

Igor Linhart

List of Publications by Year in descending order

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488
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759233

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#	ARTICLE	IF	CITATIONS
1	Syntheses of methylcarbamoylated amino acids using synthetic equivalents of methyl isocyanate. <i>Synthetic Communications</i> , 2022, 52, 622-628.	2.1	0
2	HPLC-ESI-HRMS2 Determination of N-(2-hydroxyethyl)-L-valyl-L-leucine in Human Urine: Method Validation. <i>Journal of Analytical Toxicology</i> , 2022, , .	2.8	0
3	Novel aminoaryl cysteine adducts in globin of rats dosed with naphthylamine and nitronaphthalene isomers. <i>Archives of Toxicology</i> , 2021, 95, 79-89.	4.2	3
4	Carcinogenicity of acrolein, crotonaldehyde, and arecoline. <i>Lancet Oncology</i> , The, 2021, 22, 19-20.	10.7	60
5	N-(2-Hydroxyethyl)-l-valyl-l-leucine: a novel urinary biomarker of ethylene oxide exposure in humans. <i>Toxicology Letters</i> , 2020, 326, 18-22.	0.8	3
6	N-(2-Hydroxyethyl)-l-valyl-l-leucine in rat urine as a hydrolytic cleavage product of ethylene oxide adduct with globin. <i>Archives of Toxicology</i> , 2019, 93, 603-613.	4.2	4
7	Identification of three new phase II metabolites of a designer drug methylone formed in rats by N-demethylation followed by conjugation with dicarboxylic acids. <i>Xenobiotica</i> , 2018, 48, 618-625.	1.1	5
8	Determination of N-(2-hydroxyethyl)valine in globin of ethylene oxide-exposed workers using total acidic hydrolysis and HPLC-ESI-MS2. <i>Toxicology Letters</i> , 2018, 298, 76-80.	0.8	7
9	S-(3-Aminobenzanthron-2-yl)cysteine in the globin of rats as a novel type of adduct and possible biomarker of exposure to 3-nitrobenzanthrone, a potent environmental carcinogen. <i>Archives of Toxicology</i> , 2017, 91, 3317-3325.	4.2	4
10	Study on the metabolism of 5,6-methylenedioxy-2-aminoindane (MDAI) in rats: identification of urinary metabolites. <i>Xenobiotica</i> , 2017, 47, 505-514.	1.1	4
11	Biological fate of styrene oxide adducts with globin: Elimination of cleavage products in the rat urine. <i>Toxicology Letters</i> , 2016, 261, 26-31.	0.8	5
12	Radical and Nitrenoid Reactivity of 3-Halo-3-phenyldiazirines. <i>Organic Letters</i> , 2016, 18, 3734-3737.	4.6	8
13	Metabolic profile of mephedrone: Identification of nor-mephedrone conjugates with dicarboxylic acids as a new type of xenobiotic phase II metabolites. <i>Toxicology Letters</i> , 2016, 240, 114-121.	0.8	21
14	Hydrolytic Cleavage Products of Globin Adducts in Urine as Possible Biomarkers of Cumulative Dose: Proof of Concept Using Styrene Oxide as a Model Adduct-Forming Compound. <i>Chemical Research in Toxicology</i> , 2016, 29, 676-686.	3.3	11
15	Preparation of cysteine adducts by regioselective ring-opening reactions of phenyloxirane. <i>Heterocyclic Communications</i> , 2015, 21, 61-65.	1.2	2
16	Identification of New DNA Adducts of Phenylnitrenium. <i>Chemical Research in Toxicology</i> , 2015, 28, 1317-1325.	3.3	3
17	Direct Arylation of Adenine by Fluoro- and Chloronitrobenzenes: Effect of Microwaves. <i>Synthetic Communications</i> , 2014, 44, 788-799.	2.1	3
18	Degradation products of globin adducts in the urine of rats exposed to ethylene oxide. <i>Toxicology Letters</i> , 2014, 229, S220.	0.8	0

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19	N-methylcarbamoyl amino acids in the urine of rats exposed to N,N-dimethylformamide and N-methylformamide. <i>Toxicology Letters</i> , 2014, 229, S220-S221.	0.8	1
20	3-(3,4-Dihydroxyphenyl)adenine, a urinary DNA adduct formed in mice exposed to high concentrations of benzene. <i>Journal of Applied Toxicology</i> , 2013, 33, 516-520.	2.8	6
21	Nitrenic reactivity of diazirines. <i>Tetrahedron Letters</i> , 2013, 54, 6764-6767.	1.4	3
22	Reactions of benzene oxide, a reactive metabolite of benzene, with model nucleophiles and DNA. <i>Xenobiotica</i> , 2012, 42, 1028-1037.	1.1	7
23	Carcinogenic 3-nitrobenzanthrone but not 2-nitrobenzanthrone is metabolised to an unusual mercapturic acid in rats. <i>Toxicology Letters</i> , 2012, 208, 246-253.	0.8	7
24	Vinylphenylmercapturic acids in human urine as biomarkers of styrene ring oxidation. <i>Toxicology Letters</i> , 2012, 213, 260-265.	0.8	7
25	Metabolism of N2-(4-hydroxyphenyl)guanine, a DNA adduct formed from p-benzoquinone, in rat. <i>Toxicology Letters</i> , 2011, 205, 273-278.	0.8	2
26	DNA Adducts Formed from p-Benzoquinone, an Electrophilic Metabolite of Benzene, Are Extensively Metabolized in Vivo. <i>Chemical Research in Toxicology</i> , 2011, 24, 383-391.	3.3	15
27	New Urinary Metabolites Formed from Ring-Oxidized Metabolic Intermediates of Styrene. <i>Chemical Research in Toxicology</i> , 2010, 23, 251-257.	3.3	10
28	Urinary N3 adenine DNA adducts in humans occupationally exposed to styrene. <i>Toxicology Letters</i> , 2010, 197, 183-187.	0.8	4
29	Preparation of Arylmercapturic Acids by N-Arylation of N ² -Acetylcysteine. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 6336-6340.	2.4	19
30	Excretion of urinary N7 guanine and N3 adenine DNA adducts in mice after inhalation of styrene. <i>Toxicology Letters</i> , 2009, 184, 33-37.	0.8	6
31	Copper-Mediated N-Arylation in the Synthesis of Aryladenines. <i>Heterocycles</i> , 2009, 78, 1205.	0.7	7
32	Synthesis of 3-(2-Hydroxy-1-phenylethyl)- and 3-(2-Hydroxy-2-phenylethyl)adenine, DNA adducts derived from styrene. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 789-795.	2.8	8
33	Synthesis and Characterization of Styrene Oxide Adducts with Cysteine, Histidine, and Lysine in Human Globin. <i>Chemical Research in Toxicology</i> , 2007, 20, 1442-1452.	3.3	16
34	7-Alkylguanine adduct levels in urine, lungs and liver of mice exposed to styrene by inhalation. <i>Toxicology and Applied Pharmacology</i> , 2006, 210, 1-8.	2.8	13
35	Syntheses of O6-Alkyl- and Arylguanine Derivatives: Nucleobase Adducts Derived from Styrene 7,8- and 3,4-Oxides. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 507-515.	2.4	5
36	Syntheses of 7-(2-Hydroxy-1-phenylethyl)- and 7-(2-Hydroxy-2-phenylethyl)guanine, DNA Adducts Derived from Styrene 7,8-Oxide. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2738-2746.	2.4	8

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37	Synthesis of 7-Hydroxy(phenyl)ethylguanines by Alkylation of 2-Amino-6-chloropurine with Allyl-Protected Bromohydrins. <i>Organic Letters</i> , 2003, 5, 637-639.	4.6	11
38	Improved gas chromatographic-mass spectrometric determination of the N-methylcarbamoyl adduct at the N-terminal valine of globin, a metabolic product of the solvent N,N-dimethylformamide. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 778, 357-365.	2.3	19
39	Stereochemistry of styrene biotransformation*. <i>Drug Metabolism Reviews</i> , 2001, 33, 353-367.	3.6	7
40	Biotransformation of Styrene in Mice. Stereochemical Aspects. <i>Chemical Research in Toxicology</i> , 2000, 13, 36-44.	3.3	20
41	Stereochemical aspects of styrene biotransformation. <i>Toxicology Letters</i> , 1998, 94, 127-135.	0.8	18
42	The evidence for conjugated mandelic and phenylglyoxylic acids in the urine of rats dosed with styrene. <i>Toxicology Letters</i> , 1997, 90, 199-205.	0.8	3
43	Metabolic pathways of 1-butyl [3-13C]acrylate. Identification of urinary metabolites in rat using nuclear magnetic resonance and mass spectroscopy. <i>Chemical Research in Toxicology</i> , 1994, 7, 1-8.	3.3	4
44	Exposure to various benzene derivatives differently induces cytochromes P450 2B1 and P450 2E1 in rat liver. <i>Archives of Toxicology</i> , 1993, 67, 237-243.	4.2	47
45	Biotransformation of diethenylbenzenes. <i>Biomedical Applications</i> , 1992, 578, 215-221.	1.7	1
46	Investigation of the chemical basis of nitroalkane toxicity: Tautomerism and decomposition of propane 1- and 2-nitronate under physiological conditions. <i>Chemico-Biological Interactions</i> , 1991, 80, 187-201.	4.0	15
47	Oxidative denitrification of 2-nitropropane and propane-2-nitronate by mouse liver microsomes: Lack of correlation with hepatocytotoxic potential. <i>Chemico-Biological Interactions</i> , 1991, 79, 103-114.	4.0	13
48	Biotransformation of diethenylbenzenes. <i>Biomedical Applications</i> , 1990, 530, 283-294.	1.7	3
49	The reaction of alkylnitronates with glutathione. <i>Chemical Research in Toxicology</i> , 1990, 3, 27-32.	3.3	1
50	N-acetyl-S-(1-cyano-2-hydroxyethyl)-l-cysteine, a new urinary metabolite of acrylonitrile and oxiranecarbonitrile. <i>Archives of Toxicology</i> , 1988, 61, 484-488.	4.2	13
51	Changes in the excretion of endogenous glycine conjugate as a possible artifact in toxicological experiments. <i>Archives of Toxicology</i> , 1987, 61, 83-85.	4.2	5
52	Darstellung von reinem 1,4-Divinylbenzen. <i>Zeitschrift für Chemie</i> , 1986, 26, 397-398.	0.0	5
53	Addition of primary alcohols to 3-chlorononafluoro-1,5-hexadiene and perfluoro-1,3,5-hexatriene. <i>Collection of Czechoslovak Chemical Communications</i> , 1985, 50, 1714-1726.	1.0	6
54	Reaction of 3-chlorononafluoro-1,5-hexadiene with diethylamine. <i>Collection of Czechoslovak Chemical Communications</i> , 1985, 50, 1727-1736.	1.0	2

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55	Reaction of 3-chlorononafluoro-1,5-hexadiene with sodium cyanide. Collection of Czechoslovak Chemical Communications, 1985, 50, 1737-1744.	1.0	1
56	Reaction of oxiranecarbonitrile with L-cysteine methyl ester. Tetrahedron Letters, 1984, 25, 4295-4298.	1.4	7