Bernhard H Monien

List of Publications by Year
in descending order

32	825	567281 15	501196 28
papers	citations	h-index	g-index

34	34	34	791
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mode of action-based risk assessment of genotoxic carcinogens. Archives of Toxicology, 2020, 94, 1787-1877.	4.2	99
2	Conversion of the Common Food Constituent 5-Hydroxymethylfurfural into a Mutagenic and Carcinogenic Sulfuric Acid Ester in the Mouse in Vivo. Chemical Research in Toxicology, 2009, 22, 1123-1128.	3.3	85
3	Mutagenicity of 5-Hydroxymethylfurfural in V79 Cells Expressing Human SULT1A1: Identification and Mass Spectrometric Quantification of DNA Adducts Formed. Chemical Research in Toxicology, 2012, 25, 1484-1492.	3.3	65
4	Renal organic anion transporters OAT1 and OAT3 mediate the cellular accumulation of 5-sulfooxymethylfurfural, a reactive, nephrotoxic metabolite of the Maillard product 5-hydroxymethylfurfural. Biochemical Pharmacology, 2009, 78, 414-419.	4.4	59
5	Simultaneous Detection of Multiple DNA Adducts in Human Lung Samples by Isotope-Dilution UPLC-MS/MS. Analytical Chemistry, 2015, 87, 641-648.	6.5	59
6	Hydroxymethyl-substituted furans: mutagenicity in Salmonella typhimurium strains engineered for expression of various human and rodent sulphotransferases. Mutagenesis, 2012, 27, 41-48.	2.6	51
7	Metabolic activation of furfuryl alcohol: formation of 2-methylfuranyl DNA adducts in Salmonella typhimurium strains expressing human sulfotransferase 1A1 and in FVB/N mice. Carcinogenesis, 2011, 32, 1533-1539.	2.8	45
8	Bioactivation of food genotoxicants 5-hydroxymethylfurfural and furfuryl alcohol by sulfotransferases from human, mouse and rat: a comparative study. Archives of Toxicology, 2016, 90, 137-148.	4.2	37
9	Time Course of Hepatic 1-Methylpyrene DNA Adducts in Rats Determined by Isotope Dilution LC-MS/MS and ³²P-Postlabeling. Chemical Research in Toxicology, 2008, 21, 2017-2025.	3.3	36
10	Determination of Sulfotransferase Forms Involved in the Metabolic Activation of the Genotoxicant 1-Hydroxymethylpyrene Using Bacterially Expressed Enzymes and Genetically Modified Mouse Models. Chemical Research in Toxicology, 2014, 27, 1060-1069.	3.3	34
11	Probenecid, an inhibitor of transmembrane organic anion transporters, alters tissue distribution of DNA adducts in 1-hydroxymethylpyrene-treated rats. Toxicology, 2009, 262, 80-85.	4.2	26
12	The carcinogen 1-methylpyrene forms benzylic DNA adducts in mouse and rat tissues in vivo via a reactive sulphuric acid ester. Archives of Toxicology, 2014, 88, 815-21.	4.2	23
13	The effect of knockout of sulfotransferases 1a1 and 1d1 and of transgenic human sulfotransferases 1A1/1A2 on the formation of DNA adducts from furfuryl alcohol in mouse models. Carcinogenesis, 2014, 35, 2339-2345.	2.8	23
14	The hemoglobin adduct N-(2,3-dihydroxypropyl)-valine as biomarker of dietary exposure to glycidyl esters: a controlled exposure study in humans. Archives of Toxicology, 2019, 93, 331-340.	4.2	22
15	Alkenylbenzenes in Foods: Aspects Impeding the Evaluation of Adverse Health Effects. Foods, 2021, 10, 2139.	4.3	19
16	Identification and Quantification of Protein Adducts Formed by Metabolites of 1-Methoxy-3-indolylmethyl Glucosinolate in Vitro and in Mouse Models. Chemical Research in Toxicology, 2014, 27, 188-199.	3.3	14
17	An isotope-dilution UPLCâ€“MS/MS technique for the human biomonitoring of the internal exposure to glycidol via a valine adduct at the N-terminus of hemoglobin. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1059, 7-13.	2.3	14
18	Mass Spectrometric DNA Adduct Quantification by Multiple Reaction Monitoring and Its Future Use for the Molecular Epidemiology of Cancer. Advances in Experimental Medicine and Biology, 2014, 806, 383-397.	1.6	13

#	Article	IF	Citations
19	Urinary Excretion of 2/3â€Monochloropropanediol (2/3â€MCPD) and 2,3â€Dihydroxypropylmercapturic Acid (DHPMA) after a Single High dose of Fatty Acid Esters of 2/3â€MCPD and Glycidol: A Controlled Exposure Study in Humans. Molecular Nutrition and Food Research, 2021, 65, e2000735.	3.3	11
20	Bioactivation of estragole and anethole leads to common adducts in DNA and hemoglobin. Food and Chemical Toxicology, 2021, 153, 112253.	3.6	11
21	Hemoglobin adducts of furfuryl alcohol in genetically modified mouse models: Role of endogenous sulfotransferases 1a1 and 1d1 and transgenic human sulfotransferases 1A1/1A2. Toxicology Letters, 2018, 295, 173-178.	0.8	10
22	Detection of N-Acetyl-S-[3â€²-(4-methoxyphenyl)allyl]-l-Cys (AMPAC) in Human Urine Samples after Controlled Exposure to Fennel Tea: A New Metabolite of Estragole and trans-Anethole. Chemical Research in Toxicology, 2019, 32, 2260-2267.	3.3	10
23	Ethanol and 4-methylpyrazole increase DNA adduct formation of furfuryl alcohol in FVB/N wild-type mice and in mice expressing human sulfotransferases 1A1/1A2. Carcinogenesis, 2016, 37, 314-319.	2.8	8
24	A hemoglobin adduct as a biomarker for the internal exposure to the rodent carcinogen furfuryl alcohol. Archives of Toxicology, 2017, 91, 3843-3855.	4.2	8
25	Metabolites of 2â€•and 3â€Monochloropropanediol (2â€•and 3â€MCPD) in Humans: Urinary Excretion of 2â€Chlorohydracrylic Acid and 3â€Chlorolactic Acid after Controlled Exposure to a Single High Dose of Fatty Acid Esters of 2â€•and 3â€MCPD. Molecular Nutrition and Food Research, 2021, 65, e2000736.	3.3	8
26	Metabolism and excretion of 1-hydroxymethylpyrene, the proximate metabolite of the carcinogen 1-methylpyrene, in rats. Toxicology, 2016, 366-367, 43-52.	4.2	7
27	Conversion of Suspected Food Carcinogen 5-Hydroxymethylfurfural by Sulfotransferases and Aldehyde Dehydrogenases in Postmitochondrial Tissue Preparations of Humans, Mice, and Rats. Toxicological Sciences, 2016, 149, 192-201.	3.1	7
28	Levels of the hemoglobin adduct N-(2,3-Dihydroxypropyl)-valine in cord and maternal blood: Prenatal transfer of glycidol in the ENVIRONAGE birth cohort. Toxicology Letters, 2020, 332, 82-87.	0.8	6
29	Mass Spectrometric DNA Adduct Quantification by Multiple Reaction Monitoring and Its Future Use for theÂMolecular Epidemiology of Cancer. Advances in Experimental Medicine and Biology, 2019, 1140, 743-751.	1.6	5
30	Detection of a Hemoglobin Adduct ofÂthe Food ContaminantÂFurfuryl Alcohol in Humans: Levels ofÂNâ€(Furanâ€2â€yl)methyl)â€valine in Two EpidemiologicalÂStudies. Molecular Nutrition and Food Research, 2021, 65, e2100584.	3.3	5
31	Levels of 2,3-dihydroxypropyl mercapturic acid (DHPMA) in human urine do not reflect the exposure to 3-chloro-1,2-propanediol (3-MCPD) or glycidol. Environmental Research, 2022, 211, 112977.	7.5	4
32	Simultaneous quantification of eight hemoglobin adducts of genotoxic substances by isotope-dilution UHPLC-MS/MS. Analytical and Bioanalytical Chemistry, 0, , .	3.7	0