# Dieter Schrenk

## List of Publications by Year in Descending Order



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| 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 | 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 |
| 100 | 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 | |
| 99 | 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 |
| 98 | Metabolic Pattern of Hepatotoxic Pyrrolizidine Alkaloids in Liver Cells. *Chemical Research in Toxicology*, **2021**, 34, 1101-1113 | 4 | 5 |
| 97 | 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 |
| 96 | The mutagenic potency of onion juice vs. its contents of quercetin and rutin. *Food and Chemical Toxicology*, **2021**, 148, 111923 | 4.7 | 0 |
| 95 | 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 |
| 94 | Structure-dependent hepato-cytotoxic potencies of selected pyrrolizidine alkaloids in primary rat hepatocyte culture. *Food and Chemical Toxicology*, **2020**, 135, 110923 | 4.7 | 15 |
| 93 | 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 |
| 92 | 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 |
| 91 | Estragole: DNA adduct formation in primary rat hepatocytes and genotoxic potential in HepG2-CYP1A2 cells. *Toxicology*, **2020**, 444, 152566 | 4.4 | 4 |
| 90 | 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 |
| 89 | Structure-dependent genotoxic potencies of selected pyrrolizidine alkaloids in metabolically competent HepG2 cells. *Archives of Toxicology*, **2020**, 94, 4159-4172 | 5.8 | 10 |
| 88 | Metabolism of carcinogenic alpha-asarone by human cytochrome P450 enzymes. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2020**, 393, 213-223 | 3.4 | 6 |
| 87 | Risikobewertung von Lebensmittel-Kontaminanten. *Chemie in Unserer Zeit*, **2019**, 53, 286-290 | 0.2 | |
| 86 | Characterization of the cytotoxicity of selected Chelidonium alkaloids in rat hepatocytes. *Toxicology Letters*, **2019**, 311, 91-97 | 4.4 | 9 |
| 85 | 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 |

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| 84 | 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 |
| 83 | In vitro biotransformation of pyrrolizidine alkaloids in different species. Part□I: Microsomal degradation. *Archives of Toxicology*, **2018**, 92, 1089-1097 | 5.8 | 14 |
| 82 | What is the meaning of "A compound is carcinogenic"?. *Toxicology Reports*, **2018**, 5, 504-511 | 4.8 | 10 |
| 81 | An integrated approach to the safety assessment of food additives in early life. *Toxicology Research and Application*, **2017**, 1, 239784731770737 | 0.8 | 4 |
| 80 | 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 |
| 79 | Dioxins and Polychlorinated Biphenyls in Foods **2017**, 69-89 | | 5 |
| 78 | Undesired Plant-Derived Components in Food **2017**, 379-424 | | 6 |
| 77 | Current methods in risk assessment of genotoxic chemicals. *Food and Chemical Toxicology*, **2017**, 106, 574-582 | 4.7 | 23 |
| 76 | Estimates of Ethanol Exposure in Children from Food not Labeled as Alcohol-Containing. *Journal of Analytical Toxicology*, **2016**, 40, 537-42 | 2.9 | 21 |
| 75 | 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 |
| 74 | Metabolism of the carcinogen alpha-asarone in liver microsomes. *Food and Chemical Toxicology*, **2016**, 87, 103-12 | 4.7 | 26 |
| 73 | Comparative investigation of the mutagenicity of propenylic and allylic asarone isomers in the Ames fluctuation assay. *Mutagenesis*, **2016**, 31, 443-51 | 2.8 | 19 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | Hepatic metabolism of carcinogenic □-asarone. *Chemical Research in Toxicology*, **2015**, 28, 1760-73 | 4 | 35 |
| 67 | Evaluation of the cytotoxic and mutagenic potential of three ginkgolic acids. *Toxicology*, **2015**, 327, 47-52 | 4.4 | 31 |

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| 66 | Nodularin-triggered apoptosis and hyperphosphorylation of signaling proteins in cultured rat hepatocytes. *Toxicology in Vitro*, **2015**, 29, 16-26 | 3.6 | 9 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | Estrogen receptor α 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | 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 |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | Organische Halogenverbindungen II **2011**, 177-199 | | |
| 54 | Dioxin Activated AHR and Cancer in Laboratory Animals **2011**, 245-256 | | |
| 53 | Major furocoumarins in grapefruit juice I: levels and urinary metabolite(s). *Food and Chemical Toxicology*, **2011**, 49, 3224-31 | 4.7 | 29 |
| 52 | 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 |
| 51 | Der Dioxinskandal – toxikologisch betrachtet. *BioSpektrum*, **2011**, 17, 236-238 | 0.1 | |
| 50 | Toxizität der Dioxine. Ultragifte oder Panikmache?. *Biologie in Unserer Zeit*, **2011**, 41, 174-180 | 0.1 | |
| 49 | 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 |

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| 48 | Metabolism of methylisoeugenol in liver microsomes of human, rat, and bovine origin. *Drug Metabolism and Disposition*, **2011**, 39, 1727-33 | 4 | 16 |
| 47 | 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 |
| 46 | Application of the concept of relative photomutagenic potencies to selected furocoumarins in V79 cells. *Toxicology in Vitro*, **2010**, 24, 558-66 | 3.6 | 19 |
| 45 | Characterization of ochratoxin A-induced apoptosis in primary rat hepatocytes. *Cell Biology and Toxicology*, **2010**, 26, 239-54 | 7.4 | 37 |
| 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 | 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 |
| 42 | 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 |
| 41 | Technical pentabromodiphenyl ether and hexabromocyclododecane as activators of the pregnane-X-receptor (PXR). *Toxicology*, **2009**, 264, 45-51 | 4.4 | 32 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | Carcinogenicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin in experimental models. *Molecular Nutrition and Food Research*, **2006**, 50, 897-907 | 5.9 | 128 |
| 33 | 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 |
| 32 | Carcinogenicity of "non-dioxinlike" polychlorinated biphenyls. *Critical Reviews in Toxicology*, **2006**, 36, 663-94 | 5.7 | 116 |
| 31 | 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 |

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| 30 | 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 |
| 29 | Natural furocoumarins as inducers and inhibitors of cytochrome P450 1A1 in rat hepatocytes. *Biochemical Pharmacology*, **2005**, 69, 657-67 | 6 | 64 |
| 28 | Contributions **2004**, 37-278 | | |
| 27 | 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 |
| 26 | Variability of the human aryl hydrocarbon receptor nuclear translocator (ARNT) gene. *Journal of Human Genetics*, **2002**, 47, 217-24 | 4.3 | 16 |
| 25 | Influence of redox-active compounds and PXR-activators on human MRP1 and MRP2 gene expression. *Toxicology*, **2002**, 171, 137-46 | 4.4 | 93 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | Inhibition of apoptosis in rat hepatocytes treated with Tnon-dioxin-likeTpolychlorinated biphenyls. *Carcinogenesis*, **2001**, 22, 1601-6 | 4.6 | 22 |
| 20 | Up-regulation of transporters of the MRP family by drugs and toxins. *Toxicology Letters*, **2001**, 120, 51-7 | 4.4 | 109 |
| 19 | 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 |
| 18 | Genomic structure of the human Ah receptor nuclear translocator gene (hARNT). *Human Genetics*, **2000**, 107, 397-9 | 6.3 | 4 |
| 17 | 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 |
| 16 | The effect of rifampin treatment on intestinal expression of human MRP transporters. *American Journal of Pathology*, **2000**, 157, 1575-80 | 5.8 | 249 |
| 15 | Dioxins: WHOTs tolerable daily intake (TDI) revisited. *Chemosphere*, **2000**, 40, 1095-101 | 8.4 | 253 |
| 14 | Potency of various polycyclic aromatic hydrocarbons as inducers of CYP1A1 in rat hepatocyte cultures. *Chemico-Biological Interactions*, **1999**, 117, 135-50 | 5 | 81 |
| 13 | Tryptanthrins and other tryptophan-derived agonists of the dioxin receptor. *Advances in Experimental Medicine and Biology*, **1999**, 467, 403-8 | 3.6 | 9 |

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| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | Tryptanthrins: a novel class of agonists of the aryl hydrocarbon receptor. *Biochemical Pharmacology* , **1997**, 54, 165-71 | 6 | 32 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | 2,3,7,8-Tetrachlorodibenzo-p-dioxin and ethinylestradiol as co-mitogens in cultured rat hepatocytes. *Carcinogenesis*, **1992**, 13, 453-6 | 4.6 | 42 |
| 2 | 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 |
| 1 | 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 |