Dieter Schrenk

List of Publications by Citations

101 papers	6,505 citations	34 h-index	80 g-index
105 ext. papers	7,092 ext. citations	4.5 avg, IF	5.5 L-index

#	Paper	IF	Citations
101	The 2005 World Health Organization reevaluation of human and Mammalian toxic equivalency factors for dioxins and dioxin-like compounds. *Toxicological Sciences*, **2006**, 93, 223-41	4.4	2683
100	Inhibition of histone-deacetylase activity by short-chain fatty acids and some polyphenol metabolites formed in the colon. *Journal of Nutritional Biochemistry*, **2008**, 19, 587-93	6.3	374
99	Dioxins: WHO's tolerable daily intake (TDI) revisited. *Chemosphere*, **2000**, 40, 1095-101	8.4	253
98	The effect of rifampin treatment on intestinal expression of human MRP transporters. *American Journal of Pathology*, **2000**, 157, 1575-80	5.8	249
97	Induction of P-glycoprotein by rifampin increases intestinal secretion of talinolol in human beings: a new type of drug/drug interaction. *Clinical Pharmacology and Therapeutics*, **2000**, 68, 345-55	6.1	214
96	Subacute effects of the brominated flame retardants hexabromocyclododecane and tetrabromobisphenol A on hepatic cytochrome P450 levels in rats. *Toxicology*, **2006**, 218, 229-36	4.4	143
95	Carcinogenicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin in experimental models. *Molecular Nutrition and Food Research*, **2006**, 50, 897-907	5.9	128
94	Carcinogenicity of "non-dioxinlike" polychlorinated biphenyls. *Critical Reviews in Toxicology*, **2006**, 36, 663-94	5.7	116
93	Up-regulation of transporters of the MRP family by drugs and toxins. *Toxicology Letters*, **2001**, 120, 51-7	4.4	109
92	Influence of redox-active compounds and PXR-activators on human MRP1 and MRP2 gene expression. *Toxicology*, **2002**, 171, 137-46	4.4	93
91	Sequence analysis and functional characterization of the 5'-flanking region of the rat multidrug resistance protein 2 (mrp2) gene. *Biochemical and Biophysical Research Communications*, **1998**, 245, 325-31	3.4	90
90	Interim relative potency factors for the toxicological risk assessment of pyrrolizidine alkaloids in food and herbal medicines. *Toxicology Letters*, **2016**, 263, 44-57	4.4	85
89	Potency of various polycyclic aromatic hydrocarbons as inducers of CYP1A1 in rat hepatocyte cultures. *Chemico-Biological Interactions*, **1999**, 117, 135-50	5	81
88	A 28-day oral dose toxicity study enhanced to detect endocrine effects of a purified technical pentabromodiphenyl ether (pentaBDE) mixture in Wistar rats. *Toxicology*, **2008**, 245, 109-22	4.4	79
87	Dioxin toxicity, aryl hydrocarbon receptor signaling, and apoptosis-persistent pollutants affect programmed cell death. *Critical Reviews in Toxicology*, **2011**, 41, 292-320	5.7	71
86	Human and rat hepatocyte toxicity and protein phosphatase 1 and 2A inhibitory activity of naturally occurring desmethyl-microcystins and nodularins. *Toxicology*, **2012**, 293, 59-67	4.4	68
85	Assessment of biological activities of mixtures of polychlorinated dibenzo-p-dioxins: comparison between defined mixtures and their constituents. *Archives of Toxicology*, **1991**, 65, 114-8	5.8	67

84	Induction of hepatic mrp2 (cmrp/cmoat) gene expression in nonhuman primates treated with rifampicin or tamoxifen. *Archives of Toxicology*, **1998**, 72, 763-8	5.8	64
83	Natural furocoumarins as inducers and inhibitors of cytochrome P450 1A1 in rat hepatocytes. *Biochemical Pharmacology*, **2005**, 69, 657-67	6	64
82	Animal studies addressing the carcinogenicity of TCDD (or related compounds) with an emphasis on tumour promotion. *Food Additives and Contaminants*, **2000**, 17, 289-302		57
81	2,3,7,8-Tetrachlorodibenzo-p-dioxin induced cytochrome P450s alter the formation of reactive oxygen species in liver cells. *Molecular Nutrition and Food Research*, **2006**, 50, 378-84	5.9	55
80	Metabolic activation of 2-acetylaminofluorene is required for induction of multidrug resistance gene expression in rat liver cells. *Carcinogenesis*, **1994**, 15, 2541-6	4.6	46
79	Role of the nuclear xenobiotic receptors CAR and PXR in induction of cytochromes P450 by non-dioxinlike polychlorinated biphenyls in cultured rat hepatocytes. *Toxicology and Applied Pharmacology*, **2013**, 272, 77-85	4.6	45
78	2,3,7,8-Tetrachlorodibenzo-p-dioxin and ethinylestradiol as co-mitogens in cultured rat hepatocytes. *Carcinogenesis*, **1992**, 13, 453-6	4.6	42
77	Inhibition of UV-C light-induced apoptosis in liver cells by 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicological Sciences*, **2009**, 111, 49-63	4.4	41
76	Effects of storage conditions on furocoumarin levels in intact, chopped, or homogenized parsnips. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 2565-70	5.7	41
75	Assessment of biological activities of mixtures of polychlorinated dibenzo-p-dioxins (PCDDs) and their constituents in human HepG2 cells. *Archives of Toxicology*, **1992**, 66, 220-3	5.8	40
74	Cytochrome P450 1A1 expression and activity in Caco-2 cells: modulation by apple juice extract and certain apple polyphenols. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 10262-8	5.7	39
73	Apple juice intervention modulates expression of ARE-dependent genes in rat colon and liver. *European Journal of Nutrition*, **2011**, 50, 135-43	5.2	37
72	Characterization of ochratoxin A-induced apoptosis in primary rat hepatocytes. *Cell Biology and Toxicology*, **2010**, 26, 239-54	7.4	37
71	Pyrrolizidine alkaloids in food and phytomedicine: Occurrence, exposure, toxicity, mechanisms, and risk assessment - A review. *Food and Chemical Toxicology*, **2020**, 136, 111107	4.7	36
70	Hepatic metabolism of carcinogenic □asarone. *Chemical Research in Toxicology*, **2015**, 28, 1760-73	4	35
69	Major furocoumarins in grapefruit juice II: phototoxicity, photogenotoxicity, and inhibitory potency vs. cytochrome P450 3A4 activity. *Food and Chemical Toxicology*, **2012**, 50, 756-60	4.7	35
68	Formation of hepatic DNA adducts by methyleugenol in mouse models: drastic decrease by Sult1a1 knockout and strong increase by transgenic human SULT1A1/2. *Carcinogenesis*, **2014**, 35, 935-41	4.6	34
67	Metabolism of methyleugenol in liver microsomes and primary hepatocytes: pattern of metabolites, cytotoxicity, and DNA-adduct formation. *Toxicological Sciences*, **2012**, 129, 21-34	4.4	33

66	Technical pentabromodiphenyl ether and hexabromocyclododecane as activators of the pregnane-X-receptor (PXR). *Toxicology*, **2009**, 264, 45-51	4.4	32
65	Tryptanthrins: a novel class of agonists of the aryl hydrocarbon receptor. *Biochemical Pharmacology*, **1997**, 54, 165-71	6	32
64	Evaluation of the cytotoxic and mutagenic potential of three ginkgolic acids. *Toxicology*, **2015**, 327, 47-52	4.4	31
63	Consensus toxicity factors for polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls combining in silico models and extensive in vitro screening of AhR-mediated effects in human and rodent cells. *Chemical Research in Toxicology*, **2015**, 28, 641-50	4	31
62	Promotion of preneoplastic foci in rat liver with 2,3,7,8-tetrachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin and a defined mixture of 49 polychlorinated dibenzo-p-dioxins. *Carcinogenesis*, **1994**, 15, 509-15	4.6	31
61	Hepatic effects of a highly purified 2,2′,3,4,4′,5,5′-heptachlorbiphenyl (PCB 180) in male and female rats. *Toxicology*, **2011**, 284, 42-53	4.4	30
60	Major furocoumarins in grapefruit juice I: levels and urinary metabolite(s). *Food and Chemical Toxicology*, **2011**, 49, 3224-31	4.7	29
59	Metabolism of the carcinogen alpha-asarone in liver microsomes. *Food and Chemical Toxicology*, **2016**, 87, 103-12	4.7	26
58	Application of the equivalency factor concept to the phototoxicity and -genotoxicity of furocoumarin mixtures. *Food and Chemical Toxicology*, **2014**, 68, 257-66	4.7	25
57	Lack of adverse effects in subchronic and chronic toxicity/carcinogenicity studies on the glyphosate-resistant genetically modified maize NK603 in Wistar Han RCC rats. *Archives of Toxicology*, **2019**, 93, 1095-1139	5.8	24
56	Current methods in risk assessment of genotoxic chemicals. *Food and Chemical Toxicology*, **2017**, 106, 574-582	4.7	23
55	CYP1A1-inducing potency in H4IIE cells and chemical composition of technical mixtures of polychlorinated biphenyls. *Environmental Toxicology and Pharmacology*, **1996**, 1, 73-9	5.8	23
54	Toxicological profile of ultrapure 2,2′,3,4,4′,5,5′-heptachlorbiphenyl (PCB 180) in adult rats. *PLoS ONE*, **2014**, 9, e104639	3.7	22
53	Development of stably transfected human and rat hepatoma cell lines for the species-specific assessment of xenobiotic response enhancer module (XREM)-dependent induction of drug metabolism. *Toxicology*, **2010**, 277, 11-9	4.4	22
52	Inhibition of apoptosis in rat hepatocytes treated with non-dioxin-like polychlorinated biphenyls. *Carcinogenesis*, **2001**, 22, 1601-6	4.6	22
51	Estimates of Ethanol Exposure in Children from Food not Labeled as Alcohol-Containing. *Journal of Analytical Toxicology*, **2016**, 40, 537-42	2.9	21
50	Single nucleotide polymorphism analysis and functional characterization of the human Ah receptor (AhR) gene promoter. *Archives of Biochemistry and Biophysics*, **2004**, 421, 91-8	4.1	20
49	Comparative investigation of the mutagenicity of propenylic and allylic asarone isomers in the Ames fluctuation assay. *Mutagenesis*, **2016**, 31, 443-51	2.8	19

48	Application of the concept of relative photomutagenic potencies to selected furocoumarins in V79 cells. *Toxicology in Vitro*, **2010**, 24, 558-66	3.6	19
47	In vitro metabolism of pyrrolizidine alkaloids - Metabolic degradation and GSH conjugate formation of different structure types. *Food and Chemical Toxicology*, **2020**, 135, 110868	4.7	19
46	Basal expression of the rat, but not of the human, multidrug resistance protein 2 (MRP2) gene is mediated by CBF/NF-Y and Sp1 promoter-binding sites. *Toxicology*, **2001**, 167, 25-35	4.4	18
45	Metabolism of methylisoeugenol in liver microsomes of human, rat, and bovine origin. *Drug Metabolism and Disposition*, **2011**, 39, 1727-33	4	16
44	Inhibition of apoptosis by 2,3,7,8-tetrachlorodibenzo-p-dioxin depends on protein biosynthesis. *Cell Biology and Toxicology*, **2010**, 26, 391-401	7.4	16
43	Variability of the human aryl hydrocarbon receptor nuclear translocator (ARNT) gene. *Journal of Human Genetics*, **2002**, 47, 217-24	4.3	16
42	2,3,7,8-Tetrachlorodibenzo-p-dioxin as growth modulator in mouse hepatocytes with high and low affinity Ah receptor. *Carcinogenesis*, **1994**, 15, 27-31	4.6	16
41	Aroma Characterization and Safety Assessment of a Beverage Fermented by Trametes versicolor. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 6915-21	5.7	15
40	Formation and fate of DNA adducts of alpha- and beta-asarone in rat hepatocytes. *Food and Chemical Toxicology*, **2018**, 116, 138-146	4.7	15
39	Structure-dependent hepato-cytotoxic potencies of selected pyrrolizidine alkaloids in primary rat hepatocyte culture. *Food and Chemical Toxicology*, **2020**, 135, 110923	4.7	15
38	Estrogen receptor □and aryl hydrocarbon receptor cross-talk in a transfected hepatoma cell line (HepG2) exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicology Reports*, **2014**, 1, 1029-1036	4.8	14
37	In vitro biotransformation of pyrrolizidine alkaloids in different species. Part□: Microsomal degradation. *Archives of Toxicology*, **2018**, 92, 1089-1097	5.8	14
36	2,3,7,8-Tetrachlorodibenzo-p-dioxin suppresses apoptosis and leads to hyperphosphorylation of p53 in rat hepatocytes. *Environmental Toxicology and Pharmacology*, **1998**, 6, 239-47	5.8	13
35	Dietary fiber, low-molecular-weight food constituents and colo-rectal inflammation in animal models -- a review. *Molecular Nutrition and Food Research*, **2009**, 53, 1281-8	5.9	11
34	Relative photomutagenicity of furocoumarins and limettin in the hypoxanthine phosphoribosyl transferase assay in V79 cells. *Chemical Research in Toxicology*, **2009**, 22, 1639-47	4	10
33	Structure-dependent genotoxic potencies of selected pyrrolizidine alkaloids in metabolically competent HepG2 cells. *Archives of Toxicology*, **2020**, 94, 4159-4172	5.8	10
32	What is the meaning of ₸A compound is carcinogenic₹. *Toxicology Reports*, **2018**, 5, 504-511	4.8	10
31	Characterization of the cytotoxicity of selected Chelidonium alkaloids in rat hepatocytes. *Toxicology Letters*, **2019**, 311, 91-97	4.4	9

30	Nodularin-triggered apoptosis and hyperphosphorylation of signaling proteins in cultured rat hepatocytes. *Toxicology in Vitro*, **2015**, 29, 16-26	3.6	9
29	In vitro biotransformation of pyrrolizidine alkaloids in different species: part II-identification and quantitative assessment of the metabolite profile of six structurally different pyrrolizidine alkaloids. *Archives of Toxicology*, **2020**, 94, 3759-3774	5.8	9
28	Tryptanthrins and other tryptophan-derived agonists of the dioxin receptor. *Advances in Experimental Medicine and Biology*, **1999**, 467, 403-8	3.6	9
27	Species-specific activation of nuclear receptors correlates with the response of liver drug metabolizing enzymes to EMD 392949 in vitro. *Toxicology Letters*, **2010**, 193, 120-3	4.4	7
26	Undesired Plant-Derived Components in Food **2017**, 379-424		6
25	Effects of Leuzea carthamoides on human breast adenocarcinoma MCF-7 cells determined by gene expression profiling and functional assays. *Planta Medica*, **2008**, 74, 1701-8	3.1	6
24	Metabolism of carcinogenic alpha-asarone by human cytochrome P450 enzymes. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2020**, 393, 213-223	3.4	6
23	Automated optical grape-sorting of rotten grapes: effects of rot infections on gluconic acid concentrations and glycerol/gluconic acid ratios in must and wine. *Journal of Wine Research*, **2015**, 26, 18-28	1	5
22	Dioxins and Polychlorinated Biphenyls in Foods **2017**, 69-89		5
21	Metabolic Pattern of Hepatotoxic Pyrrolizidine Alkaloids in Liver Cells. *Chemical Research in Toxicology*, **2021**, 34, 1101-1113	4	5
20	An integrated approach to the safety assessment of food additives in early life. *Toxicology Research and Application*, **2017**, 1, 239784731770737	0.8	4
19	Genomic structure of the human Ah receptor nuclear translocator gene (hARNT). *Human Genetics*, **2000**, 107, 397-9	6.3	4
18	Estragole: DNA adduct formation in primary rat hepatocytes and genotoxic potential in HepG2-CYP1A2 cells. *Toxicology*, **2020**, 444, 152566	4.4	4
17	Proposed criteria for the evaluation of the scientific quality of mandatory rat and mouse feeding trials with whole food/feed derived from genetically modified plants. *Archives of Toxicology*, **2016**, 90, 2287-2291	5.8	3
16	Crystal structure of glycidamide: the mutagenic and genotoxic metabolite of acryl-amide. *Acta Crystallographica Section E: Crystallographic Communications*, **2016**, 72, 1179-82	0.7	3
15	Novel Insights into Pyrrolizidine Alkaloid Toxicity and Implications for Risk Assessment: Occurrence, Genotoxicity, Toxicokinetics, Risk Assessment-A Workshop Report. *Planta Medica*, **2021**,	3.1	3
14	Endocrine, metabolic and apical effects of in utero and lactational exposure to non-dioxin-like 2,2′3,4,4′5,5′heptachlorobiphenyl (PCB 180): A postnatal follow-up study in rats. *Reproductive Toxicology*, **2021**, 102, 109-127	3.4	3
13	Acrylamide-derived DNA adducts in human peripheral blood mononuclear cell DNA: Correlation with body mass. *Food and Chemical Toxicology*, **2021**, 157, 112575	4.7	3

12	2,3,7,8-Tetrafluorodibenzo-p-dioxin: a potent agonist of the murine dioxin receptor. *Environmental Toxicology and Pharmacology*, **1997**, 3, 105-13	5.8	2
11	A Benchmark analysis of acrylamide-derived DNA adducts in rat hepatocytes in culture measured by a new, highly sensitive method. *Toxicology*, **2021**, 464, 153022	4.4	2
10	Do PCDD/PCDF standard solutions used in dioxin analysis pose a risk as potentially acutely toxic to lab personnel?. *Chemosphere*, **2017**, 185, 489-498	8.4	1
9	Regulatory toxicology: objectives and tasks defined by the working group of the German society of experimental and clinical pharmacology and toxicology. *Toxicology Letters*, **2002**, 126, 167	4.4	0
8	The mutagenic potency of onion juice vs. its contents of quercetin and rutin. *Food and Chemical Toxicology*, **2021**, 148, 111923	4.7	0
7	Risikobewertung von Lebensmittel-Kontaminanten. *Chemie in Unserer Zeit*, **2019**, 53, 286-290	0.2	
6	Organische Halogenverbindungen II **2011**, 177-199		
5	Dioxin Activated AHR and Cancer in Laboratory Animals **2011**, 245-256		
4	Der Dioxinskandal Toxikologisch betrachtet. *BioSpektrum*, **2011**, 17, 236-238	0.1	
3	Toxizität der Dioxine. Ultragifte oder Panikmache?. *Biologie in Unserer Zeit*, **2011**, 41, 174-180	0.1	
2	Contributions **2004**, 37-278		
1	Suppression of apoptotic signaling in rat hepatocytes by non-dioxin-like polychlorinated biphenyls depends on the receptors CAR and PXR. *Toxicology*, **2021**, 464, 153023	4.4	