Dieter Schrenk

List of Publications by Year
in descending order

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97	7,703	94269	49773
papers	citations	37 h-index	87 g-index

105	105	105	7710
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences, 2006, 93, 223-241.	1.4	3,071
2	Inhibition of histone-deacetylase activity by short-chain fatty acids and some polyphenol metabolites formed in the colon. Journal of Nutritional Biochemistry, 2008, 19, 587-593.	1.9	483
3	Dioxins: WHOâ€™s tolerable daily intake (TDI) revisited. Chemosphere, 2000, 40, 1095-1101.	4.2	293
4	The Effect of Rifampin Treatment on Intestinal Expression of Human MRP Transporters. American Journal of Pathology, 2000, 157, 1575-1580.	1.9	269
5	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, 345-355.	2.3	258
6	Subacute effects of the brominated flame retardants hexabromocyclododecane and tetrabromobisphenol A on hepatic cytochrome P450 levels in rats. Toxicology, 2006, 218, 229-236.	2.0	154
7	Carcinogenicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin in experimental models. Molecular Nutrition and Food Research, 2006, 50, 897-907.	1.5	152
8	Carcinogenicity of â€œNon-Dioxinlikeâ€•Polychlorinated Biphenyls. Critical Reviews in Toxicology, 2006, 36, 663-694.	1.9	127
9	Up-regulation of transporters of the MRP family by drugs and toxins. Toxicology Letters, 2001, 120, 51-57.	0.4	119
10	Interim relative potency factors for the toxicological risk assessment of pyrrolizidine alkaloids in food and herbal medicines. Toxicology Letters, 2016, 263, 44-57.	0.4	110
11	Influence of redox-active compounds and PXR-activators on human MRP1 and MRP2 gene expression. Toxicology, 2002, 171, 137-146.	2.0	97
12	Sequence Analysis and Functional Characterization of the 5â€²-Flanking Region of the Rat Multidrug Resistance Protein 2 (MRP2) Gene. Biochemical and Biophysical Research Communications, 1998, 245, 325-331.	1.0	96
13	Potency of various polycyclic aromatic hydrocarbons as inducers of CYP1A1 in rat hepatocyte cultures. Chemico-Biological Interactions, 1999, 117, 135-150.	1.7	93
14	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, 109-122.	2.0	86
15	Dioxin toxicity, aryl hydrocarbon receptor signaling, and apoptosisâ€”Persistent pollutants affect programmed cell death. Critical Reviews in Toxicology, 2011, 41, 292-320.	1.9	86
16	Pyrrolizidine alkaloids in food and phytomedicine: Occurrence, exposure, toxicity, mechanisms, and risk assessment - A review. Food and Chemical Toxicology, 2020, 136, 111107.	1.8	84
17	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.	2.0	80
18	Assessment of biological activities of mixtures of polychlorinated dibenzo-p-dioxins: Comparison between defined mixtures and their constituents. Archives of Toxicology, 1991, 65, 114-118.	1.9	71

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19	Natural furocoumarins as inducers and inhibitors of cytochrome P450 1A1 in rat hepatocytes. Biochemical Pharmacology, 2005, 69, 657-667.	2.0	71
20	Induction of hepatic mrp2 (cmrp / cmoat) gene expression in nonhuman primates treated with rifampicin or tamoxifen. Archives of Toxicology, 1998, 72, 763-768.	1.9	67
21	Animal studies addressing the carcinogenicity of TCDD (or related compounds) with an emphasis on tumour promotion. Food Additives and Contaminants, 2000, 17, 289-302.	2.0	67
22	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, 378-384.	1.5	60
23	Metabolic activation of 2-acetylaminofluorene is required for induction of multidrug resistance gene expression in rat liver cells. Carcinogenesis, 1994, 15, 2541-2546.	1.3	50
24	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, 935-941.	1.3	50
25	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.	1.3	49
26	Effects of Storage Conditions on Furocoumarin Levels in Intact, Chopped, or Homogenized Parsnips. Journal of Agricultural and Food Chemistry, 2002, 50, 2565-2570.	2.4	48
27	2,3,7,8-Tetrachlorodibenzo-p-dioxin and ethinylestradiol as co-mitogens in cultured rat hepatocytes. Carcinogenesis, 1992, 13, 453-456.	1.3	45
28	Cytochrome P450 1A1 Expression and Activity in Caco-2 Cells:Â Modulation by Apple Juice Extract and Certain Apple Polyphenols. Journal of Agricultural and Food Chemistry, 2006, 54, 10262-10268.	2.4	45
29	Evaluation of the cytotoxic and mutagenic potential of three ginkgolic acids. Toxicology, 2015, 327, 47-52.	2.0	45
30	Inhibition of UV-C Lightâ€“Induced Apoptosis in Liver Cells by 2,3,7,8-Tetrachlorodibenzo-p-Dioxin. Toxicological Sciences, 2009, 111, 49-63.	1.4	43
31	Hepatic Metabolism of Carcinogenic Î²-Asarone. Chemical Research in Toxicology, 2015, 28, 1760-1773.	1.7	43
32	Assessment of biological activities of mixtures of polychlorinated dibenzo-p-dioxins (PCDDs) and their constituents in human HepG2 cells. Archives of Toxicology, 1992, 66, 220-223.	1.9	42
33	Characterization of ochratoxin A-induced apoptosis in primary rat hepatocytes. Cell Biology and Toxicology, 2010, 26, 239-254.	2.4	41
34	Apple juice intervention modulates expression of ARE-dependent genes in rat colon and liver. European Journal of Nutrition, 2011, 50, 135-143.	1.8	41
35	Major furocoumarins in grapefruit juice II: Phototoxicity, photogenotoxicity, and inhibitory potency vs. cytochrome P450 3A4 activity. Food and Chemical Toxicology, 2012, 50, 756-760.	1.8	40
36	Metabolism of Methyleugenol in Liver Microsomes and Primary Hepatocytes: Pattern of Metabolites, Cytotoxicity, and DNA-Adduct Formation. Toxicological Sciences, 2012, 129, 21-34.	1.4	40

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37	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, 641-650.	1.7	40
38	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.	1.9	40
39	Promotion of preneoplastic foci in rat liver with 2,3,7,8-tetrachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-heptachloro-dibenzo-p-dioxin and a defined mixture of 49 polychlorinated dibenzo-p-dioxins. Carcinogenesis, 1994, 15, 509-515.	1.3	37
40	Technical pentabromodiphenyl ether and hexabromocyclododecane as activators of the pregnane-X-receptor (PXR). Toxicology, 2009, 264, 45-51.	2.0	37
41	Metabolism of the carcinogen alpha-asarone in liver microsomes. Food and Chemical Toxicology, 2016, 87, 103-112.	1.8	36
42	Hepatic effects of a highly purified 2,2â€²,3,4,4â€²,5,5â€²-heptachlorbiphenyl (PCB 180) in male and female rats. Toxicology, 2011, 284, 42-53.	2.0	34
43	Current methods in risk assessment of genotoxic chemicals. Food and Chemical Toxicology, 2017, 106, 574-582.	1.8	34
44	Tryptanthrins: A novel class of agonists of the aryl hydrocarbon receptor. Biochemical Pharmacology, 1997, 54, 165-171.	2.0	32
45	Major furocoumarins in grapefruit juice I: Levels and urinary metabolite(s). Food and Chemical Toxicology, 2011, 49, 3224-3231.	1.8	32
46	Application of the equivalency factor concept to the phototoxicity and â€“genotoxicity of furocoumarin mixtures. Food and Chemical Toxicology, 2014, 68, 257-266.	1.8	32
47	Estimates of Ethanol Exposure in Children from Food not Labeled as Alcohol-Containing. Journal of Analytical Toxicology, 2016, 40, 537-542.	1.7	32
48	CYP1A1-inducing potency in H4IIE cells and chemical composition of technical mixtures of polychlorinated biphenyls. Environmental Toxicology and Pharmacology, 1996, 1, 73-79.	2.0	28
49	Inhibition of apoptosis in rat hepatocytes treated with `non-dioxin-like' polychlorinated biphenyls. Carcinogenesis, 2001, 22, 1601-1605.	1.3	28
50	Structure-dependent hepato-cytotoxic potencies of selected pyrrolizidine alkaloids in primary rat hepatocyte culture. Food and Chemical Toxicology, 2020, 135, 110923.	1.8	28
51	In vitro metabolism of pyrrolizidine alkaloids â€“ Metabolic degradation and GSH conjugate formation of different structure types. Food and Chemical Toxicology, 2020, 135, 110868.	1.8	27
52	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, 11-19.	2.0	25
53	Toxicological Profile of Ultrapure 2,2â€²,3,4,4â€²,5,5â€²-Heptachlorbiphenyl (PCB 180) in Adult Rats. PLoS ONE, 2014, 9, e104639.	1.1	25
54	Single nucleotide polymorphism analysis and functional characterization of the human Ah receptor (AhR) gene promoter. Archives of Biochemistry and Biophysics, 2004, 421, 91-98.	1.4	24

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55	Application of the concept of relative photomutagenic potencies to selected furocoumarins in V79 cells. Toxicology in Vitro, 2010, 24, 558-566.	1.1	24
56	Comparative investigation of the mutagenicity of propenylic and allylic asarone isomers in the Ames fluctuation assay. Mutagenesis, 2016, 31, 443-451.	1.0	24
57	Aroma Characterization and Safety Assessment of a Beverage Fermented by Trametes versicolor. Journal of Agricultural and Food Chemistry, 2015, 63, 6915-6921.	2.4	23
58	Variability of the human aryl hydrocarbon receptor nuclear translocator (ARNT) gene. Journal of Human Genetics, 2002, 47, 217-224.	1.1	22
59	Estrogen receptor Î± 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.	1.6	22
60	Formation and fate of DNA adducts of alpha- and beta-asarone in rat hepatocytes. Food and Chemical Toxicology, 2018, 116, 138-146.	1.8	22
61	Characterization of the cytotoxicity of selected Chelidonium alkaloids in rat hepatocytes. Toxicology Letters, 2019, 311, 91-97.	0.4	22
62	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.	1.3	21
63	Structure-dependent genotoxic potencies of selected pyrrolizidine alkaloids in metabolically competent HepG2 cells. Archives of Toxicology, 2020, 94, 4159-4172.	1.9	20
64	Inhibition of apoptosis by 2,3,7,8-tetrachlorodibenzo-p-dioxin depends on protein biosynthesis. Cell Biology and Toxicology, 2010, 26, 391-401.	2.4	19
65	In vitro biotransformation of pyrrolizidine alkaloids in different species. PartÂI: Microsomal degradation. Archives of Toxicology, 2018, 92, 1089-1097.	1.9	19
66	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.	2.0	18
67	Metabolism of Methylisoeugenol in Liver Microsomes of Human, Rat, and Bovine Origin. Drug Metabolism and Disposition, 2011, 39, 1727-1733.	1.7	17
68	2,3,7,8-Tetrachlorodibenzo-p-dioxin suppresses apoptosis and leads to hyperphosphorylation of p53 in rat hepatocytes. Environmental Toxicology and Pharmacology, 1998, 6, 239-247.	2.0	16
69	What is the meaning of â€˜A compound is carcinogenicâ€™?. Toxicology Reports, 2018, 5, 504-511.	1.6	15
70	In vitro biotransformation of pyrrolizidine alkaloids in different species: part Iiâ€”identification and quantitative assessment of the metabolite profile of six structurally different pyrrolizidine alkaloids. Archives of Toxicology, 2020, 94, 3759-3774.	1.9	15
71	Metabolic Pattern of Hepatotoxic Pyrrolizidine Alkaloids in Liver Cells. Chemical Research in Toxicology, 2021, 34, 1101-1113.	1.7	14
72	Dietary fiber, lowâ€molecularâ€weight food constituents and coloâ€rectal inflammation in animal models â€“ A review. Molecular Nutrition and Food Research, 2009, 53, 1281-1288.	1.5	13

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73	Relative Photomutagenicity of Furocoumarins and Limettin in the Hypoxanthine Phosphoribosyl Transferase Assay in V79 Cells. Chemical Research in Toxicology, 2009, 22, 1639-1647.	1.7	13
74	Estragole: DNA adduct formation in primary rat hepatocytes and genotoxic potential in HepG2-CYP1A2 cells. Toxicology, 2020, 444, 152566.	2.0	13
75	Nodularin-triggered apoptosis and hyperphosphorylation of signaling proteins in cultured rat hepatocytes. Toxicology in Vitro, 2015, 29, 16-26.	1.1	12
76	Metabolism of carcinogenic alpha-asarone by human cytochrome P450 enzymes. Naunyn-Schmiedeberg's Archives of Pharmacology, 2020, 393, 213-223.	1.4	12
77	Tryptanthrins and Other Tryptophan-Derived Agonists of the Dioxin Receptor. Advances in Experimental Medicine and Biology, 1999, 467, 403-408.	0.8	12
78	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.	0.9	11
79	Novel Insights into Pyrrolizidine Alkaloid Toxicity and Implications for Risk Assessment: Occurrence, Genotoxicity, Toxicokinetics, Risk Assessmentâ€“A Workshop Report. Planta Medica, 2022, 88, 98-117.	0.7	11
80	Acrylamide-derived DNA adducts in human peripheral blood mononuclear cell DNA: Correlation with body mass. Food and Chemical Toxicology, 2021, 157, 112575.	1.8	10
81	Effects ofLeuzea carthamoideson Human Breast Adenocarcinoma MCF-7 Cells Determined by Gene Expression Profiling and Functional Assays. Planta Medica, 2008, 74, 1701-1708.	0.7	9
82	Species-specific activation of nuclear receptors correlates with the response of liver drug metabolizing enzymes to EMD 392949 in vitro. Toxicology Letters, 2010, 193, 120-123.	0.4	8
83	Endocrine, metabolic and apical effects of in utero and lactational exposure to non-dioxin-like 2,2â€²,3,4,4â€²,5,5â€²-heptachlorobiphenyl (PCB 180): A postnatal follow-up study in rats. Reproductive Toxicology, 2021, 102, 109-127.	1.3	8
84	Dioxins and Polychlorinated Biphenyls in Foods. , 2017, , 69-89.		6
85	Undesired Plant-Derived Components in Food. , 2017, , 379-424.		6
86	The mutagenic potency of onion juice vs. its contents of quercetin and rutin. Food and Chemical Toxicology, 2021, 148, 111923.	1.8	6
87	Genomic structure of the human Ah receptor nuclear translocator gene (hARNT). Human Genetics, 2000, 107, 397-399.	1.8	4
88	An integrated approach to the safety assessment of food additives in early life. Toxicology Research and Application, 2017, 1, 239784731770737.	0.7	4
89	Toxicology of pyrrolizidine alkaloids. Food and Chemical Toxicology, 2020, 135, 110938.	1.8	4
90	Crystal structure of glycidamide: the mutagenic and genotoxic metabolite of acrylamide. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1179-1182.	0.2	4

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91	2,3,7,8-Tetrafluorodibenzo-p-dioxin: a potent agonist of the murine dioxin receptor. Environmental Toxicology and Pharmacology, 1997, 3, 105-113.	2.0	3
92	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.	0.4	3
93	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.	1.9	3
94	A Benchmark analysis of acrylamide-derived DNA adducts in rat hepatocytes in culture measured by a new, highly sensitive method. Toxicology, 2021, 464, 153022.	2.0	3
95	Do PCDD/PCDF standard solutions used in dioxin analysis pose a risk as potentially acutely toxic to lab personnel?. Chemosphere, 2017, 185, 489-498.	4.2	1
96	ToxizitÃt der Dioxine. Ultragifte oder Panikmache?. Biologie in Unserer Zeit, 2011, 41, 174-180.	0.3	0
97	Suppression of apoptotic signaling in rat hepatocytes by non-dioxin-like polychlorinated biphenyls depends on the receptors CAR and PXR. Toxicology, 2021, 464, 153023.	2.0	0