Hermann M Bolt

List of Publications by Year in Descending Order

96 papers	3,011 citations	33 h-index	50 g-index
137 ext. papers	3,367 ext. citations	4.7 avg, IF	5.18 L-index

#	Paper	IF	Citations
96	Critique of the "Comment" etitled "Pyrethroid exposure: Not so harmless after all" by Demeneix et al. (2020) published in the lancet diabetes endocrinology. *Toxicology Letters*, **2021**, 340, 1-3	4.4	
95	Harnblasenkrebs durch Risspr□sprays auf Azofarbstoff-Basis. *Zentralblatt Fur Arbeitsmedizin, Arbeitsschutz Und Ergonomie*, **2021**, 71, 1-7	0.3	0
94	Evaluation of oxidative stress and immune parameters of boron exposed males and females. *Food and Chemical Toxicology*, **2020**, 142, 111488	4.7	6
93	Effects of boron compounds on human reproduction. *Archives of Toxicology*, **2020**, 94, 717-724	5.8	20
92	Hepatotoxicity of pyrrolizidine alkaloids in rats in relation to human exposure. *Archives of Toxicology*, **2020**, 94, 2885-2886	5.8	1
91	Testing of female reproductive disorders. *Archives of Toxicology*, **2020**, 94, 3579-3580	5.8	
90	Highlight Report: Adverse outcome pathways: the need of research on mechanisms of toxicity. *Archives of Toxicology*, **2019**, 93, 3385-3386	5.8	
89	Boron-exposed male workers in Turkey: no change in sperm Y:X chromosome ratio and in offspring's sex ratio. *Archives of Toxicology*, **2019**, 93, 743-751	5.8	7
88	Environmental boron exposure does not induce DNA damage in lymphocytes and buccal cells of females: DNA damage in lymphocytes and buccal cells of boron exposed females. *Journal of Trace Elements in Medicine and Biology*, **2019**, 53, 150-153	4.1	6
87	Evaluation of the DNA damage in lymphocytes, sperm and buccal cells of workers under environmental and occupational boron exposure conditions. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2019**, 843, 33-39	3	8
86	Evaluation of FSH, LH, testosterone levels and semen parameters in male boron workers under extreme exposure conditions. *Archives of Toxicology*, **2018**, 92, 3051-3059	5.8	14
85	Birth weights of newborns and pregnancy outcomes of environmentally boron-exposed females in Turkey. *Archives of Toxicology*, **2018**, 92, 2475-2485	5.8	13
84	Practical Thresholds in the Derivation of Occupational Exposure Limits (OELs) for Carcinogens **2016**, 117-128		3
83	Extended analysis validates sample mix-up problem in gene expression datasets : Comment to: Panko B, Science 353, issue 6298, July 29, 2016: Sex problems? Researchers find 'widespread' mislabeling of the sex of human samples. *Archives of Toxicology*, **2016**, 90, 2825-2826	5.8	
82	Risk Assessment of Borates in□Occupational Settings **2015**, 65-105		2
81	Current developments in toxicological research on arsenic. *EXCLI Journal*, **2013**, 12, 64-74	2.4	1
80	Assessment of DNA integrity (COMET assay) in sperm cells of boron-exposed workers. *Archives of Toxicology*, **2012**, 86, 27-35	5.8	32

79	Urinary bladder cancer risk in relation to a single nucleotide polymorphism (rs2854744) in the insulin-like growth factor-binding protein-3 (IGFBP3) gene. *Archives of Toxicology*, **2012**, 86, 195-203	5.8	11
78	Human environmental and occupational exposures to boric acid: reconciliation with experimental reproductive toxicity data. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2012**, 75, 508-14	3.2	22
77	1,3-Propane sultone as an extremely potent human carcinogen: description of an exposed cohort in Germany. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2012**, 75, 544-50	3.2	4
76	Development of a strategy for biological monitoring in a chemical plant producing 3,3'-dichlorobenzidine dihydrochloride. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2012**, 75, 551-6	3.2	2
75	Bladder cancer in crack testers applying azo dye-based sprays to metal bodies. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2012**, 75, 566-71	3.2	18
74	Effects of cigarette smoke condensate on primary urothelial cells in vitro. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2012**, 75, 1194-205	3.2	9
73	Arbeitsplatz **2011**, 359-376		
72	Genetic variants in urinary bladder cancer: collective power of the "wimp SNPs". *Archives of Toxicology*, **2011**, 85, 539-54	5.8	45
71	Reproductive toxicity parameters and biological monitoring in occupationally and environmentally boron-exposed persons in Bandirma, Turkey. *Archives of Toxicology*, **2011**, 85, 589-600	5.8	54
70	Genotyping NAT2 with only two SNPs (rs1041983 and rs1801280) outperforms the tagging SNP rs1495741 and is equivalent to the conventional 7-SNP NAT2 genotype. *Pharmacogenetics and Genomics*, **2011**, 21, 673-8	1.9	38
69	Distinct subtypes of urinary bladder epithelial cells with inducible and non-inducible cytochrome P450 1A1. *Archives of Toxicology*, **2009**, 83, 131-8	5.8	9
68	Micronucleus induction in V79 cells by the anabolic doping steroids desoxymethyltestosterone (madol) and 19-norandrostenedione. *Toxicology Letters*, **2008**, 183, 58-64	4.4	5
67	Elevated bladder cancer risk due to colorants--a statewide case-control study in North Rhine-Westphalia, Germany. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2008**, 71, 851-5	3.2	21
66	Induction of micronuclei in V79 cells by the anabolic doping steroids tetrahydrogestrinone and trenbolone. *Archives of Toxicology*, **2008**, 82, 257-63	5.8	19
65	Reconstruction of N-acetyltransferase 2 haplotypes using PHASE. *Archives of Toxicology*, **2008**, 82, 265-70	5.8	10
64	Some molecular descriptors for non-specific chromosomal genotoxicity based on hydrophobic interactions. *Archives of Toxicology*, **2008**, 82, 333-8	5.8	9
63	Hydrophobic interaction of organic chemicals with microtubule assembly in vitro. *Archives of Toxicology*, **2008**, 82, 601-6	5.8	2
62	Synergism of aromatic amines and benzo[a]pyrene in induction of Ah receptor-dependent genes. *Archives of Toxicology*, **2008**, 82, 973-80	5.8	16

61	The Concept of Practical Thresholds in the Derivation of Occupational Exposure Limits for Carcinogens by the Scientific Committee on Occupational Exposure Limits (SCOEL) of the European Union. *Genes and Environment*, **2008**, 30, 114-119	2.8	10
60	The debate on carcinogenicity of permanent hair dyes: new insights. *Critical Reviews in Toxicology*, **2007**, 37, 521-36	5.7	81
59	Re-assessment of the influence of polymorphisms of phase-II metabolic enzymes on renal cell cancer risk of trichloroethylene-exposed workers. *International Archives of Occupational and Environmental Health*, **2007**, 81, 247-51	3.2	18
58	Occupational exposure of hairdressers to [14C]-para-phenylenediamine-containing oxidative hair dyes: a mass balance study. *Food and Chemical Toxicology*, **2007**, 45, 160-9	4.7	41
57	Proposed criteria for specific and non-specific chromosomal genotoxicity based on hydrophobic interactions. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2007**, 628, 67-75	3	12
56	Acrylamide exposure via the diet: influence of fasting on urinary mercapturic acid metabolite excretion in humans. *Archives of Toxicology*, **2006**, 80, 817-9	5.8	19
55	Genotoxicity and potential carcinogenicity of 2,4,6-TNT trinitrotoluene: structural and toxicological considerations. *Reviews on Environmental Health*, **2006**, 21, 217-28	3.8	35
54	Benzene and its methyl-derivatives: derivation of maximum exposure levels in automobiles. *Toxicology Letters*, **2006**, 160, 93-104	4.4	17
53	Biological monitoring and Biological Limit Values (BLV): the strategy of the European Union. *Toxicology Letters*, **2006**, 162, 119-24	4.4	26
52	Maximum exposure levels for xylene, formaldehyde and acetaldehyde in cars. *Toxicology*, **2005**, 206, 461-70	4.4	11
51	Genotoxicity of inorganic lead salts and disturbance of microtubule function. *Environmental and Molecular Mutagenesis*, **2005**, 45, 346-53	3.2	52
50	Re-investigation of the concordance of human NAT2 phenotypes and genotypes. *Archives of Toxicology*, **2005**, 79, 196-200	5.8	35
49	Cancer of the urinary bladder in highly exposed workers in the production of dinitrotoluenes: a case report. *International Archives of Occupational and Environmental Health*, **2005**, 78, 677-80	3.2	8
48	Cytochrome P450 interactions in human cancers: new aspects considering CYP1B1. *Expert Opinion on Drug Metabolism and Toxicology*, **2005**, 1, 187-202	5.5	73
47	Vinyl chloride-a classical industrial toxicant of new interest. *Critical Reviews in Toxicology*, **2005**, 35, 307-23	5.7	66
46	Renal carcinogenicity of trichloroethylene: update, mode of action, and fundamentals for occupational standard setting. *Reviews on Environmental Health*, **2005**, 20, 103-18	3.8	9
45	Human carcinogenic risk evaluation, part II: contributions of the EUROTOX specialty section for carcinogenesis. *Toxicological Sciences*, **2004**, 81, 3-6	4.4	29
44	Rifampicin, a keystone inducer of drug metabolism: from Herbert Remmer's pioneering ideas to modern concepts. *Drug Metabolism Reviews*, **2004**, 36, 497-509	7	27

43	Urinary alpha1-microglobulin excretion as biomarker of renal toxicity in trichloroethylene-exposed persons. *International Archives of Occupational and Environmental Health*, **2004**, 77, 186-90	3.2	20
42	Occupational exposure and urological cancer. *World Journal of Urology*, **2004**, 21, 382-91	4	98
41	Chromosomal genotoxicity of nitrobenzene and benzonitrile. *Archives of Toxicology*, **2004**, 78, 49-57	5.8	46
40	Genotoxicity of inorganic mercury salts based on disturbed microtubule function. *Archives of Toxicology*, **2004**, 78, 575-83	5.8	75
39	Carcinogenicity categorization of chemicals□ew aspects to be considered in a European perspective. *Toxicology Letters*, **2004**, 151, 29-29	4.4	
38	Association of cytochrome P450 2E1 polymorphisms and head and neck squamous cell cancer. *Toxicology Letters*, **2004**, 151, 273-82	4.4	32
37	Interaction of mercury(II) with the microtubule cytoskeleton in IMR-32 neuroblastoma cells. *Toxicology Letters*, **2004**, 151, 99-104	4.4	17
36	1,3-Propane sultone, an extremely potent experimental carcinogen: what should be expected in humans?. *Toxicology Letters*, **2004**, 151, 251-4	4.4	12
35	VHL mutations in renal cell cancer: does occupational exposure to trichloroethylene make a difference?. *Toxicology Letters*, **2004**, 151, 301-10	4.4	42
34	Carcinogenicity categorization of chemicals-new aspects to be considered in a European perspective. *Toxicology Letters*, **2004**, 151, 29-41	4.4	138
33	Disturbed microtubule function and induction of micronuclei by chelate complexes of mercury(II). *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2004**, 563, 97-106	3	41
32	The cytochrome P-450 isoenzyme CYP2E1 in the biological processing of industrial chemicals: consequences for occupational and environmental medicine. *International Archives of Occupational and Environmental Health*, **2003**, 76, 174-85	3.2	155
31	Markers of genetic susceptibility in human environmental hygiene and toxicology: the role of selected CYP, NAT and GST genes. *International Journal of Hygiene and Environmental Health*, **2003**, 206, 149-71	6.9	134
30	Renal cell cancer risk and occupational exposure to trichloroethylene: results of a consecutive case-control study in Arnsberg, Germany. *American Journal of Industrial Medicine*, **2003**, 43, 274-85	2.7	71
29	Genotoxicity--threshold or not? Introduction of cases of industrial chemicals. *Toxicology Letters*, **2003**, 140-141, 43-51	4.4	39
28	Cytochrome P450 1B1, a new keystone in gene-environment interactions related to human head and neck cancer?. *Archives of Toxicology*, **2002**, 76, 249-56	5.8	43
27	Nephrotoxicity and nephrocarcinogenicity of dinitrotoluene: new aspects to be considered. *Reviews on Environmental Health*, **2002**, 17, 163-72	3.8	16
26	Occupational versus environmental and lifestyle exposures of children and adolescents in the European Union. *Toxicology Letters*, **2002**, 127, 121-6	4.4	6

25	Genetic susceptibility to environmental toxicants: the interface between human and experimental studies in the development of new toxicological concepts. *Toxicology Letters*, **2002**, 127, 321-7	4.4	34
24	Is multiple chemical sensitivity a clinically defined entity?. *Toxicology Letters*, **2002**, 128, 99-106	4.4	33
23	The enhanced bladder cancer susceptibility of NAT2 slow acetylators towards aromatic amines: a review considering ethnic differences. *Toxicology Letters*, **2002**, 128, 229-41	4.4	100
22	Possible impact of human CYP2E1 polymorphisms on the metabolism of acrylonitrile. *Toxicology Letters*, **2002**, 128, 249-55	4.4	18
21	Glutathione transferase activities in renal carcinomas and adjacent normal renal tissues: factors influencing renal carcinogenesis induced by xenobiotics. *Archives of Toxicology*, **2001**, 74, 688-94	5.8	15
20	Biological monitoring in workers in a nitrobenzene reduction plant: haemoglobin versus serum albumin adducts. *International Archives of Occupational and Environmental Health*, **2001**, 74, 483-8	3.2	12
19	Influence of polymorphisms of the human glutathione transferases and cytochrome P450 2E1 enzyme on the metabolism and toxicity of ethylene oxide and acrylonitrile. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2001**, 482, 41-6	3.3	21
18	Procedures for health risk assessment in Europe. *Regulatory Toxicology and Pharmacology*, **2001**, 34, 153-69	3.4	20
17	Species differences in acrylonitrile metabolism and toxicity between experimental animals and humans based on observations in human accidental poisonings. *Archives of Toxicology*, **2000**, 74, 184-9	5.8	42
16	Carcinogenicity and genotoxicity of ethylene oxide: new aspects and recent advances. *Critical Reviews in Toxicology*, **2000**, 30, 595-608	5.7	59
15	Renal toxicity and carcinogenicity of trichloroethylene: key results, mechanisms, and controversies. *Critical Reviews in Toxicology*, **2000**, 30, 253-85	5.7	100
14	Haemoglobin adducts of acrylonitrile and ethylene oxide in acrylonitrile workers, dependent on polymorphisms of the glutathione transferases GSTT1 and GSTM1. *Archives of Toxicology*, **1999**, 73, 197-202	5.8	45
13	Glutathione transferase alpha as a marker for tubular damage after trichloroethylene exposure. *Archives of Toxicology*, **1999**, 73, 246-54	5.8	45
12	Occurrence of urinary tract tumors in miners highly exposed to dinitrotoluene. *Journal of Occupational and Environmental Medicine*, **1999**, 41, 144-9	2	31
11	Hydrolysis of genotoxic methyl-substituted oxiranes: Experimental kinetic and semiempirical studies. *Environmental Toxicology and Chemistry*, **1998**, 17, 2141-2147	3.8	14
10	The carcinogenic risk of ethene (ethylene). *Toxicologic Pathology*, **1998**, 26, 454-6	2.1	14
9	Influence of polymorphisms of GSTM1 and GSTT1 for risk of renal cell cancer in workers with long-term high occupational exposure to trichloroethene. *Archives of Toxicology*, **1997**, 71, 596-9	5.8	78
8	Quantification of endogenous carcinogens. The ethylene oxide paradox. *Biochemical Pharmacology*, **1996**, 52, 1-5	6	42

7	New scientific arguments for regulation of ethylene oxide residues in skin-care products. *Archives of Toxicology*, **1994**, 68, 401-5	5.8	22
6	Roles of etheno-DNA adducts in tumorigenicity of olefins. *CRC Critical Reviews in Toxicology*, **1988**, 18, 299-309		28
5	The rat liver foci bioassay: I. Age-dependence of induction by vinyl chloride of ATPase-deficient foci. *Carcinogenesis*, **1985**, 6, 65-8	4.6	34
4	The rat liver foci bioassay: II. Investigations on the dose-dependent induction of ATPase-deficient foci by vinyl chloride at very low doses. *Carcinogenesis*, **1985**, 6, 69-72	4.6	15
3	Trans-membrane alkylation: a new method for studying irreversible binding of reactive metabolites to nucleic acids. *Biochemical Pharmacology*, **1980**, 29, 449-52	6	9
2	Pharmacokinetics of vinyl chloride. *General Pharmacology*, **1978**, 9, 91-5		14
1	Implication of rifampicin-quinone in the irreversible binding of rifampicin to macromolecules. *Xenobiotica*, **1976**, 6, 21-32	2	23