

Georg Becher

List of Publications by Year in descending order

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75
papers

6,564
citations

44069

48
h-index

79698

73
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75
all docs

75
docs citations

75
times ranked

5371
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of human exposure pathways to perfluorinated compounds – Comparing exposure estimates with biomarkers of exposure. <i>Environment International</i> , 2011, 37, 687-693.	10.0	310
2	Occurrence of a Broad Range of Legacy and Emerging Flame Retardants in Indoor Environments in Norway. <i>Environmental Science & Technology</i> , 2014, 48, 6827-6835.	10.0	309
3	Prenatal Exposure to Perfluorooctanoate and Risk of Overweight at 20 Years of Age: A Prospective Cohort Study. <i>Environmental Health Perspectives</i> , 2012, 120, 668-673.	6.0	294
4	Brominated Flame Retardants in Archived Serum Samples from Norway: A Study on Temporal Trends and the Role of Age. <i>Environmental Science & Technology</i> , 2002, 36, 1414-1418.	10.0	286
5	Hexabromocyclododecane in Marine Species from the Western Scheldt Estuary: Diastereoisomer- and Enantiomer-Specific Accumulation. <i>Environmental Science & Technology</i> , 2005, 39, 1987-1994.	10.0	283
6	Diet and particularly seafood are major sources of perfluorinated compounds in humans. <i>Environment International</i> , 2010, 36, 772-778.	10.0	274
7	Time Trends and the Influence of Age and Gender on Serum Concentrations of Perfluorinated Compounds in Archived Human Samples. <i>Environmental Science & Technology</i> , 2009, 43, 2131-2136.	10.0	270
8	Human exposure pathways to organophosphate triesters – A biomonitoring study of mother-child pairs. <i>Environment International</i> , 2015, 75, 159-165.	10.0	185
9	Associations of <i>in Utero</i> Exposure to Perfluorinated Alkyl Acids with Human Semen Quality and Reproductive Hormones in Adult Men. <i>Environmental Health Perspectives</i> , 2013, 121, 453-458.	6.0	172
10	Brominated flame retardants in plasma samples from three different occupational groups in Norway. <i>Journal of Environmental Monitoring</i> , 2001, 3, 366-370.	2.1	163
11	Placental transfer of perfluorinated compounds is selective – A Norwegian Mother and Child sub-cohort study. <i>International Journal of Hygiene and Environmental Health</i> , 2012, 215, 216-219.	4.3	159
12	Hexabromocyclododecane Challenges Scientists and Regulators. <i>Environmental Science & Technology</i> , 2005, 39, 281A-287A.	10.0	155
13	A sensitive method for determination of a broad range of perfluorinated compounds in serum suitable for large-scale human biomonitoring. <i>Journal of Chromatography A</i> , 2009, 1216, 385-393.	3.7	151
14	Polybrominated diphenyl ethers in paired samples of maternal and umbilical cord blood plasma and associations with house dust in a Danish cohort. <i>International Journal of Hygiene and Environmental Health</i> , 2010, 213, 233-242.	4.3	148
15	Nitrated polycyclic aromatic hydrocarbons in urban air particles. <i>Environmental Science & Technology</i> , 1982, 16, 861-865.	10.0	136
16	Determinants of brominated flame retardants in breast milk from a large scale Norwegian study. <i>Environment International</i> , 2010, 36, 68-74.	10.0	133
17	Changes in Concentrations of Perfluorinated Compounds, Polybrominated Diphenyl Ethers, and Polychlorinated Biphenyls in Norwegian Breast-Milk during Twelve Months of Lactation. <i>Environmental Science & Technology</i> , 2010, 44, 9550-9556.	10.0	128
18	Perfluoroalkyl substances and lipid concentrations in plasma during pregnancy among women in the Norwegian Mother and Child Cohort Study. <i>Environment International</i> , 2014, 62, 104-112.	10.0	122

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19	Dietary exposure to brominated flame retardants correlates with male blood levels in a selected group of Norwegians with a wide range of seafood consumption. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 217-227.	3.3	120
20	Perfluorinated Compounds and Subfecundity in Pregnant Women. <i>Epidemiology</i> , 2012, 23, 257-263.	2.7	116
21	Automated solid-phase extraction for the determination of polybrominated diphenyl ethers and polychlorinated biphenyls in serum—application on archived Norwegian samples from 1977 to 2003. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 846, 252-263.	2.3	114
22	A path forward in the debate over health impacts of endocrine disrupting chemicals. <i>Environmental Health</i> , 2014, 13, 118.	4.0	107
23	Perfluorinated Compounds in Relation to Birth Weight in the Norwegian Mother and Child Cohort Study. <i>American Journal of Epidemiology</i> , 2012, 175, 1209-1216.	3.4	100
24	Formation of a glutathione conjugate and a semistable transportable glucuronide conjugate of N2-oxidized species of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PHIP) in rat liver. <i>Carcinogenesis</i> , 1991, 12, 2239-2245.	2.8	91
25	Occupational Exposure to Hexabromocyclododecane at an Industrial Plant. <i>Environmental Science & Technology</i> , 2007, 41, 5210-5216.	10.0	85
26	Occupational Exposure to Airborne Perfluorinated Compounds during Professional Ski Waxing. <i>Environmental Science & Technology</i> , 2010, 44, 7723-7728.	10.0	83
27	Comparison of Estimated Dietary Intake of Acrylamide with Hemoglobin Adducts of Acrylamide and Glycidamide. <i>Toxicological Sciences</i> , 2007, 98, 110-117.	3.1	80
28	Consumption of fish from a contaminated lake strongly affects the concentrations of polybrominated diphenyl ethers and hexabromocyclododecane in serum. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 228-237.	3.3	79
29	Role of dietary patterns for dioxin and PCB exposure. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 1438-1451.	3.3	75
30	Determination of exposure to polycyclic aromatic hydrocarbons by analysis of human urine. <i>Cancer Letters</i> , 1983, 17, 301-311.	7.2	73
31	Brominated flame retardants and endocrine disruption. <i>Pure and Applied Chemistry</i> , 2003, 75, 2039-2046.	1.9	73
32	Genotoxic effects of the drinking water mutagen 3-chloro-4-(dichloromethyl)-5-hydroxy-2[5H]-furanone (MX) in mammalian cells in vitro and in rats in vivo. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1991, 260, 55-64.	1.2	72
33	Levels of hexachlorobenzene (HCB) in breast milk in relation to birth weight in a Norwegian cohort. <i>Environmental Research</i> , 2009, 109, 559-566.	7.5	72
34	Assessment of human hair as an indicator of exposure to organophosphate flame retardants. Case study on a Norwegian mother-child cohort. <i>Environment International</i> , 2015, 83, 50-57.	10.0	72
35	Associations between brominated flame retardants in human milk and thyroid-stimulating hormone (TSH) in neonates. <i>Environmental Research</i> , 2011, 111, 737-743.	7.5	69
36	Comparing human exposure to emerging and legacy flame retardants from the indoor environment and diet with concentrations measured in serum. <i>Environment International</i> , 2015, 74, 54-59.	10.0	69

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37	High-performance size exclusion chromatography of chlorinated natural humic water and mutagenicity studies using the microscale fluctuation assay. <i>Environmental Science & Technology</i> , 1985, 19, 422-426.	10.0	68
38	Characterization of polynuclear aromatic hydrocarbon derivatives in emissions from wood and cereal straw combustion. <i>Analytica Chimica Acta</i> , 1982, 144, 83-91.	5.4	63
39	Perfluoroalkyl Substances During Pregnancy and Validated Preeclampsia Among Nulliparous Women in the Norwegian Mother and Child Cohort Study. <i>American Journal of Epidemiology</i> , 2014, 179, 824-833.	3.4	60
40	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”–. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 1007-1017.	2.7	57
41	A New Method for Determination of Halogenated Flame Retardants in Human Milk Using Solid-Phase Extraction. <i>Journal of Analytical Toxicology</i> , 2002, 26, 129-137.	2.8	56
42	A high-throughput method for determination of metabolites of organophosphate flame retardants in urine by ultra performance liquid chromatography–high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 845, 98-104.	5.4	55
43	Biomarkers of Human Exposure to Acrylamide and Relation to Polymorphisms in Metabolizing Genes. <i>Toxicological Sciences</i> , 2009, 108, 90-99.	3.1	54
44	A simplified method for determination of tetrabromobisphenol A and polybrominated diphenyl ethers in human plasma and serum. <i>Journal of Separation Science</i> , 2001, 24, 282-290.	2.5	50
45	The stereochemistry of 1,2,5,6,9,10-hexabromocyclododecane and its graphic representation. <i>Chemosphere</i> , 2005, 58, 989-991.	8.2	50
46	Urinary acrylamide metabolites as biomarkers for short-term dietary exposure to acrylamide. <i>Food and Chemical Toxicology</i> , 2007, 45, 1020-1026.	3.6	50
47	Association between Perfluoroalkyl substances and thyroid stimulating hormone among pregnant women: a cross-sectional study. <i>Environmental Health</i> , 2013, 12, 76.	4.0	50
48	4-(2-amino-1-methylimidazo pyrid-6-yl)[4,5-b]phenyl sulfate–a major metabolite of the food mutagen 2-amino-1-methyl-6-phenylimidazo[4,5-b] (PhIP) in the rat. <i>Carcinogenesis</i> , 1989, 10, 1543-1547.	2.8	49
49	Comparing electron ionization high-resolution and electron capture low-resolution mass spectrometric determination of polybrominated diphenyl ethers in plasma, serum and milk. <i>Chemosphere</i> , 2002, 46, 641-648.	8.2	49
50	Identification of Halogenated Compounds in Chlorinated Seawater and Drinking Water Produced Offshore Using n-Pentane Extraction and Open-Loop Stripping Technique. <i>Environmental Science & Technology</i> , 1994, 28, 1669-1673.	10.0	47
51	Mutagenicity testing of high performance liquid chromatography fractions from wood stove emission samples using a modified <i>Salmonella</i> assay requiring smaller sample volumes. <i>Environmental Mutagenesis</i> , 1984, 6, 91-102.	1.4	46
52	Characterization of humic substances by means of high-performance size exclusion chromatography. <i>Environment International</i> , 1996, 22, 489-494.	10.0	45
53	Determination of emerging halogenated flame retardants and polybrominated diphenyl ethers in serum by gas chromatography mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1310, 126-132.	3.7	43
54	Exploration of different methods to assess dietary acrylamide exposure in pregnant women participating in the Norwegian Mother and Child Cohort Study (MoBa). <i>Food and Chemical Toxicology</i> , 2008, 46, 2808-2814.	3.6	41

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55	Concentrations of selected chemicals in indoor air from Norwegian homes and schools. <i>Science of the Total Environment</i> , 2019, 674, 1-8.	8.0	39
56	Determination of PCBs in biological samples using on-line SFE-GC. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 344, 486-491.	1.5	38
57	Determination of halogenated acetic acids in chlorinated sea water and drinking water produced offshore. <i>Water Research</i> , 1996, 30, 2155-2159.	11.3	35
58	Multimethod determination of occupational exposure to polycyclic aromatic hydrocarbons in an aluminum plant. <i>Carcinogenesis</i> , 1984, 5, 647-651.	2.8	34
59	Serum concentrations of polybrominated diphenyl ethers (PBDEs) and a polybrominated biphenyl (PBB) in men from Greenland, Poland and Ukraine. <i>Environment International</i> , 2013, 61, 8-16.	10.0	34
60	Sex, BMI and age in addition to dietary intakes influence blood concentrations and congener profiles of dioxins and PCBs. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 772-782.	3.3	29
61	Metabolism of the food carcinogen 2-amino-3, 8-dimethylimidazo[4, 5-f]quinoxaline in isolated rat liver cells. <i>Carcinogenesis</i> , 1989, 10, 1277-1283.	2.8	24
62	Determination of polychlorinated biphenyls in human blood by solid-phase extraction including on-column lipid decomposition. <i>Biomedical Applications</i> , 1999, 734, 219-227.	1.7	23
63	World-wide comparison on the quality of analytical determinations of PCDDs/PCDFs and dioxin-like PCBs in food. <i>Talanta</i> , 2004, 63, 1115-1122.	5.5	23
64	Exposure to polybrominated diphenyl ethers and male reproductive function in Greenland, Poland and Ukraine. <i>Reproductive Toxicology</i> , 2014, 43, 1-7.	2.9	21
65	Comparison of GC and LC determinations of hexabromocyclododecane in biological samples – Results from two interlaboratory comparison studies. <i>Chemosphere</i> , 2008, 71, 1087-1092.	8.2	16
66	Fluorometric detection of 2-amino-3-methylimidazo[4,5-f]quinoline, 2-amino-3,4-dimethylimidazo[4,5-f]quinoline and their N-acetylated metabolites excreted by the rat. <i>Carcinogenesis</i> , 1987, 8, 1277-1280.	2.8	14
67	Urinary Metabolites as Biomarkers of Acrylamide Exposure in Mice Following Dietary Crisp Bread Administration or Subcutaneous Injection. <i>Toxicological Sciences</i> , 2007, 100, 374-380.	3.1	14
68	Policy recommendations and cost implications for a more sustainable framework for European human biomonitoring surveys. <i>Environmental Research</i> , 2015, 141, 42-57.	7.5	14
69	Serum levels of decabromodiphenyl ether (BDE-209) in women from different European countries and possible relationships with lifestyle and diet. <i>Environment International</i> , 2017, 107, 16-24.	10.0	13
70	On-line SFE-GC for determination of PCBs in human milk and blood serum. <i>Journal of High Resolution Chromatography</i> , 1993, 16, 148-152.	1.4	11
71	Genotoxic activity of the N-acetylated metabolites of the food mutagens 2-amino-3-methylimidazo[4,5-f]quinoline (IQ) and 2-amino-3, 4-dimethylimidazo[4,5-f]quinoline (MeIQ). <i>Mutagenesis</i> , 1988, 3, 303-309.	2.6	10
72	Empirical relationship between precision and ultra-trace concentrations of PCDD/Fs and dioxin-like PCBs in biological matrices. <i>Chemosphere</i> , 2008, 71, 379-387.	8.2	5

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73	The Lipid Content of Serum Affects the Extraction Efficiencies of Highly Lipophilic Flame Retardants. Environmental Science and Technology Letters, 2014, 1, 82-86.	8.7	5
74	Some effects of ozonation of humic substances in drinking water. , 1991, , 217-223.		1
75	P61â€™Exposure of Norwegian infants to perfluorinated compounds. Reproductive Toxicology, 2012, 33, 621.	2.9	0