinus Carpio*) and bleak (*Alburnus Alburnus*), *Toxicol. Lett.*, **19**, 345-351.
- Klasson Wehler, E., Bergman, Å. L., and Wachtmeister, C. A., (1983), Synthesis of 4,4'-bis([<sup>3</sup>H]methylsulphonyl)-2,2',5,5'-tetrachlorobiphenyl, *J. Labelled Comp. Radiopharm.*, **20**, 1407-1412.
- Bakke, J. E., Bergman, Å. L., and Larsen, G. L., (1982), Metabolism of 2,4',5-trichlorobiphenyl by the mercapturic acid pathway, *Science*, **217**, 645-647.
- Bergman, Å., Brandt, I., Darnerud, P. O., and Wachtmeister, C. A., (1982), Metabolism of 2,2',5,5'-tetrachlorobiphenyl: Formation of mono- and bis-methyl sulphone metabolites with a selective affinity for the lung and kidney tissues in mice, *Xenobiotica*, **12**, 1-7.
- Bergman, Å., Biessmann, A., Brandt, I., and Rafter, J., (1982), Metabolism of 2,4',5-trichlorobiphenyl: Role of the intestinal microflora in the formation of bronchial-seeking methyl sulphone metabolites in mice, *Chem. -Biol. Interact.*, **40**, 123-131.
- Bergman, Å., Larsen, G. L., and Bakke, J. E., (1982), Biliary secretion, retention and excretion of five <sup>14</sup>C-labelled polychlorinated biphenyls in the rat, *Chemosphere*, **11**, 249-253.
- Brandt, I., Klasson Wehler, E., Rafter, J., and Bergman, Å., (1982), Metabolism of 2,4',5-trichlorobiphenyl: Tissue concentrations of methylsulphonyl-2,4',5-trichlorobiphenyl in germfree and conventional mice, *Toxicol. Lett.*, **12**, 273-280.
- Brandt, I., Darnerud, P. O., Bergman, Å., and Larsson, Y., (1982), Metabolism of 2,4',5-trichlorobiphenyl: Enrichment of hydroxylated and methyl sulphone metabolites in the uterine luminal fluid of pregnant mice, *Chem. -Biol. Interact.*, **40**, 45-56.
- Ganning, A. E., Klasson, E., Bergman, Å., Brunk, U., and Dallner, G., (1982), Effect of phthalate ester metabolites on rat liver, *Acta Chem. Scand.*, **B36**, 563-565.
- Bergman, Å., Leonardsson, I., and Wachtmeister, C. A., (1981), Synthesis of polychlorinated [<sup>14</sup>C]alkanes (PCA) of high specific activity, *Chemosphere*, **10**, 857-863.
- Brandt, I. and Bergman, Å., (1981), Bronchial mucosal and kidney cortex affinity of 4- and 4,4'-substituted sulphur-containing derivatives of 2,2',5,5'-tetrachlorobiphenyl in mice, *Chem. -Biol. Interact.*, **34**, 47-55.
- Bergman, Å., Bamford, I., and Wachtmeister, C. A., (1980), Synthesis of <sup>14</sup>C-labelled polychlorobiphenyls derived from the labelled 4-chloro-, 2,5-dichloro-, 3,4-dichloro-, 2,3-dichloro-, 2,4,5-trichloro- and 2,3,6-trichloroanilines, *J. Labelled Comp. Radiopharm.*, **18**, 1023-1032.
- Bergman, Å., Brandt, I., Larsson, Y., and Wachtmeister, C. A., (1980), Cysteine and methionine - precursors of methyl sulphone metabolites of 2,4',5-trichlorobiphenyl in mice, *Chem. -Biol. Interact.*, **31**, 65-71.
- Bergman, Å., Jansson, B., and Bamford, I., (1980), Methylthio- and methylsulfonylpolychlorobiphenyls: Synthesis and studies of correlations between structure and fragmentation pattern on electron impact, *Biomed. Mass Spectrom.*, **7**, 20-27.
- Bergman, Å., Brandt, I., and Jansson, B., (1979), Accumulation of methylsulfonyl derivatives of some bronchial-seeking polychlorinated biphenyls in the respiratory tract of mice, *Toxicol. Appl. Pharmacol.*, **48**, 213-220.

Bergman, Å. and Wachtmeister, C. A., (1978), Synthesis of methylthio- and methylsulfonyl-polychlorobiphenyls via nucleophilic aromatic substitution of certain types of polychlorobiphenyls, *Chemosphere*, **7**, 949-956.

Hulth, L., Höglund, L., Bergman, Å., and Möller, L., (1978), Convulsive properties of Lindane, Lindane metabolites, and the Lindane isomer  $\beta$ -Hexachlorocyclohexane: Effects on the convulsive threshold for Pentylentetrazol and the brain content of  $\beta$ -Aminobutyric acid (GABA) in the mouse, *Toxicol. Appl. Pharmacol.*, **46**, 101-108.

Jansson, B. and Bergman, Å., (1978), Sulfur-containing derivatives of Hexachlorobenzene (HCB) - metabolites in the rat, *Chemosphere*, **7**, 257-268.

Bergman, Å. and Wachtmeister, C. A., (1977), Synthesis of methanesulfonyl derivatives of 2,2-Bis(4-chlorophenyl)-1,1-dichloroethylene (*p,p'*-DDE), present in seal from the Baltic, *Acta Chem. Scand.*, **B 31**, 90-91.

Bergman, Å. and Wachtmeister, C. A., (1977), Synthesis of [<sup>14</sup>C]Biphenyl and of some chlorinated [<sup>14</sup>C]Biphenyls containing 4-chloro-, 2,4-dichloro- and 2,3,6-trichlorophenyl nuclei from the corresponding labelled anilines, *Chemosphere*, **6**, 759-767.

Bergman, Å., Göthe, R., and Wachtmeister, C. A., (1976), Impregnation of silica gel with tetraalkylammonium salts in adsorption chromatography of neutral aromatic compounds, *J. Chromatogr.*, **123**, 231-236.

Brandt, I., Bergman, Å., and Wachtmeister, C. A., (1976), Distribution of polychlorinated biphenyls: Structural requirements for accumulation in the mouse bronchial mucosa, *Experientia*, **32**, 497-498.

### Peer reviewed Extended Abstracts (139)

Zhou YH, Asplund L, Yin G, Qiu YL, Bignert A, Zhu ZL, Zhao JF, Bergman Å (2015). Polychlorinated Biphenyl together with Polybrominated Diphenyl Ethers in Whiskered Tern (*Chlidonias hybrid*) from East Tai Lake. 7th International Symposium on Brominated Flame Retardants, Beijing, April 22-24, 2015

Ge Yin G, Zhou Y, Asplund L, Athanassiadis I, Wideqvist U, Qiu Y, Zhu, Z, Zhao J, Bergman Å (2015) Significant Chlorinated Paraffin Concentrations Together with Traditional and Emerging Pollutants in Wildlife from a Yangtze River Delta Area Site 7th International Symposium on Brominated Flame Retardants, Beijing, April 22-24, 2015

Bordajandi, LR., Bergman, Å., Boobis, A., Ceccatelli, S., Cravedi, JP., Filipič, M., Fürst, P., Gustavsson, N., Johansson, N., Knutsen, HK., Machala, M., Merletti, F., Päpke, O., Schrenk, D., Van Leeuwen, FXR., Van Leeuwen, S., (2013), EFSA's risk assessments on brominated flame retardants (BFRs): Emerging and novel BFRs, *The Sixth International Workshop on Brominated Flame Retardants, BFR 2013*, San Francisco, CA, USA

Rydén, A., Bergman, Å., Law, RJ., de Boer, J. Covaci, A., Alaei, M., Birnbaum, L., Petreas, M., Rose, M., Sakai, S., Van den Eede, N., van der Veen, I., (2013), A novel abbreviation standard for organobromine, organochlorine and organophosphorus flame retardants, *The Sixth International Workshop on Brominated Flame Retardants, BFR 2013*, San Francisco, CA, USA

Strid, A., Lundgren, H., Athanassiadis, I., Jakobsson, K., Bergman, Å., Smedje, G., (2013), Exposure to brominated flame retardants during maintenance work in aircrafts, *The Sixth International Workshop on Brominated Flame Retardants, BFR 2013*, San Francisco, CA, USA

Fång, J., Nyberg, E., Winnberg, U., Bignert, A., Bergman, Å., (2013), Environmental pollutants in mothers' milk – A compilation focused on brominated flame retardants, *The Sixth International Workshop on Brominated Flame Retardants, BFR 2013*, San Francisco, CA, USA

Strid, A., Lindgren, T., Athanassiadis, I., Jakobsson, K., Smedje, G., Bergman, Å., (2013), Exposure to brominated flame retardants among pilots and cabin crew in aircrafts, *The Sixth International Workshop on Brominated Flame Retardants, BFR 2013*, San Francisco, CA, USA

Bordajandi LR., Scaravelli E., Bergman Å., Boobis A., Ceccatelli S., Cravedi JP., Filipič M., Fürst P., Johansson N., Knutsen HK., Machala M., Merletti F., Pöpke O., Schrenk D., Van Leeuwen FXR., Van Leeuwen S., Zeilmaker M. (2011), EFSA's Risk Assessment on Brominated Flame Retardants (BFRs). *Organohalogen Compounds*, <http://www.dioxin20xx.org/query.cfm>

Norrgran, J, Athanassiadis, I, Jones, B, Lindquist, N-G, Bergman, A (2012), Are serum levels of brominated flame retardants and thyroid status correlated in cats? . *Organohalogen Compounds*, <http://www.dioxin20xx.org/query.cfm>

Bergman, A (2012), Human and wildlife exposure to endocrine disruptors with emphasis on persistent and bioaccumulative chemicals. *Organohalogen Compounds*, <http://www.dioxin20xx.org/query.cfm>

Scheringer, M, Backhaus, T, Bergman, A, de Wit, CA, Diamond, M, Hauschild, M, Holoubek, I, Lohmann, R, Molander, S, Arvidsson, R, Persson, L, Suzuki, N, Vighi, M, Zetzsch, C (2012), Planetary boundaries for chemical pollution. *Organohalogen Compounds*, <http://www.dioxin20xx.org/query.cfm>

Bergman, A, Ryden, A, Law, RJ, De Boer, J, Covaci, A, Alaee, M, Birnbaum, L, Petreas, M, Rose, M, Sakai, S, van den Eede, N, van der Veen, I (2012), A new standard of abbreviations for brominated, chlorinated and phosphorus containing flame retardants. *Organohalogen Compounds*, <http://www.dioxin20xx.org/query.cfm>

Dahlberg, A-K, Legradi, J, Cenijn, P, Marsh, G, Asplund, L, Bergman, Å, Legler, J (2012), Disruption of oxidative phosphorylation (OXPHOS) by hydroxylated polybrominated diphenyl ethers (OH-PBDEs) . *Organohalogen Compounds*, <http://www.dioxin20xx.org/query.cfm>

Asplund, L., Löfstrand, K., Malmvärn, A., Nylund, K., Eriksson, U., Bergman, Å., (2010), OH-PBDEs and MeO-PBDEs in Swedish marine and fresh water environment- an overview, *Organohalogen compounds*, **72**, San Antonio, TX, USA

Bergman, Å., Lindgren, T., Smedje, G., Jakobsson, K., Athanassiadis, I., Athanasiadou, M., Meyer, E., (2010), PBDEs and non-PBDEs in aircraft cabin and cockpit air and dust, *Organohalogen compounds*, **72**, San Antonio, TX, USA

Granelli, L., Eriksson, J., Athanasiadou, M., Bergman, Å., (2010), Reductive debromination of nonabrominated diphenyl ethers, *The Fifth International Workshop on Brominated Flame Retardants, BFR 2010*, Kyoto, Japan

Fång, J., Jakobsson, K., Athanasiadou, M., Rignell-Hydbom, A., Bergman, Å., (2010), Transfer of polybrominated diphenylethers (PBDEs) from mother to child, *Organohalogen compounds*, **72**, San Antonio, TX, USA



- Linderholm, L., Athanasiadou, M., Jakobsson, K., Bergman, Å., (2010), Persistent organic pollutants in children working and living at urban waste disposal sites in Nicaragua and Bangladesh, *Organohalogen compounds*, **72**, San Antonio, TX, USA
- Löfstrand, K., Malmvärn, A., Bergman, Å., Asplund, L., (2010), Trends and exposure of OH-PBDEs, MeO-PBDEs and PBDEs in baltic Biota, *Organohalogen compounds*, **72**, San Antonio, TX, USA
- MacInnis, G., Letcher, R., McKinney, M., Tomy, G.T., Lebeuf, M., Fång, J., Bergman, Å., Marvin, C.H., (2010), Investigation of HBCD metabolism in marine mammals from Canada using a hepatic microsomal *in vitro* bioassay approach and comparison with field samples, *Organohalogen compounds*, **72**, San Antonio, TX, USA
- Norrgran, J., Bergman, Å., Jones, B., Lindquist, N.-G., (2010), Polybrominated diphenyl ethers and their metabolites, a potential cause for the development of the endocrine disorder hyperthyroidism in cats, *Organohalogen compounds*, **72**, San Antonio, TX, USA
- Westerink, R.H.S., Heusinkveld, H.J., Bergman, Å., van den Berg, M., Dingemans, M.M.L., (2010), Inhibition of the depolarization-evoked increase in intracellular calcium levels and catecholamine exocytosis by hexabromocyclododecane (HBCD) in PC12 cells, *Organohalogen compounds*, **72**, San Antonio, TX, USA
- Westerink, R.H.S., van den Berg, M., Bergman, Å., Dingemans, M.M.L., (2010), Hydroxylation increases the neurotoxic potential of the brominated flame retardant BDE-47: The structure of BDE-47 Metabolites determines the potency to affect calcium homeostasis in PC12 cells, *Organohalogen compounds*, **72**, San Antonio, TX, USA
- Björk, C., Nenonen, H., Giwercman, A., Bergman, Å., Rylander, L., Lundberg Giwercman, Y., (2009), The impact of CB-153 and p,p'-DDE on androgen receptor function, *Organohalogen compounds*, **71**, Beijing, China, 816-819
- Kupryianchuk, D., Hovander, L., Jones, B., Lindqvist, N.G., Eriksson, S., Bergman, Å., (2009), Hyperthyroidism, a new disease in cats - Is it caused by exposure to environmental organic pollutants?, *Organohalogen compounds*, **71**, Beijing, China, 2720-2725
- Linderholm, L., Athanasiadou, M., Norrgren, H., Bergman, Å., Jakobsson, K., (2009), Assessment of persistent organic pollutants (POPs) in serum from Guinea-Bissau, Western Africa - a time trend study, *Organohalogen compounds*, **71**, Beijing, China, 2041-2043
- Lunder, S., Hovander, L., Bergman, Å., (2009), Polybrominated diphenyl ethers in serum from Californian mother – child pairs, *Organohalogen compounds*, **71**, Beijing, China, 2726-2730
- Rydén, A., Nestor, G., Athanasiadou, M., Cuadra, S.N., Jakobsson, K., Bergman, Å., Marsh, G., (2009), Synthesis and identification of hydroxylated polybrominated diphenyl ethers in human blood, *Organohalogen compounds*, **71**, Beijing, China, 2044-2048
- Sundström, M., Hart, J.A., Chang, S.C., Ehresman, D.J., Gorman, G.S., Noker, P.E., Olsen, G.W., Bergman, Å., Butenhoff, J.L., (2009), Comparative pharmacokinetics of perfluorohexanesulfonate (PFHxS) in rats and monkeys, *Organohalogen compounds*, **71**, Beijing, China, 1191-1196
- Jörundsdóttir, H., Mattiasson, K., Svavarsson, J., Tomy, G.T., Weihe, P., Bignert, A., and Bergman, Å., (2008), Concentrations of organohalogen compounds in the West-Nordic compared to the Baltic Region, *TemaNord*, Copenhagen, Denmark

- Löfstrand, K., Athanassiadis, I., Bergman, Å., and Asplund, L., (2008), 6-hydroxylated-2,2',4,4'-tetrabromodiphenyl ether in herring (*Clupea harengus*) plasma from The Baltic Sea, *Organohalogen compounds*, **70**, Birmingham, England UK, 1625-1628
- Meijer, L., Brouwer, A., de Jong, F.H.J., Bergman, Å., and Sauer, P.J.J., (2008), Influence of prenatal exposure to selected organohalogens on infant sexual and neurological development, *Organohalogen compounds*, **70**, Birmingham, England UK, 658-661
- Strid, A., Athanasiadou, M., Athanassiadis, I., Svavarsson, J., and Bergman, Å., (2008), Brominated organic compounds in a high trophic arctic fish species, Greenland shark (*Somniosus microcephalus*), *Organohalogen compounds*, **70**, Birmingham, England UK, 817-820
- Bergman, Å. and van den Berg, M., (2007), Some bifocal views of risks of BFRs, *Organohalogen Compounds*, **69**, Tokyo, Japan, 7-9
- Cantillana, T., Hermansson, V., Brandt, I., and Bergman, Å., (2007), Enantiomer fractions of *o,p'*-DDD in plasma and tissues from Göttingen minipigs, *Organohalogen Compounds*, **69**, Tokyo, Japan, 271-274
- Linderholm, L., Hovander, L., Kocan, A., Trnovec, T., Hertz-Picciotto, I., and Bergman, Å., (2007), Human exposure to PCB and PCB metabolites in a hot-spot area in Eastern Slovakia, *Organohalogen Compounds*, **69**, Tokyo, Japan, 750-753
- Linderholm, L., Masuda, Y., Athanasiadou, M., and Bergman, Å., (2007), PCB and PCB metabolites in serum from Yusho patients 37 years after the accident, *Organohalogen Compounds*, **69**, Tokyo, Japan, 2141-2144
- Löfstrand, K., Malmvärn, A., Haglund, P., Bignert, A., Bergman, Å., and Asplund, L., (2007), PBDD, MeO-PBDE, OH-PBDE and brominated phenols in blue mussels from the Swedish coast line, *Organohalogen Compounds*, **69**, Tokyo, Japan, 287-290
- Mamun, M.I.R., Zamir, R., Nahar, N., Mosihuzzaman, M., Linderholm, L., Athanasiadou, M., and Bergman, Å., (2007), Traditional organochlorine pollutants in blood from humans living in the Bangladesh capital area, *Organohalogen Compounds*, **69**, Tokyo, Japan, 2026-2030
- Scheringer, M., Bergman, Å., Fiedler, H., Holoubek, I., Suzuki, N., and Zetzsch, C., (2007), The international panel on chemical pollution (IPCP): Background and perspectives, *Organohalogen Compounds*, **69**, Tokyo, Japan, 528-531
- Teclechiel, D., Sundström, M., Bergman, Å., and Marsh, G., (2007), Improved synthesis of polybrominated diphenyl ethers via iodonium salt coupling, *Organohalogen Compounds*, **69**, Tokyo, Japan, 2724-2727
- Athanasiadou, M., Fängström, B., Hovander, L., and Bergman, Å., (2006), MeSO<sub>2</sub>-PCBs in human blood from Sweden, The Faroe Islands and Slovakia, *Organohalogen Compounds*, **68**, Oslo, Norway, 472-475
- Bergman, Å. and Eriksson, J., (2006), Predicting persistence and bioaccumulation of chemicals, *Organohalogen Compounds*, **68**, Oslo, Norway, 269-272
- Bergman, Å., Athanasiadou, M., Fäldt, E., and Jakobsson, K., (2006), Hydroxylated PBDE metabolites in human blood, *Organohalogen Compounds*, **68**, Oslo, Norway, 635-638
- Cantillana, T., Hermansson, V., Hovander, L., Brandt, I., and Bergman, Å., (2006), Analysis of chiral *o,p'*-DDD in plasma and adipose tissue from Göttingen minipigs, *Organohalogen Compounds*, **68**, Oslo, Norway, 992-995

- Fängström, B., Athanassiadis, I., Strid, A., Odsjö, T., Guvenius, D., Norén, K., and Bergman, Å., (2006), Temporal trends of PBDEs and HBCDD in milk from Stockholm mothers, 1980-2004, *Organohalogen Compounds*, **68**, Oslo, Norway, 774-777
- Hermansson, V., Cantillana, T., Törneke, K., Ljungvall, K., Magnusson, U., Bergman, Å., and Brandt, I., (2006), Long-term kinetics of 3-MeSO<sub>2</sub>-DDE following a single oral dose in minipigs, *Organohalogen Compounds*, **68**, Oslo, Norway, 1713-1716
- Hertz-Picciotto, I., Trnovec, T., Palkovicova, L., Park, H.-Y., Park, J.-S., Sonneborn, D., Nguyen, D., Jureckova, D., Drobna, B., Linderholm, L., Bergman, Å., Yu, Z., and Kocan, A., (2006), Early childhood development and PCB exposure in Slovakia, *Organohalogen Compounds*, **68**, Oslo, Norway, 813-816
- Malmvärn, A., Zebühr, Y., Kautsky, L., Bergman, Å., Takeshi, N., and Asplund, L., (2006), Hydroxylated- and methoxylated- polybrominated diphenyl ethers and polybrominated dibenzo-*p*-dioxins in red alga from the Baltic Sea, *Organohalogen Compounds*, **68**, Oslo, Norway, 1004-1007
- Moreira Bastos, P., Eriksson, J., Green, N., and Bergman, Å., (2006), Chemical reactivity as a tool for prediction of persistence, *Organohalogen Compounds*, **68**, Oslo, Norway, 360-363
- Norström, K. and Bergman, Å., (2006), Chiral PCB methyl sulfones and their metabolic formation, *Organohalogen Compounds*, **68**, Oslo, Norway, 21-24
- Strid, A., Tomy, T., Ismail, N., Pöpke, O., Svavarsson, J., and Bergman, Å., (2006), Halogenated environmental pollutants in Greenland shark (*Somniosus microcephalus*) from the North-east Atlantic, *Organohalogen Compounds*, **68**, Oslo, Norway, 2055-2058
- Weiss, J. and Bergman, Å., (2006), An attempt to evaluate the risk of the present human exposure to PCDD/F, PCB, PBDE and HBCDD in Europe, *Organohalogen Compounds*, **68**, Oslo, Norway, 822-825
- Bergman, Å., (2005), The abysmal failure of preventing human and environmental exposure to persistent brominated flame retardants: A brief historical review, *Commemorating 25 years of Dioxin symposia*, Eds.: Alae, M., Reiner, E., and Clement, R., Dioxin 05 Symposium, Toronto, Canada, 32-40
- Christiansson, A., Teclechiel, D., Eriksson, J., Marsh, G., and Bergman, Å., (2005), Isomer specific synthesis of three nonabrominated diphenyl ethers and a chloro-nonabromodiphenyl ether, *Organohalogen Compounds*, **67**, Toronto, Canada, 486-489
- Fäldt, E., Cuadra, S.N., Athanasiadou, M., Bergman, Å., and Jakobsson, K., (2005), Polybrominated diphenyl ethers (PBDEs) in serum from teenagers working in a waste disposal site, and in women with high consumption of fish in Nicaragua, *Organohalogen Compounds*, **67**, Toronto, Canada, 502-504
- Jakobsson, K., Athanasiadou, M., Christiansson, A., Bergman, Å., and Hagmar, L., (2005), Polybrominated diphenyl ethers (PBDEs) in serum from Swedish men 1988-2002. A longitudinal study, *Organohalogen Compounds*, **67**, Toronto, Canada, 533-536
- López Guzmán, O.D., Estrada, L., Bergman, Å., Athanasiadou, M., Herrera, C., Diás-Barriga, F., and Pérez-Maldonado, I.N., (2005), MeSO<sub>2</sub>-DDE Levels in Human Milk Samples Collected in a Malarious Area of México, *Organohalogen Compounds*, **67**, Toronto, Canada, 1132-1133
- Park, J.S., Linderholm, L., Charles, J., Athanasiadou, M., Bergman, Å., Petrik, J., Kocan, A., Trnovec, T., Zhao, G., and Hertz-Picciotto, I., (2005), Measurement of Hydroxylated PCB Metabolites for Slovakia Maternal Blood Serums, *Organohalogen Compounds*, **67**, Toronto, Canada, 865-867
- Peters, A.K., Nijmeijer, S., Zhao, B., Denison, M.S., Bergman, Å., Sanderson, T., and van den Berg, M., (2005), Polybrominated Diphenyl Ethers (PBDEs) antagonize or inhibit TCDD induced CYP1A1 activity in various in vitro systems, *Organohalogen Compounds*, **67**, Toronto, Canada, 2290-2293

- Strid, A., Pöpke, O., Jörundsdóttir, H., Svavarsson, J., and Bergman, Å., (2005), PCDDs, PCDFs and dioxin-like PCBs in Greenland Shark (*Somniosus microcephalus*), *Organohalogen Compounds*, **67**, Toronto, Canada, 933-935
- Ueno, D., Darling, C., Pacepavicius, G., Alaee, M., Campbell, L., Letcher, R.J., Bergman, Å., Marsh, G., Muir, D., and Brown, S., (2005), Detection of hydroxylated polybrominated diphenyl ethers (Oh-PBDEs) in abiotic samples from Southern Ontario, Canada, *Organohalogen Compounds*, **67**, Toronto, Canada, 851-853
- Ueno, D., Darling, C., Pacepavicius, G., Alaee, M., Campbell, L., Letcher, R.J., Bergman, Å., Marsh, G., Muir, D., and Brown, S., (2005), Detection of Hydroxylated Polybrominated Diphenyl Ethers (Oh-PBDEs) in Abiotic Samples from Southern Ontario, Canada, *Organohalogen Compounds*, **67**, Toronto, Canada, 851-853
- Bergman, Å., Malmberg, T., and Weiss, J., (2004), Chemical synthesis, characterisation, analytical method development and control to promote exposure assessments and toxicological testing - Highlights from COMPARE, *Organohalogen Compounds*, **66**, 9-6-2004, Berlin, Germany, 3513-3518
- Buitenhuis, C., Ceniin, P.C., Lilienthal, H., Malmberg, T., Bergman, Å., Gutleb, A.C., Legler, J., and Brouwer, A., (2004), Effects of prenatal exposure to hydroxylated PCB metabolites and some brominated flame retardants on the development of rats, *Organohalogen Compd.*, **66**, 9-6-2004, Berlin, Germany, 3586-3592
- Darnerud, P.O., Wong, J., Bergman, Å., and Ilbäck, N.-G., (2004), Common viral infection alters pentabromodiphenyl ether (BDE-99) distribution and plasma thyroxine levels in mice, *The Third International Workshop on Brominated Flame Retardants, BFR 2004*, Toronto, Canada, 451-454
- Fängström, B., Athanassiadis, I., Strid, A., Grandjean, P., Weihe, P., and Bergman, Å., (2004), A retrospective study of PBDE levels in human milk from the Faroe Islands., *The Third International Workshop on Brominated Flame Retardants, BFR 2004*, Toronto, Canada, 33-36
- Fängström, B., Strid, A., Athanassiadis, I., Grandjean, P., Weihe, P., and Bergman, Å., (2004), A retrospective time trend study of PBDEs and PCBs in human milk from the Faroe Islands, *Organohalogen Compounds*, **66**, Berlin, Germany, 2829-2833
- Hovander, L., Linderholm, L., Athanasiadou, M., Athanassiadis, I., Trnovec, T., Kocan, A., Petrik, J., and Bergman, Å., (2004), Analysis of PCB and PCB metabolites in humans from eastern Slovakia, *Organohalogen Compounds*, **66**, Berlin, Germany, 3525-3531
- Legler, J., Buitenhuis, C.J.K., Ceniin, P.H., Gutleb, A.C., Van Velzen, M., Malmberg, T., Bergman, Å., and Brouwer, A., (2004), Comparison of exposure-effect pathways to improve the assessment of human health risks of (hydroxylated) PCBs and brominated flame retardants, *The Third International Workshop on Brominated Flame Retardants, BFR 2004*, Toronto, Canada, 447-450
- Lopez, D., Athanasiadou, M., Athanassiadis, I., Estrade, L.Y., Diaz-Barriga, F., and Bergman, Å., (2004), A preliminary study on PBDEs and HBCDD in blood and milk from Mexican women., *The Third International Workshop on Brominated Flame Retardants, BFR 2004*, Toronto, Canada, 483-487
- Malmberg, T., Athanasiadou, M., Marsh, G., Brandt, I., and Bergman, Å., (2004), Hydroxylated PBDE metabolites in rat blood after exposure to a mixture of PBDE congeners, *Organohalogen Compounds*, **66**, Berlin, Germany, 3836-3841
- Marsh, G., Athanasiadou, M., Bergman, Å., Athanassiadis, I., Endo, T., and Haraguchi, K., (2004), Identification of a novel dimethoxylated polybrominated biphenyl bioaccumulating in marine mammals, *Organohalogen Compounds*, **66**, Berlin, Germany, 3823-3829

- Meijer, L., Weiss, J., Van Velzen, M., Brouwer, A., Bergman, Å., and Sauer, P., (2004), Flame retardants, polychlorinated biphenyls and insecticides in pregnant women in the northern part of The Netherlands, *Organohalogen Compounds*, **66**, Berlin, Germany, 3552-3556
- Peters, L., Sanderson, J.T., Bergman, Å., and van den Berg, M., (2004), Induction and inhibition of Cytochrome P450 1A1 and Ethoxyresorufin-O-deethylation activity by Polybrominated Diphenyl Ethers (PBDEs) in Cynomolgus monkey primary hepatocytes, *Organohalogen Compounds*, **66**, Berlin, Germany, 3923-3928
- Sundberg, A., Cantillana, T., Bergman, Å., Brunström, B., and Brandt, I., (2004), Transplacental transport and fetal localization of Bisphenol A, Tetrabromobisphenol A and 2,4,6-Tribromophenol in mice, *Organohalogen Compounds*, **66**, Berlin, Germany, 3557-3564
- Teclechiel, D., Christiansson, A., Eriksson, J., Bergman, Å., and Marsh, G., (2004), Synthesis of two nonabrominated diphenyl ethers (BDE-207 and BDE-208) via phenoxyanilines, *The Third International Workshop on Brominated Flame Retardants, BFR 2004*, Toronto, Canada, 363-366
- Thureson, K., Jakobsson, K., Rothenbacher, K., Herrmann, T., Sjölin, S., Hagmar, L., Päpke, O., and Bergman, Å., (2004), Polybrominated diphenyl ethers in blood from Swedish workers - a follow up study in an electronics recycling industry, *The Third International Workshop on Brominated Flame Retardants, BFR 2004*, Toronto, Canada, 45-48
- Trnovec, T., Bencko, V., Langer, P., van den Berg, M., Kocan, A., Bergman, Å., and Hustak, M., (2004), Study design, objectives, hypotheses, main findings, health consequences for the population exposed, rationale of future research, *Organohalogen Compounds*, **66**, Berlin, Germany, 3573-3579
- Tuan, H.P., Larsson, C., Hoffmann, F., Bergman, Å., Fröba, M., and Hühnerfuss, H., (2004), Enantioselective semi-preparative HPLC separation of PCB metabolites and their absolute structures determined by electronic and vibrational circular dichroism, *Organohalogen Compounds*, **66**, Berlin, Germany, 398-404
- van den Berg, M., Heneweer, M., de Geest, M., de Jong, P., Bergman, Å., and Sanderson, T., (2004), Inhibition of aromatase activity by methyl sulfonyl PCB metabolites in primary culture of human mammary fibroblasts, *Organohalogen Compounds*, **66**, 9-6-2004, Berlin, Germany, 3021-3029
- Weiss, J., Bignert, A., and Bergman, Å., (2004), An attempt to validate serum and plasma as sample matrices for analyses of polychlorobiphenyls, *Organohalogen Compounds*, **66**, 9-6-2004, Berlin, Germany, 3519-3524
- Weiss, J., Meijer, L., Sauer, P., Linderholm, L., Athanassiadis, I., and Bergman, Å., (2004), PBDE and HBCDD levels in blood from Dutch mothers and infants - Analysis project within the Dutch Groningen Infant Cohort, *The Third International Workshop on Brominated Flame Retardants, BFR 2004*, Toronto, Canada, 71-74
- Örn, U. and Bergman, Å., (2004), An attempt to assess the present commercial production of brominated flame retardants, *The Third International Workshop on Brominated Flame Retardants, BFR 2004*, Toronto, Canada, 467-472
- Athanasiadou, M., Marsh, G., Athanassiadis, I., Asplund, L., and Bergman, Å., (2003), Chromatographic and mass spectrometric characteristics of polybrominated diphenyl ethers (MeO-PBDEs), *Organohalogen compounds*, **61**, 25-28, Boston, MA, USA.
- Canton, R. F., Letcher, R., Bergman, Å., and van den Berg, M., (2003), Effects of polybrominated flame retardants on activity of the steroidogenic enzyme aromatase (CYP19) in H295R human adrenocortical carcinoma cells in culture, *Organohalogen compounds*, **61**, 104-107, Boston, MA, USA.

Eriksson, J., Eriksson, L., Marsh, G., and Bergman, Å., (2003), A one step synthesis of all nona-brominated diphenyl ethers, *Organohalogen compounds*, **61**, 191-194, Boston, MA, USA.

Green, N., Jakobsson, E., and Bergman, Å., (2003), Towards a descriptor of persistence based on the chemical reactivities and physicochemical properties of chemicals, *Organohalogen compounds*, **65**, 358-361, Boston, MA, USA.

Hühnerfuss, H., Bergman, Å., Larsson, C., Peters, N., and Westendorf, J., (2003), Enantioselective transformation of atropisomeric PCBs or of their methylsulfonyl metabolites by rat hepatocytes?, *Organohalogen compounds*, **62**, 265-268, Boston, MA, USA.

Jakobsson, K., Thuresson, K., Höglund, P., Sjödin, A., Hagmar, L., and Bergman, Å., (2003), A summary of exposure to polybrominated diphenyl ethers (PBDEs) in Swedish workers, and determination of half-lives of PBDEs, *Organohalogen compounds*, **61**, 17-21, Boston, MA, USA.

Meijer, L., Hafkamp, A. M., Bosman, W. E., Malmberg, T., Bergman, Å., Sauer, P. J. J., and Verkade, H. J., (2003), Non-absorbable fat increases the disposal of 2,2',4,4'-tetrabromodiphenyl (BDE-47) in rats through interruption of the enterohepatic circulation, *Organohalogen compounds*, **64**, 289-292, Boston, MA, USA.

Peters, A. K., Sanderson, J. T., Bergman, Å., and van den Berg, M., (2003), Induction and inhibition of Cytochrome P450 1A1, 1B1, and ethoxyresorufin-O-deethylation activity by polybrominated diphenyl ethers (PBDE) in MCF7 cells, *Organohalogen compounds*, **61**, 100-103, Boston, MA, USA.

Legler, J., Cenijn, P. H., Malmberg, T., Bergman, Å., and Brouwer, A., (2002), Determination of the endocrine disrupting potency of hydroxylated PCBs and flame retardants with in vitro bioassays, *Organohalogen Compounds*, **56**, 53-56, Barcelona, Spain.

Thuresson, K., Jakobsson, K., Hagmar, L., Sjödin, A., and Bergman, Å., (2002), Decabromodiphenyl ether exposure to workers manufacturing rubber and in an industrial setting producing rubber coated electric wires, *Organohalogen Compounds*, **58**, 165-168, Barcelona, Spain.

Asplund, L., Malmvärn, A., Marsh, G., Athanasiadou, M., Bergman, Å., and Kautsky, L., (2001), Hydroxylated brominated diphenyl ethers in salmon (*Salmo salar*), mussels (*Mytilus edulis*) and the red alga (*Ceramium tenuicorne*) from the Baltic Sea - Natural product in Baltic Sea biota, *Organohalogen Compounds*, **52**, 67-71, Gyeongju, Korea.

Bergman, Å. and Örn, U., (2001), Polybrominated flameretardents - A threat?, *Organohalogen Compounds*, **50**, 13-20, Gyeongju, Korea.

Bergman, Å., (2001), Phenolic organohalogen contaminants in biota - a new era in environmental research, *Organohalogen Compounds*, **52**, 389-393, Gyeongju, Korea.

Eriksson, J., Marsh, G., and Bergman, Å., (2001), Photo decomposition of brominated diphenyl ethers in methanol/water, *The Second International Workshop on Brominated Flame Retardants, BFR 2001*, 203-206, Stockholm, Sweden.

Fängström, B., Athanassiadis, I., Athanasiadou, M., Grandjean, P., Weihe, P., and Bergman, Å., (2001), Hydroxylated PCB metaolites in non-hatched Faroe Islands fulmar eggs, *Organohalogen Compounds*, **52**, 112-115, Gyeongju, Korea.

Hovander, L., Bergman, Å., and Jakobsson, K., (2001), PBDE levels among personnel employed at a electronics dismantling plant in the Stockholm area, *The Second International Workshop on Brominated Flame Retardants, BFR 2001*, 295-298, 5-14-0010, Stockholm, Sweden.

- Marsh, G., Athanasiadou, M., Bergman, Å., Jakobsson, E., and Asplund, L., (2001), Hydroxylated and methoxylated polybrominated diphenyl ethers in salmon plasma: synthesis and identification, *Organohalogen Compounds*, **52**, 62-66, Gyeongju, Korea.
- Päpke, O., Bathe, L., Bergman, Å., Fürst, P., Meironyté Guvenius, D., Herrmann, T., and Norén, K., (2001), Determination of PBDEs in human milk from the United States - comparison of results from three laboratories, *Organohalogen Compounds*, **52**, 197-200, Gyeongju, Korea.
- van der Plas, S. A., Jensen, S., Bergman, Å., de Boer, J., and Brouwer, A., (2001), Tumour promotion by complex mixtures of dioxin and non-dioxin like polyhalogenated aromatic hydrocarbons, *Organohalogen Compounds*, **53**, 241-243, Gyeongju, Korea.
- Weiss, J., Päpke, O., and Bergman, Å., (2001), PCDDs/PCDFs and related contaminants in butter originating from 39 countries world wide, *Organohalogen Compounds*, **51**, 271-274, Gyeongju, Korea.
- Asplund, L., Hornung, M., Peterson, R. E., Thuresson, K., and Bergman, Å., (1999), Levels of polybrominated diphenyl ethers (PBDEs) in fish from the Great lakes and the Baltic sea, *Organohalogen Compounds*, **40**, 351-354, Venice, Italy.
- Bergman, Å., Athanasiadou, M., Klasson Wehler, E., and Sjödin, A., (1999), Polybrominated environmental pollutants: Human and wildlife exposures, *Organohalogen Compounds*, **43**, 89-92, Venice, Italy.
- Bergman, Å., Asplund, L., Athanasiadou, M., and Jakobsson, E., (1999), A strategy for chemical analysis of halogenated environmental pollutants, *Organohalogen Compounds*, **40**, 1-4, Venice, Italy.
- Larsen, G., Hakk, H., Klasson Wehler, E., Örn, U., and Bergman, Å., (1999), Binding of 2,2',4,4',5-pentabromodiphenyl ether (BDE-99) and/or its metabolites to mammalian urinary and biliary carrier proteins, *Organohalogen Compounds*, **40**, 371-374, Venice, Italy.
- Larsson, C., Ellerichmann, T., Franke, S., Athanasiadou, M., Hühnerfuss, H., and Bergman, Å., (1999), Enantiomeric separation of chiral methylsulphonyl PCB congeners in liver and adipose tissue from rats dosed with A50, *Organohalogen Compounds*, **40**, 427-430, Venice, Italy.
- Ludewig, G., Lehmler, H.-J., Bergman, Å., and Robertsson, L. W., (1999), Metabolites of biphenyls and halogenated biphenyls: reactivity of dihydroxylated biphenyls *in vitro* and *in vivo*, *Organohalogen Compounds*, **42**, 455-458, Venice, Italy.
- Meerts, I. A. T. M., Assink, Y., Cenijn, P. H., Weijers, B. M., van den Berg, H. H. J., Bergman, Å., Koeman, J. H., and Brouwer, A., (1999), Distribution of the flame retardant tetrabromobisphenol A in pregnant and fetal rats and effect on thyroid hormone homeostasis, *Organohalogen Compounds*, **40**, 375-378, Venice, Italy.
- Sjödin, A., Thuresson, K., Hagmar, L., Klasson Wehler, E., and Bergman, Å., (1999), Occupational exposure to polybrominated diphenyl ethers at dismanling of electronics - Ambient air and human serum analysis, *Organohalogen Compounds*, **43**, 447-451, Venice, Italy.
- Bergman, Å., Ellerichmann, T., Franke, S., Hühnerfuss, H., Jakobsson, E., Köning, W. A., and Larsson, C., (1998), Gas chromatographic enantiomer separations of chiral PCB methyl sulfons and identification of selectively retained enantiomers in human liver, *Organohalogen Compounds*, **35**, 339-342, Stockholm, Sweden.
- Hagmar, L., Sjödin, A., Erfurth, E. M., Axmon, A., and Bergman, Å., (1998), Dietary exposure to persistent organochlorines and pituitary, thyroid and testosterone hormone levels in male adults, *Organohalogen Compounds*, **37**, 229-232, Stockholm, Sweden.

- Helander, B., Olsson, A., Bignert, A., Litzén, K., Asplund, L., and Bergman, Å., (1998), Abnormal dehydration in eggs of the white-tailed sea eagle (*Haliaeetus albicilla*) in Sweden - a persisting effect from high exposure to organochlorines?, *Organohalogen Compounds*, **39**, 423-426, Stockholm, Sweden.
- Larsen, G. L., Hakk, H., Larsson, C., and Bergman, Å., (1998), Interaction of 3-methylsulfonyl-2,2',4',5,5',6-hexachlorobiphenyl with mammalian carrier proteins, *Organohalogen Compounds*, **37**, 345-349, Stockholm, Sweden.
- Larsen, G. L., Hakk, H., Klasson Wehler, E., Örn, U., and Bergman, Å., (1998), Metabolism and disposition of the flame retardant tetrabromobisphenol A in conventional rats and rats with cannulated bile ducts, *Organohalogen Compounds*, **37**, 413-416, Stockholm, Sweden.
- Larsson, C. and Bergman, Å., (1998), Synthesis of radiolabelled methylsulphonyl CBs with specific retention in the rat liver, *Organohalogen Compounds*, **35**, 127-130, Stockholm, Sweden.
- Marsh, G., Bergman, Å., Bladh, L.-G., Gillner, M., and Jakobsson, E., (1998), Synthesis of *p*-hydroxybromodiphenyl ethers and binding to the thyroid receptor, *Organohalogen Compounds*, **37**, 305-308, Stockholm, Sweden.
- Meerts, I. A. T. M., Marsh, G., van Leeuwen-Bol, I., Luijks, E. A. C., Jakobsson, E., Bergman, Å., and Brouwer, A., (1998), Interaction of polybrominated diphenyl ether metabolites (PBDE-OH) with human transthyretin *in vitro*, *Organohalogen Compounds*, **37**, 309-312, Stockholm, Sweden.
- Meerts, I. A. T. M., Luijks, E. A. C., Marsh, G., Jakobsson, E., Bergman, Å., and Brouwer, A., (1998), Polybrominated diphenyl ethers (PBDEs) as Ah-receptor agonists and antagonists, *Organohalogen Compounds*, **37**, 147-150, Stockholm, Sweden.
- Meironyté, D., Bergman, Å., and Norén, K., (1998), Analysis of polybrominated diphenyl ethers in human milk, *Organohalogen Compounds*, **35**, 387-390, Stockholm, Sweden.
- Olsson, A., Helander, B., Bignert, A., Litzén, K., Asplund, L., and Bergman, Å., (1998), Is PCB responsible for embryo toxicity in white-tailed sea eagle (*Haliaeetus albicilla*) from the Swedish Baltic coast?, *Organohalogen Compounds*, **39**, 17-20, Stockholm, Sweden.
- Valters, K., Olsson, A., and Bergman, Å., (1998), Polychlorinated biphenyls and other organochlorine pollutants in perch (*Perca fluviatilis*) from the Latvian environment, *Organohalogen Compounds*, **39**, 377-380, Stockholm, Sweden.
- Örn, U., Jakobsson, E., and Bergman, Å., (1998), Synthesis of some <sup>14</sup>C-labelled brominated flame retardants, *Organohalogen Compounds*, **35**, 451-454, Stockholm, Sweden.
- Asplund, L., Athanasiadou, M., Eriksson, U., Sjödin, A., Börjeson, H., and Bergman, Å., (1997), Mass spectrometric screening for organohalogen substances (OHS) in blood plasma from baltic salmon (*Salmo salar*), *Organohalogen Compounds*, **33**, 355-359, Indianapolis, USA.
- Bergman, Å., Brouwer, A., Ghosh, M., Hagmar, L., Jakobsson, E., Johnson, L., Klasson Wehler, E., Meerts, I., Sauer, P., and Weisglas-Kuperus, N., (1997), Risk of endocrine contaminants (RENCO) - Aims and a summary of initial results, *Organohalogen Compounds*, **34**, 396-401, Indianapolis, USA.
- Bergman, Å., Östman, C., Nybom, R., Sjödin, A., Carlsson, H., Nilsson, U., and Wachtmeister, C. A., (1997), Flame Retardants and Plasticisers on Particulate - in the Modern Computerized Indoor Environment, *Organohalogen Compounds*, **33**, 414-419, Indianapolis, USA.
- Klasson Wehler, E., Hovander, L., and Bergman, Å., (1997), New organohalogens in human plasma - Identification and quantification, *Organohalogen Compounds*, **33**, 420-425, Indianapolis, USA.



Lund, B.-O., Bergman, Å., Brunström, B., and Örberg, J., (1997), Accumulation and long term effects of a PCB and DDE methyl sulfone mixture in the mink (*Mustela vison*), *Organohalogen Compounds*, **33**, 360-365, Indianapolis, USA.

Sjödin, A., Bergman, Å., Jakobsson, E., Kierkegaard, A., Marsh, G., and Sellström, U., (1997), Identification and quantification of polybrominated diphenyl ethers (PBDEs) in the commercial product Bromkal 70-5 DE, *Organohalogen Compounds*, **32**, 388-393, Indianapolis, USA.

Bakke, J., Bergman, Å., and Larsen, G., (1995), Methylsulfone formation and PCB metabolism, *Organohalogen Compounds*, **25**, 413-417, Edmonton, Canada.

Friesen, K. J., Hiebert, T., Drouillard, K., Fisk, A. T., Bergman, Å., Tomy, G. T., Tittlemier, S. A., Westmore, J. B., and Muir, D. C. G., (1995), Synthesis, properties, and bioaccumulation of chlorinated paraffins, *Organohalogen Compounds*, **24**, 409-413, Edmonton, Canada.

Bergman, Å., Brandt, I., Haraguchi, K., Larsen, G., and Örn, U., (1990), Radiolabelled PCBs and PCB methyl sulphones - improved methods for synthesis and tissue localization, *Organohalogen Compounds*, **1**, 23-26, Bayreuth, Germany.

Brandt, I., Jönsson, C. J., Lund, B.-O., and Bergman, Å., (1990), 3-Methylsulphonyl-DDE: A potent toxicant following metabolic activation in the adrenal *Zona fasciculata* in mice, *Organohalogen compounds*, **1**, 63-66, Bayreuth, Germany.

Haraguchi, K., Bergman, Å., Athanasiadou, M., Jakobsson, E., Olsson, M., and Masuda, Y., (1990), PCB methyl sulphones in grey seal and otter from Swedish environment, *Organohalogen Compounds*, **1**, 415-418, Bayreuth, Germany.

Jakobsson, E., Asplund, L., Haglund, P., and Bergman, Å., (1990), Hexachloronapthalenes in Halowax 1014 and in biological samples, *Organohalogen Compounds*, **4**, 187-190, Bayreuth, Germany.

Klasson Wehler, E., Brandt, I., Jönsson, C. J., Darnerud, P. O., Lindberg, C., and Bergman, Å., (1990), 2,3,3',4,4'-Pentachlorobiphenyl and 3,3',4,4'-tetrachlorobiphenyl in mice: A comparison of metabolism, *Organohalogen Compounds*, **1**, 31-34, Bayreuth, Germany.

Olsson, M., Bergman, Å., Jensen, S., and Kihlström, J. E., (1990), Effects of various fractions of PCB on mink reproduction. Preliminary results from experimental studies within the Swedish seal project, *Organohalogen Compounds*, **1**, 393-396, Bayreuth, Germany.

## **Review articles, book chapters, books (11)**

Åke Bergman, Anders Bignert, Yanling Qiu, Ge Yin (Editors/Authors) (2017), Chemical Pollution Challenges in the Yangtze River Delta, China; A 2017 Sino-Swedish Research Report, 116 pages ISBN printed: 978-91-87355-31-8; ISBN PDF: 978-91-87355-32-5; ISBN E-pub: 978-91-87355-33-2

Åke Bergman, Jerrold J. Heindel, Tim Kasten, Karen A. Kidd, Susan Jobling, Maria Neira, R. Thomas Zoeller, Georg Becher, Poul Bjerregaard, Riana Bornman, Ingvar Brandt, Andreas Kortenkamp, Derek Muir, Marie-Noël Brune Drisse, Roseline Ochieng, Niels E. Skakkebaek, Agneta Sundén Byléhn, Taisen Iguchi, Jorma Toppari, Tracey J. Woodruff (2013). The Impact of Endocrine Disruption: A Consensus

Statement on the State of the Science. *Environmental Health Perspectives*, 121:a104-a106 (2013). <http://dx.doi.org/10.1289/ehp.1205448> [online 01 April 2013].

UNEP/WHO (2013), State of the science of endocrine disrupting chemicals – 2012, Eds. Å. Bergman, J.J. Heindel, S., Jobling, K.A. Kidd and R.T. Zoeller. [www.who.int/phe/en/](http://www.who.int/phe/en/) and [www.unep.org/hazardous](http://www.unep.org/hazardous) substances. Hard copies available from UNEP. pp i-xxv, 1-260.

UNEP/WHO (2013), State of the science of endocrine disrupting chemicals – 2012. Summary for decision-makers. Eds. Å. Bergman, J.J. Heindel, S., Jobling, K.A. Kidd and R.T. Zoeller. [www.who.int/phe/en/](http://www.who.int/phe/en/) and [www.unep.org/hazardous](http://www.unep.org/hazardous) substances. Hard copies available from UNEP. pp 1-29.

EFSA Panel on Contaminants in the Food Chain (CONTAM), co-authored by Åke Bergman, (2012); Scientific Opinion on Emerging and Novel Brominated Flame Retardants (BFRs) in Food. *EFSA Journal* **10**(10):2908. [125 pp.] doi:10.2903/j.efsa.2012.2908.

EFSA Panel on Contaminants in the Food Chain (CONTAM), co-authored by Åke Bergman, (2012); Scientific Opinion on Brominated Flame Retardants (BFRs) in Food: Brominated Phenols and their Derivatives. *EFSA Journal* **10**(4):2634. [42 pp.] doi:10.2903/j.efsa.2012.2634.

Bergman Å (2012). Foreword. *Hormone-Disruptive Chemical Contaminants in Food*. London, Royal Society of Chemistry.

EFSA Panel on Contaminants in the Food Chain (CONTAM), co-authored by Åke Bergman, (2011); Scientific Opinion on Tetrabromobisphenol A (TBBPA) and its derivatives in food. *EFSA Journal* **9**(12):2477. 61 pp. doi:10.2903/j.efsa.2011.2477.

EFSA Panel on Contaminants in the Food Chain (CONTAM), co-authored by Åke Bergman, (2011), Scientific Opinion on Hexabromocyclododecanes (HBCDDs) in Food. *EFSA Journal*; **9**(7):2296. 118 pp. doi:10.2903/j.efsa.2011.2296.

EFSA Panel on Contaminants in the Food Chain (CONTAM), co-authored by Åke Bergman, Scientific Opinion on Polybrominated Diphenyl Ethers (PBDEs) in Food., (2011), *EFSA Journal*, **9**(5):2156, 274 pp, doi:10.2903/j.efsa.2011.2156.

EFSA Panel on Contaminants in the Food Chain (CONTAM) (Åke Bergman co-author) (2010), Scientific Opinion on Polybrominated Biphenyls (PBBs) in Food. *EFSA Journal* **8**(10):1789, 151 pp., doi:10.2903/j.efsa.2010.1789.

### **Popular science articles/presentations**

Scientific advisor for the documentary film “Submission” by Stefan Jarl, 89 min long, 2010, Folkets Bio.

Formas bok “Giftfri miljö – utopi eller verklig chans” Eds./förf. Åke Bergman. Formas, 2006, 318 pages.

Popular science oral presentations; 5-20/year; different fora in Sweden and internationally.

Large number of media (TV, radio, newspaper and magazine) interviews each year, nowadays.