Hermann M Bolt

List of Publications by Year
in descending order

128 papers	3,685 citations	117625 34 h-index	161849 54 g-index
137 all docs	137 docs citations	137 times ranked	3145 citing authors

#	Article	IF	Citations
1	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, 174-185.	2.3	181
2	Carcinogenicity categorization of chemicalsâ€"new aspects to be considered in a European perspective. Toxicology Letters, 2004, 151, 29-41.	0.8	172
3	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, 149-171.	4.3	147
4	Occupational exposure and urological cancer. World Journal of Urology, 2004, 21, 382-391.	2.2	117
5	The enhanced bladder cancer susceptibility of NAT2 slow acetylators towards aromatic amines: a review considering ethnic differences. Toxicology Letters, 2002, 128, 229-241.	0.8	112
6	Renal Toxicity and Carcinogenicity of Trichloroethylene: Key Results, Mechanisms, and Controversies. Critical Reviews in Toxicology, 2000, 30, 253-285.	3.9	110
7	The Debate on Carcinogenicity of Permanent Hair Dyes: New Insights. Critical Reviews in Toxicology, 2007, 37, 521-536.	3.9	97
8	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, 274-285.	2.1	91
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, 596-599.	4.2	83
10	Genotoxicity of inorganic mercury salts based on disturbed microtubule function. Archives of Toxicology, 2004, 78, 575-583.	4.2	83
11	Vinyl Chlorideâ€"A Classical Industrial Toxicant of New Interest. Critical Reviews in Toxicology, 2005, 35, 307-323.	3.9	81
12	Cytochrome P450 interactions in human cancers: new aspects considering CYP1B1. Expert Opinion on Drug Metabolism and Toxicology, 2005, 1, 187-202.	3.3	79
13	Carcinogenicity and Genotoxicity of Ethylene Oxide: New Aspects and Recent Advances. Critical Reviews in Toxicology, 2000, 30, 595-608.	3.9	71
14	Reproductive toxicity parameters and biological monitoring in occupationally and environmentally boron-exposed persons in BandÄ±rma, Turkey. Archives of Toxicology, 2011, 85, 589-600.	4.2	66
15	Genetic variants in urinary bladder cancer: collective power of the â€œwimp SNPsâ€• Archives of Toxicology, 2011, 85, 539-554.	4.2	65
16	Genotoxicity of inorganic lead salts and disturbance of microtubule function. Environmental and Molecular Mutagenesis, 2005, 45, 346-353.	2.2	58
17	Cytochrome P450 1B1, a new keystone in gene-environment interactions related to human head and neck cancer?. Archives of Toxicology, 2002, 76, 249-256.	4.2	54
18	Chromosomal genotoxicity of nitrobenzene and benzonitrile. Archives of Toxicology, 2004, 78, 49-57.	4.2	53

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19	Arsenic: an ancient toxicant of continuous public health impact, from Iceman Ã–tzi until now. Archives of Toxicology, 2012, 86, 825-830.	4.2	51
20	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.	4.2	50
21	Occupational exposure of hairdressers to [14C]-para-phenylenediamine-containing oxidative hair dyes: A mass balance study. Food and Chemical Toxicology, 2007, 45, 160-169.	3.6	50
22	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, 673-678.	1.5	50
23	Species differences in acrylonitrile metabolism and toxicity between experimental animals and humans based on observations in human accidental poisonings. Archives of Toxicology, 2000, 74, 184-189.	4.2	49
24	VHL mutations in renal cell cancer: does occupational exposure to trichloroethylene make a difference?. Toxicology Letters, 2004, 151, 301-310.	0.8	49
25	Quantification of endogenous carcinogens. Biochemical Pharmacology, 1996, 52, 1-5.	4.4	47
26	Genotoxicityâ€"threshold or not? Introduction of cases of industrial chemicals. Toxicology Letters, 2003, 140-141, 43-51.	0.8	47
27	Glutathione transferase alpha as a marker for tubular damage after trichloroethylene exposure. Archives of Toxicology, 1999, 73, 246-254.	4.2	45
28	Disturbed microtubule function and induction of micronuclei by chelate complexes of mercury(II). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 563, 97-106.	1.7	45
29	Genotoxicity and Potential Carcinogenicity of 2,4,6-Trinitrotoluene: Structural and Toxicological Considerations. Reviews on Environmental Health, 2006, 21, 217-28.	2.4	44
30	Occurrence of Urinary Tract Tumors in Miners Highly Exposed to Dinitrotoluene. Journal of Occupational and Environmental Medicine, 1999, 41, 144-149.	1.7	42
31	Is multiple chemical sensitivity a clinically defined entity?. Toxicology Letters, 2002, 128, 99-106.	0.8	41
32	Re-investigation of the concordance of human NAT2 phenotypes and genotypes. Archives of Toxicology, 2005, 79, 196-200.	4.2	39
33	Genetic susceptibility to environmental toxicants: the interface between human and experimental studies in the development of new toxicological concepts. Toxicology Letters, 2002, 127, 321-327.	0.8	38
34	Assessment of DNA integrity (COMET assay) in sperm cells of boron-exposed workers. Archives of Toxicology, 2012, 86, 27-35.	4.2	38
35	Effects of boron compounds on human reproduction. Archives of Toxicology, 2020, 94, 717-724.	4.2	38
36	The rat liver foci bioassay: I. Age-dependence of induction by vinyl chloride of ATPase-deficient foci. Carcinogenesis, 1985, 6, 65-68.	2.8	36

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37	Rifampicin, A Keystone Inducer of Drug Metabolism: From Herbert Remmer's Pioneering Ideas to Modern Concepts. Drug Metabolism Reviews, 2004, 36, 497-509.	3.6	35
38	Roles of etheno-DNA adducts in tumorigenicity of olefins. CRC Critical Reviews in Toxicology, 1988, 18, 299-309.	4.9	34
39	Association of cytochrome P450 2E1 polymorphisms and head and neck squamous cell cancer. Toxicology Letters, 2004, 151, 273-282.	0.8	34
40	Human Carcinogenic Risk Evaluation, Part II: Contributions of the EUROTOX Specialty Section for Carcinogenesis. Toxicological Sciences, 2004, 81, 3-6.	3.1	33
41	Biological monitoring and Biological Limit Values (BLV): The strategy of the European Union. Toxicology Letters, 2006, 162, 119-124.	0.8	33
42	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, 508-514.	2.3	30
43	Implication of Rifampicin-quinone in the Irreversible Binding of Rifampicin to Macromolecules. Xenobiotica, 1976, 6, 21-32.	1.1	26
44	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, 41-46.	1.0	25
45	Elevated Bladder Cancer Risk Due to Colorantsâ€"A Statewide Case-Control Study in North Rhine-Westphalia, Germany. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2008, 71, 851-855.	2.3	25
46	Boron and its compounds: current biological research activities. Archives of Toxicology, 2017, 91, 2719-2722.	4.2	25
47	New scientific arguments for regulation of ethylene oxide residues in skin-care products. Archives of Toxicology, 1994, 68, 401-405.	4.2	24
48	Procedures for Health Risk Assessment in Europe. Regulatory Toxicology and Pharmacology, 2001, 34, 153-169.	2.7	24
49	Acrylamide exposure via the diet: influence of fasting on urinary mercapturic acid metabolite excretion in humans. Archives of Toxicology, 2006, 80, 817-819.	4.2	24
50	Synergism of aromatic amines and benzo[a]pyrene in induction of Ah receptor-dependent genes. Archives of Toxicology, 2008, 82, 973-980.	4.2	24
51	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, 566-571.	2.3	24
52	Induction of micronuclei in V79 cells by the anabolic doping steroids tetrahydrogestrinone and trenbolone. Archives of Toxicology, 2008, 82, 257-263.	4.2	23
53	Urinary a 1 -microglobulin excretion as biomarker of renal toxicity in trichloroethylene-exposed persons. International Archives of Occupational and Environmental Health, 2004, 77, 186-190.	2.3	22
54	Benzene and its methyl-derivatives: Derivation of maximum exposure levels in automobiles. Toxicology Letters, 2006, 160, 93-104.	0.8	22

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55	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.	2.8	21
56	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, 247-251.	2.3	20
57	Birth weights of newborns and pregnancy outcomes of environmentally boron-exposed females in Turkey. Archives of Toxicology, 2018, 92, 2475-2485.	4.2	20
58	Nephrotoxicity and Nephrocarcinogenicity of Dinitrotoluene: New Aspects to be Considered. Reviews on Environmental Health, 2002, 17, 163-72.	2.4	19
59	Possible impact of human CYP2E1 polymorphisms on the metabolism of acrylonitrile. Toxicology Letters, 2002, 128, 249-255.	0.8	19
60	Evaluation of FSH, LH, testosterone levels and semen parameters in male boron workers under extreme exposure conditions. Archives of Toxicology, 2018, 92, 3051-3059.	4.2	19
61	Pharmacokinetics of vinyl chloride. General Pharmacology, 1978, 9, 91-95.	0.7	17
62	Hydrolysis of genotoxic methylâ€substituted oxiranes: Experimental kinetic and semiempirical studies. Environmental Toxicology and Chemistry, 1998, 17, 2141-2147.	4.3	17
63	The Carcinogenic Risk of Ethene (Ethylene). Toxicologic Pathology, 1998, 26, 454-456.	1.8	17
64	Interaction of mercury(II) with the microtubule cytoskeleton in IMR-32 neuroblastoma cells. Toxicology Letters, 2004, 151, 99-104.	0.8	17
65	Maximum exposure levels for xylene, formaldehyde and acetaldehyde in cars. Toxicology, 2005, 206, 461-470.	4.2	17
66	Glutathione transferase activities in renal carcinomas and adjacent normal renal tissues: factors influencing renal carcinogenesis induced by xenobiotics. Archives of Toxicology, 2001, 74, 688-694.	4.2	15
67	Some molecular descriptors for non-specific chromosomal genotoxicity based on hydrophobic interactions. Archives of Toxicology, 2008, 82, 333-338.	4.2	15
68	1,3-Propane sultone, an extremely potent experimental carcinogen: what should be expected in humans?. Toxicology Letters, 2004, 151, 251-254.	0.8	14
69	Proposed criteria for specific and non-specific chromosomal genotoxicity based on hydrophobic interactions. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 628, 67-75.	1.7	14
70	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.	4.2	14
71	The Concept of â€œPractical Thresholdsâ€•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.	2.1	14
72	Renal carcinogenicity of trichloroethylene: update, mode of action, and fundamentals for occupational standard setting. Reviews on Environmental Health, 2005, 20, 103-18.	2.4	14

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73	Biological monitoring in workers in a nitrobenzene reduction plant: haemoglobin versus serum albumin adducts. International Archives of Occupational and Environmental Health, 2001, 74, 483-488.	2.3	13
74	Recent research on Novichok. Archives of Toxicology, 2022, 96, 1137-1140.	4.2	13
75	Induction and control of oxidative stress. Archives of Toxicology, 2007, 81, 823-824.	4.2	12
76	Reconstruction of N-acetyltransferase 2 haplotypes using PHASE. Archives of Toxicology, 2008, 82, 265-270.	4.2	12
77	Distinct subtypes of urinary bladder epithelial cells with inducible and non-inducible cytochrome P450 1A1. Archives of Toxicology, 2009, 83, 131-138.	4.2	12
78	Effects of Cigarette Smoke Condensate on Primary Urothelial Cells in Vitro. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 1194-1205.	2.3	12
79	Occupational versus environmental and lifestyle exposures of children and adolescents in the European Union. Toxicology Letters, 2002, 127, 121-126.	0.8	11
80	The carcinogenicity debate on formaldehyde: How to derive safe exposure limits?. Archives of Toxicology, 2010, 84, 421-422.	4.2	11
81	Boron-exposed male workers in Turkey: no change in sperm Y:X chromosome ratio and in offspringâ€™s sex ratio. Archives of Toxicology, 2019, 93, 743-751.	4.2	11
82	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.	1.7	11
83	Trans-membrane alkylation: A new method for studying irreversible binding of reactive metabolites to nucleic acids. Biochemical Pharmacology, 1980, 29, 449-452.	4.4	10
84	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, 677-680.	2.3	9
85	Arsenic: metabolism and transport mechanisms in human hepatocytes. Archives of Toxicology, 2010, 84, 1-2.	4.2	9
86	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, 544-550.	2.3	9
87	Environmental boron exposure does not induce DNA damage in lymphocytes and buccal cells of females. Journal of Trace Elements in Medicine and Biology, 2019, 53, 150-153.	3.0	9
88	Evaluation of oxidative stress and immune parameters of boron exposed males and females. Food and Chemical Toxicology, 2020, 142, 111488.	3.6	9
89	Gene array screening for identification of drugs with low levels of adverse side effects. Archives of Toxicology, 2010, 84, 253-254.	4.2	8
90	Current developments in nanosafety research. Archives of Toxicology, 2014, 88, 2089-91.	4.2	7

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91	Electronic cigarettes and vaping: toxicological awareness is increasing. Archives of Toxicology, 2020, 94, 1783-1785.	4.2	7
92	Current research trends on arsenic toxicology. Archives of Toxicology, 2013, 87, 925-926.	4.2	6
93	Micronucleus induction in V79 cells by the anabolic doping steroids desoxymethyltestosterone (madol) and 19-norandrostenedione. Toxicology Letters, 2008, 183, 58-64.	0.8	5
94	Oxidative stress and hepatic carcinogenesis: new insights and applications. Archives of Toxicology, 2010, 84, 87-88.	4.2	5
95	Grouping of nanomaterials for risk assessment. Archives of Toxicology, 2014, 88, 2077-2078.	4.2	5
96	Contemporary trends in toxicological research on arsenic. Archives of Toxicology, 2018, 92, 3251-3253.	4.2	5
97	The rapid development of computational toxicology. Archives of Toxicology, 2020, 94, 1371-1372.	4.2	5
98	Current developments in toxicological research on arsenic. EXCLI Journal, 2013, 12, 64-74.	0.7	5
99	Low-dose extrapolation in toxicology: an old controversy revisited. Archives of Toxicology, 2009, 83, 197-198.	4.2	4
100	Publications in toxicology: the current situation. Archives of Toxicology, 2011, 85, 1-2.	4.2	4
101	Causation of human urothelial cancer: there are challenging new data!. Archives of Toxicology, 2014, 88, 1769-1770.	4.2	4
102	Risk Assessment of Borates inÂOccupational Settings. , 2015, , 65-105.		4
103	Practical Thresholds in the Derivation of Occupational Exposure Limits (OELs) for Carcinogens. , 2016, , 117-128.		4
104	High complexity of toxic reactions: parallels between products of oxidative stress and advanced glycation end products. Archives of Toxicology, 2020, 94, 1373-1374.	4.2	4
105	New aspects in snake venom toxicology. Archives of Toxicology, 2021, 95, 1865-1866.	4.2	4
106	Hydrophobic interaction of organic chemicals with microtubule assembly in vitro. Archives of Toxicology, 2008, 82, 601-606.	4.2	3
107	Adverse outcome pathways. Archives of Toxicology, 2017, 91, 4023-4024.	4.2	3
108	Hepatotoxicity of pyrrolizidine alkaloids in rats in relation to human exposure. Archives of Toxicology, 2020, 94, 2885-2886.	4.2	3

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109	The Janus face of uranium in toxicology. Archives of Toxicology, 2022, 96, 689-690.	4.2	3
110	Development of a Strategy for Biological Monitoring in a Chemical Plant Producing 3,3â€²-Dichlorobenzidine Dihydrochloride. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 551-556.	2.3	2
111	Fighting oil spills at sea and toxicology of complex mixtures. Archives of Toxicology, 2014, 88, 541-2.	4.2	2
112	Tattoo toxicology, an upcoming complex scientific issue. Archives of Toxicology, 2020, 94, 2273-2274.	4.2	2
113	Liber testimonii. Toxicology Letters, 2004, 151, 5-6.	0.8	1
114	The current debate on cost burden by human exposure to endocrine disrupting chemicals. Archives of Toxicology, 2017, 91, 2965-2966.	4.2	1
115	Commemorating 85Âyears of publications on Cannabis by Archives of Toxicology. Archives of Toxicology, 2021, 95, 2231-2233.	4.2	1
116	Carcinogenicity categorization of chemicals?new aspects to be considered in a European perspective*1. Toxicology Letters, 2004, 151, 29-29.	0.8	0
117	Mechanisms of telomere maintenance and attrition: linking cancer and ageing. Archives of Toxicology, 2009, 83, 405-406.	4.2	0
118	Current developments in toxicology. Archives of Toxicology, 2014, 88, 2093-5.	4.2	0
119	Reviews on cutting-edge topics in toxicology. Archives of Toxicology, 2014, 88, 2097-2097.	4.2	0
120	Extended analysis validates sample mix-up problem in gene expression datasets. Archives of Toxicology, 2016, 90, 2825-2826.	4.2	0
121	Stem cells in toxicological research. Archives of Toxicology, 2017, 91, 4029-4030.	4.2	0
122	Combined presence of four individually weak genetic variants strongly increases cancer risk. Archives of Toxicology, 2017, 91, 4025-4026.	4.2	0
123	Biomarker monitoring for food contaminants. Archives of Toxicology, 2018, 92, 1021-1022.	4.2	0
124	Highlight report: caspase 8 as a therapeutic target in chronic liver disease. Archives of Toxicology, 2019, 93, 2709-2710.	4.2	0
125	Highlight Report: Adverse outcome pathways: the need of research on mechanisms of toxicity. Archives of Toxicology, 2019, 93, 3385-3386.	4.2	0
126	Testing of female reproductive disorders. Archives of Toxicology, 2020, 94, 3579-3580.	4.2	0

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127	Critique of the â€œCommentâ€•etitled â€œPyrethroid exposure: Not so harmless after allâ€•by Demeneix et al. (2020) published in the lancet diabetes endocrinology. Toxicology Letters, 2021, 340, 1-3.	0.8	0
128	Progress in retinal toxicity research. Archives of Toxicology, 2022, 96, 387-388.	4.2	0