

# Ingvar Brandt

## List of Publications by Citations

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90  
papers

2,838  
citations

29  
h-index

51  
g-index

92  
ext. papers

3,038  
ext. citations

5.1  
avg. IF

4.57  
L-index

#	Paper	IF	Citations
90	Health effects of endocrine-disrupting chemicals on wildlife, with special reference to the European situation. <i>Critical Reviews in Toxicology</i> , <b>2000</b> , 30, 71-133	5.7	576
89	Controlling persistent organic pollutants-what next?. <i>Environmental Toxicology and Pharmacology</i> , <b>1998</b> , 6, 143-75	5.8	188
88	The avian egg as a test system for endocrine disrupters: effects of diethylstilbestrol and ethynylestradiol on sex organ development. <i>Science of the Total Environment</i> , <b>1999</b> , 233, 57-66	10.2	99
87	A path forward in the debate over health impacts of endocrine disrupting chemicals. <i>Environmental Health</i> , <b>2014</b> , 13, 118	6	87
86	Cytochrome P4501A induction in rainbow trout gills and liver following exposure to waterborne indigo, benzo[a]pyrene and 3,3',4,4',5-pentachlorobiphenyl. <i>Aquatic Toxicology</i> , <b>2006</b> , 79, 226-32	5.1	69
85	Metabolic activation and toxicity of a DDT-metabolite, 3-methylsulphonyl-DDE, in the adrenal zona fasciculata in mice. <i>Chemico-Biological Interactions</i> , <b>1988</b> , 65, 25-40	5	69
84	Early life progesterin exposure causes arrested oocyte development, oviductal agenesis and sterility in adult <i>Xenopus tropicalis</i> frogs. <i>Aquatic Toxicology</i> , <b>2011</b> , 103, 18-24	5.1	67
83	The distribution of 2,2',3,4,4',6,1, and 2,3',4,4',5,1,6- hexachlorobiphenyl in mice studied by whole-body autoradiography. <i>Toxicology</i> , <b>1975</b> , 4, 275-87	4.4	67
82	Embryonic exposure to o,p-DDT causes eggshell thinning and altered shell gland carbonic anhydrase expression in the domestic hen. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 2787-93	3.8	61
81	The synthetic progesterin levonorgestrel is a potent androgen in the three-spined stickleback ( <i>Gasterosteus aculeatus</i> ). <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 2043-51	10.3	59
80	The zebrafish gill model: induction of CYP1A, EROD and PAH adduct formation. <i>Aquatic Toxicology</i> , <b>2009</b> , 91, 62-70	5.1	54
79	Gill filament-based EROD assay for monitoring waterborne dioxin-like pollutants in fish. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 3340-4	10.3	53
78	PCB methyl sulphones and related compounds: identification of target cells and tissues in different species. <i>Chemosphere</i> , <b>1987</b> , 16, 1671-1676	8.4	53
77	CYP1A1 and CYP1B1 in blood-brain interfaces: CYP1A1-dependent bioactivation of 7,12-dimethylbenz(a)anthracene in endothelial cells. <i>Drug Metabolism and Disposition</i> , <b>2003</b> , 31, 259-65	4	49
76	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> , <b>2015</b> , 73, 1007-17	3.4	46
75	Cytochrome P450-catalyzed binding of 3-methylsulfonyl-DDE and o,p-DDD in human adrenal zona fasciculata/reticularis. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2002</b> , 87, 1319-26	5.6	42
74	Environmental concentrations of an androgenic progesterin disrupts the seasonal breeding cycle in male three-spined stickleback ( <i>Gasterosteus aculeatus</i> ). <i>Aquatic Toxicology</i> , <b>2014</b> , 147, 84-91	5.1	40

73	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. <i>Archives of Toxicology</i> , <b>2001</b> , 75, 597-603	5.8	39
72	Monitoring contaminants from oil production at sea by measuring gill EROD activity in Atlantic cod ( <i>Gadus morhua</i> ). <i>Environmental Pollution</i> , <b>2008</b> , 153, 169-75	9.3	38
71	Distribution of the carcinogenic tryptophan pyrolysis product Trp-P-1 in control, 9-hydroxyellipticine and beta-naphthoflavone pretreated mice. <i>Carcinogenesis</i> , <b>1983</b> , 4, 1291-6	4.6	38
70	Induction patterns of new CYP1 genes in environmentally exposed rainbow trout. <i>Aquatic Toxicology</i> , <b>2010</b> , 98, 311-21	5.1	37
69	Activation and toxicity of bromobenzene in nasal tissue in mice. <i>Archives of Toxicology</i> , <b>1990</b> , 64, 54-60	5.8	36
68	S-(1,2-dichloro-[14C]vinyl)-L-cysteine (DCVC) in the mouse kidney: correlation between tissue-binding and toxicity. <i>Toxicology and Applied Pharmacology</i> , <b>1988</b> , 95, 423-34	4.6	35
67	Effluent from drug manufacturing affects cytochrome P450 1 regulation and function in fish. <i>Chemosphere</i> , <b>2013</b> , 90, 1149-57	8.4	32
66	Maternal transfer of the cyanobacterial neurotoxin N-methylamino-L-alanine (BMAA) via milk to suckling offspring. <i>PLoS ONE</i> , <b>2013</b> , 8, e78133	3.7	32
65	Cytochrome P450-dependent binding of 7,12-dimethylbenz[a]anthracene (DMBA) and benzo[a]pyrene (B[a]P) in murine heart, lung, and liver endothelial cells. <i>Archives of Toxicology</i> , <b>2000</b> , 74, 593-601	5.8	32
64	Metabolic fate of chlorinated paraffins: degree of chlorination of [1-14C]-chlorododecanes in relation to degradation and excretion in mice. <i>Archives of Toxicology</i> , <b>1982</b> , 50, 217-26	5.8	32
63	Adrenocorticolytic DDT-metabolites: studies in mink, <i>Mustela vison</i> and otter, <i>Lutra lutra</i> . <i>Ecotoxicology</i> , <b>1993</b> , 2, 41-53	2.9	31
62	Bronchial mucosal and kidney cortex affinity of 4- and 4,4Rsubstituted sulphur-containing derivatives of 2,2R5,5Rtetrachlorobiphenyl in mice. <i>Chemico-Biological Interactions</i> , <b>1981</b> , 34, 47-55	5	30
61	Effects of glutathione-modulating agents on the covalent binding and toxicity of dichlobenil in the mouse olfactory mucosa. <i>Toxicology and Applied Pharmacology</i> , <b>1992</b> , 114, 31-40	4.6	29
60	Gill EROD in monitoring of CYP1A inducers in fish: a study in rainbow trout ( <i>Oncorhynchus mykiss</i> ) caged in Stockholm and Uppsala waters. <i>Aquatic Toxicology</i> , <b>2007</b> , 85, 1-8	5.1	28
59	Removal of pharmaceuticals and unspecified contaminants in sewage treatment effluents by activated carbon filtration and ozonation: Evaluation using biomarker responses and chemical analysis. <i>Chemosphere</i> , <b>2017</b> , 176, 342-351	8.4	27
58	Cell-specific CYP1A expression and benzo[a]pyrene adduct formation in gills of rainbow trout ( <i>Oncorhynchus mykiss</i> ) following CYP1A induction in the laboratory and in the field. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 874-82	3.8	27
57	CYP1A inhibition in fish gill filaments: a novel assay applied on pharmaceuticals and other chemicals. <i>Aquatic Toxicology</i> , <b>2010</b> , 96, 145-50	5.1	26
56	Adrenocortical toxicity of 3-methylsulphonyl-DDE; 3: Studies in fetal and suckling mice. <i>Reproductive Toxicology</i> , <b>1992</b> , 6, 233-40	3.4	26

55	Disrupted carbonic anhydrase distribution in the avian shell gland following in ovo exposure to estrogen. <i>Archives of Toxicology</i> , <b>2001</b> , 75, 362-8	5.8	24
54	Cytochrome P450 1A, 1B, and 1C mRNA induction patterns in three-spined stickleback exposed to a transient and a persistent inducer. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2011</b> , 154, 42-55	3.2	23
53	Studies on the distribution and metabolism of a <sup>14</sup> C-labelled chlorinated alkane in mice. <i>Environmental Pollution Series A, Ecological and Biological</i> , <b>1982</b> , 27, 45-56		22
52	Distribution of 2,2(1),4,4(1),5,5(1)-hexachlorobiphenyl in mice and Chinese hamsters: dose dependent accumulation in the mouse bronchial mucosa. <i>Archives of Toxicology</i> , <b>1975</b> , 34, 111-9	5.8	21
51	Biphasic hormonal responses to the adrenocorticolytic DDT metabolite 3-methylsulfonyl-DDE in human cells. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 242, 281-9	4.6	20
50	Precautionary Defaults A New Strategy for Chemical Risk Management. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2004</b> , 10, 1-18	4.9	19
49	Metabolism of chlorobenzene in the mucosa of the murine respiratory tract. <i>Lung</i> , <b>1984</b> , 162, 79-88	2.9	19
48	Cysteine and methionine-precursors of methyl sulphone metabolites of 2,4,5-trichlorobiphenyl in mice. <i>Chemico-Biological Interactions</i> , <b>1980</b> , 31, 65-71	5	19
47	Irreversible Binding and Adrenocorticolytic Activity of the DDT Metabolite 3-Methylsulfonyl-DDE Examined in Tissue-Slice Culture. <i>Environmental Health Perspectives</i> , <b>2001</b> , 109, 105-110	8.4	19
46	Potential transfer of neurotoxic amino acid N-methylamino-alanine (BMAA) from mother to infant during breast-feeding: Predictions from human cell lines. <i>Toxicology and Applied Pharmacology</i> , <b>2017</b> , 320, 40-50	4.6	17
45	Transfer of developmental neurotoxin N-methylamino-L-alanine (BMAA) via milk to nursed offspring: Studies by mass spectrometry and image analysis. <i>Toxicology Letters</i> , <b>2016</b> , 258, 108-114	4.4	17
44	Induction of ethoxyresorufin O-deethylase (EROD) and endothelial activation of the heterocyclic amine Trp-P-1 in bird embryo hearts. <i>Archives of Toxicology</i> , <b>1998</b> , 72, 402-10	5.8	17
43	EROD activity in gill filaments of anadromous and marine fish as a biomarker of dioxin-like pollutants. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2003</b> , 136, 235-43	3.2	16
42	Tissue disposition of benzo[A]pyrene in blue mussel ( <i>Mytilus edulis</i> ) and effect of algal concentration on metabolism and depuration. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 2683-2690	2.8	15
41	Pitfalls in the interpretation of whole-body autoradiograms: long-time retention in brain and adrenal cortex caused by metabolic incorporation of <sup>14</sup> C from various labelled xenobiotics. <i>Acta Pharmacologica Et Toxicologica</i> , <b>1985</b> , 56, 55-62		14
40	Comparative CYP-dependent binding of the adrenocortical toxicants 3-methylsulfonyl-DDE and o,p,RDDD in Y-1 adrenal cells. <i>Archives of Toxicology</i> , <b>2007</b> , 81, 793-801	5.8	14
39	Transplacental toxicity of 3-methylsulphonyl-DDE in the developing adrenal cortex in mice. <i>Reproductive Toxicology</i> , <b>1995</b> , 9, 257-64	3.4	14
38	Dichlorovinyl cysteine (DCVC) in the mouse kidney: tissue-binding and toxicity after glutathione depletion and probenecid treatment. <i>Archives of Toxicology</i> , <b>1989</b> , 63, 345-50	5.8	14

37	o,p,RDDD in the mouse lung: selective uptake, covalent binding and effect on drug metabolism. <i>Chemico-Biological Interactions</i> , <b>1986</b> , 60, 129-41	5	14
36	Persistence of 2,3,6-substituted pentachlorobiphenyls in the lung parenchyma: a new structure-dependent tissue localization of polychlorinated biphenyls in mice. <i>Toxicology</i> , <b>1981</b> , 21, 317-224	4.4	14
35	Chlorinated paraffins: disposition of a highly chlorinated polychlorohexadecane in mice and quail. <i>Archives of Toxicology</i> , <b>1983</b> , 53, 79-86	5.8	14
34	Isomer-specific bioactivation and toxicity of dichlorophenyl methylsulphone in rat olfactory mucosa. <i>Toxicologic Pathology</i> , <b>2003</b> , 31, 364-72	2.1	13
33	Persistent olfactory mucosal metaplasia and increased olfactory bulb glial fibrillary acidic protein levels following a single dose of methylsulfonyl-dichlorobenzene in mice: comparison of the 2,5- and 2, 6-dichlorinated isomers. <i>Toxicology and Applied Pharmacology</i> , <b>2000</b> , 162, 49-59	4.6	13
32	The environmental neurotoxin N-methylamino-L-alanine (l-BMAA) is deposited into birds. <i>Reggs. Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 147, 720-724	7	12
31	Covalent binding of four DDD isomers in the mouse lung: lack of structure specificity. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1989</b> , 65, 282-6		12
30	Azoles additively inhibit cytochrome P450 1 (EROD) and 19 (aromatase) in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquatic Toxicology</i> , <b>2018</b> , 198, 73-81	5.1	11
29	Differential effects of the persistent DDT metabolite methylsulfonyl-DDE in nonstimulated and LH-stimulated neonatal porcine Leydig cells. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 267, 247-55	4.6	11
28	Target cells for cytochrome p450-catalysed irreversible binding of 7,12-dimethylbenz[a]anthracene (DMBA) in rodent adrenal glands. <i>Archives of Toxicology</i> , <b>2002</b> , 76, 460-6	5.8	11
27	Pharmacokinetics of the adrenocorticolytic compounds 3-methylsulphonyl-DDE and o,p,RDDD (mitotane) in Minipigs. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2008</b> , 61, 267-74	3.5	9
26	Target cells for methylsulphonyl-2,6-dichlorobenzene in the olfactory mucosa in mice. <i>Chemico-Biological Interactions</i> , <b>2000</b> , 128, 97-113	5	9
25	1,2-Dibromoethane and chloroform in the rainbow trout ( <i>Salmo gairdneri</i> ): studies on the distribution of nonvolatile and irreversibly bound metabolites. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>1989</b> , 26, 209-21	3.2	9
24	Fetal epithelial binding of 1,2-dibromoethane in mice. <i>Carcinogenesis</i> , <b>1986</b> , 7, 1709-14	4.6	9
23	Species differences in 3-methylsulphonyl-DDE bioactivation by adrenocortical tissue. <i>Archives of Toxicology</i> , <b>2008</b> , 82, 159-63	5.8	8
22	Formation of benzo[a]pyrene and 7,12-dimethylbenz[a]anthracene adducts in vascular endothelia of cytochrome P4501A-induced chicken embryos. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 2393-9	3.8	8
21	Nephrotoxicity and covalent binding of 1,1-dichloroethylene in buthionine sulphoximine-treated mice. <i>Archives of Toxicology</i> , <b>1993</b> , 67, 605-12	5.8	8
20	Developmental and reproductive toxicity of persistent environmental pollutants. <i>Archives of Toxicology Supplement</i> , <b>1998</b> , 20, 111-9		8

19	The environmental neurotoxin $\beta$ N-methylamino-L-alanine inhibits melatonin synthesis in primary pinealocytes and a rat model. <i>Journal of Pineal Research</i> , <b>2018</b> , 65, e12488	10.4	7
18	Label-free based quantitative proteomics analysis of primary neonatal porcine Leydig cells exposed to the persistent contaminant 3-methylsulfonyl-DDE. <i>Journal of Proteomics</i> , <b>2016</b> , 137, 68-82	3.9	7
17	Cytotoxicity and decreased corticosterone production in adrenocortical Y-1 cells by 3-methylsulfonyl-DDE and structurally related molecules. <i>Archives of Toxicology</i> , <b>2009</b> , 83, 389-96	5.8	7
16	Olfactory mucosal toxicity screening and multivariate QSAR modeling for chlorinated benzene derivatives. <i>Archives of Toxicology</i> , <b>2004</b> , 78, 706-15	5.8	6
15	Developmental Toxicity in Japanese Quail Exposed to Hydroxylated Metabolites of PCBs in ovo. <i>Avian Biology Research</i> , <b>2005</b> , 16, 11-17		6
14	Effects of dietary and intraperitoneally administered beta-naphthoflavone on mutagenicity and tissue distribution of Trp-P-1 in the rat. <i>Carcinogenesis</i> , <b>1990</b> , 11, 915-9	4.6	6
13	Tissue localization of DDT and two PCB isomers (octa- and tetrachlorobiphenyl) in laying quails. <i>Acta Veterinaria Scandinavica</i> , <b>1978</b> , 19, 368-76	2	6
12	Disposition of some sulphur-containing hexachlorobenzene (HCB) metabolites: affinity of methylsulphonylpentachlorobenzene for the gray matter of brain, the lungs and the adrenal zona reticularis. <i>Acta Pharmacologica Et Toxicologica</i> , <b>1984</b> , 54, 352-60		4
11	Behavioural changes related to olfactory mucosal metaplasia and bulbar glial fibrillary acidic protein (GFAP) induction in methylsulphonyl-dichlorobenzene-treated mice. <i>Archives of Toxicology</i> , <b>2002</b> , 76, 474-83	5.8	4
10	Binding of the aliphatic halides 1,2-dibromoethane and chloroform in the rodent vaginal epithelium. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1987</b> , 60, 294-8		4
9	Basal and induced EROD activity in the chorioallantoic membrane during chicken embryo development. <i>Environmental Toxicology and Pharmacology</i> , <b>1999</b> , 8, 49-52	5.8	3
8	2,6-dichlorophenyl methylsulphone induced behavioural impairments in rats and mice in relation to olfactory mucosal metaplasia. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2003</b> , 93, 156-68		2
7	Degradation to $^{14}\text{CO}_2$ of 4,4Rbis[(2- $^{14}\text{C}$ )-ethylsulphonyl]-2,2R5,5Rtetrachlorobiphenyl. <i>Acta Pharmacologica Et Toxicologica</i> , <b>1984</b> , 55, 429-30		1
6	Irreversible binding of o,pRDDD in interrenal cells of Atlantic cod ( <i>Gadus morhua</i> ). <i>Chemosphere</i> , <b>2003</b> , 50, 1249-53	8.4	1
5	Tissue distribution of the food mutagen MeIQx in control and BNF-treated mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1992</b> , 71, 457-60		1
4	Metabolic activation of halogenated hydrocarbons in the conjunctival epithelium and excretory ducts of the intraorbital lacrimal gland in mice. <i>Experimental Eye Research</i> , <b>1991</b> , 52, 245-52	3.7	1
3	Metabolic activation of carbon tetrachloride by the cervico-vaginal epithelium in rodents. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1989</b> , 65, 336-42		
2	Metabolism-related tissue-binding of halogenated hydrocarbons. <i>Upsala Journal of Medical Sciences</i> , <b>1986</b> , 91, 289-94	2.8	

- 1 Cytochrome P450-catalysed irreversible binding examined in precision-cut adrenal slice culture. *Advances in Experimental Medicine and Biology*, **2001**, 500, 531-4 3.6