

Bernhard H Monien

List of Publications by Year in descending order

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32
papers

825
citations

567281

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501196

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34
all docs

34
docs citations

34
times ranked

791
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Environmental Research</i> , 2022, 211, 112977.	7.5	4
2	Metabolites of 2- and 3-Monochloropropanediol (2- and 3-MCPD) in Humans: Urinary Excretion of 2-Chlorohydracrylic Acid and 3-Chlorolactic Acid after Controlled Exposure to a Single High Dose of Fatty Acid Esters of 2- and 3-MCPD. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000736.	3.3	8
3	Urinary Excretion of 2/3-Monochloropropanediol (2/3-MCPD) and 2,3-Dihydroxypropylmercapturic Acid (DHPMA) after a Single High dose of Fatty Acid Esters of 2/3-MCPD and Glycidol: A Controlled Exposure Study in Humans. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000735.	3.3	11
4	Bioactivation of estragole and anethole leads to common adducts in DNA and hemoglobin. <i>Food and Chemical Toxicology</i> , 2021, 153, 112253.	3.6	11
5	Alkenylbenzenes in Foods: Aspects Impeding the Evaluation of Adverse Health Effects. <i>Foods</i> , 2021, 10, 2139.	4.3	19
6	Detection of a Hemoglobin Adduct of the Food Contaminant Furfuryl Alcohol in Humans: Levels of N-(2-Furylmethyl)-valine in Two Epidemiological Studies. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100584.	3.3	5
7	Levels of the hemoglobin adduct N-(2,3-Dihydroxypropyl)-valine in cord and maternal blood: Prenatal transfer of glycidol in the ENVIRONAGE birth cohort. <i>Toxicology Letters</i> , 2020, 332, 82-87.	0.8	6
8	Mode of action-based risk assessment of genotoxic carcinogens. <i>Archives of Toxicology</i> , 2020, 94, 1787-1877.	4.2	99
9	Mass Spectrometric DNA Adduct Quantification by Multiple Reaction Monitoring and Its Future Use for the Molecular Epidemiology of Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1140, 743-751.	1.6	5
10	Detection of N-Acetyl-S-[3-(4-methoxyphenyl)allyl]-l-Cys (AMPAC) in Human Urine Samples after Controlled Exposure to Fennel Tea: A New Metabolite of Estragole and trans-Anethole. <i>Chemical Research in Toxicology</i> , 2019, 32, 2260-2267.	3.3	10
11	The hemoglobin adduct N-(2,3-dihydroxypropyl)-valine as biomarker of dietary exposure to glycidyl esters: a controlled exposure study in humans. <i>Archives of Toxicology</i> , 2019, 93, 331-340.	4.2	22
12	Hemoglobin adducts of furfuryl alcohol in genetically modified mouse models: Role of endogenous sulfotransferases 1a1 and 1d1 and transgenic human sulfotransferases 1A1/1A2. <i>Toxicology Letters</i> , 2018, 295, 173-178.	0.8	10
13	An isotope-dilution UPLC-MS/MS technique for the human biomonitoring of the internal exposure to glycidol via a valine adduct at the N-terminus of hemoglobin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1059, 7-13.	2.3	14
14	A hemoglobin adduct as a biomarker for the internal exposure to the rodent carcinogen furfuryl alcohol. <i>Archives of Toxicology</i> , 2017, 91, 3843-3855.	4.2	8
15	Metabolism and excretion of 1-hydroxymethylpyrene, the proximate metabolite of the carcinogen 1-methylpyrene, in rats. <i>Toxicology</i> , 2016, 366-367, 43-52.	4.2	7
16	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. <i>Carcinogenesis</i> , 2016, 37, 314-319.	2.8	8
17	Conversion of Suspected Food Carcinogen 5-Hydroxymethylfurfural by Sulfotransferases and Aldehyde Dehydrogenases in Postmitochondrial Tissue Preparations of Humans, Mice, and Rats. <i>Toxicological Sciences</i> , 2016, 149, 192-201.	3.1	7
18	Bioactivation of food genotoxicants 5-hydroxymethylfurfural and furfuryl alcohol by sulfotransferases from human, mouse and rat: a comparative study. <i>Archives of Toxicology</i> , 2016, 90, 137-148.	4.2	37

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19	Simultaneous Detection of Multiple DNA Adducts in Human Lung Samples by Isotope-Dilution UPLC-MS/MS. <i>Analytical Chemistry</i> , 2015, 87, 641-648.	6.5	59
20	The carcinogen 1-methylpyrene forms benzylic DNA adducts in mouse and rat tissues in vivo via a reactive sulphuric acid ester. <i>Archives of Toxicology</i> , 2014, 88, 815-21.	4.2	23
21	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. <i>Carcinogenesis</i> , 2014, 35, 2339-2345.	2.8	23
22	Determination of Sulfotransferase Forms Involved in the Metabolic Activation of the Genotoxicant 1-Hydroxymethylpyrene Using Bacterially Expressed Enzymes and Genetically Modified Mouse Models. <i>Chemical Research in Toxicology</i> , 2014, 27, 1060-1069.	3.3	34
23	Identification and Quantification of Protein Adducts Formed by Metabolites of 1-Methoxy-3-indolylmethyl Glucosinolate <i>in Vitro</i> and in Mouse Models. <i>Chemical Research in Toxicology</i> , 2014, 27, 188-199.	3.3	14
24	Mass Spectrometric DNA Adduct Quantification by Multiple Reaction Monitoring and Its Future Use for the Molecular Epidemiology of Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2014, 806, 383-397.	1.6	13
25	Hydroxymethyl-substituted furans: mutagenicity in <i>Salmonella typhimurium</i> strains engineered for expression of various human and rodent sulphotransferases. <i>Mutagenesis</i> , 2012, 27, 41-48.	2.6	51
26	Mutagenicity of 5-Hydroxymethylfurfural in V79 Cells Expressing Human SULT1A1: Identification and Mass Spectrometric Quantification of DNA Adducts Formed. <i>Chemical Research in Toxicology</i> , 2012, 25, 1484-1492.	3.3	65
27	Metabolic activation of furfuryl alcohol: formation of 2-methylfuranyl DNA adducts in <i>Salmonella typhimurium</i> strains expressing human sulfotransferase 1A1 and in FVB/N mice. <i>Carcinogenesis</i> , 2011, 32, 1533-1539.	2.8	45
28	Renal organic anion transporters OAT1 and OAT3 mediate the cellular accumulation of 5-sulfoxymethylfurfural, a reactive, nephrotoxic metabolite of the Maillard product 5-hydroxymethylfurfural. <i>Biochemical Pharmacology</i> , 2009, 78, 414-419.	4.4	59
29	Probenecid, an inhibitor of transmembrane organic anion transporters, alters tissue distribution of DNA adducts in 1-hydroxymethylpyrene-treated rats. <i>Toxicology</i> , 2009, 262, 80-85.	4.2	26
30	Conversion of the Common Food Constituent 5-Hydroxymethylfurfural into a Mutagenic and Carcinogenic Sulfuric Acid Ester in the Mouse in Vivo. <i>Chemical Research in Toxicology</i> , 2009, 22, 1123-1128.	3.3	85
31	Time Course of Hepatic 1-Methylpyrene DNA Adducts in Rats Determined by Isotope Dilution LC-MS/MS and ³² P-Postlabeling. <i>Chemical Research in Toxicology</i> , 2008, 21, 2017-2025.	3.3	36
32	Simultaneous quantification of eight hemoglobin adducts of genotoxic substances by isotope-dilution UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 0, , .	3.7	0