

# Igor Linhart

## List of Publications by Year in descending order

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56  
papers

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citations

759233

12  
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62  
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62  
docs citations

62  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Carcinogenicity of acrolein, crotonaldehyde, and arecoline. <i>Lancet Oncology</i> , The, 2021, 22, 19-20.	10.7	60
2	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
3	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
4	Biotransformation of Styrene in Mice. Stereochemical Aspects. <i>Chemical Research in Toxicology</i> , 2000, 13, 36-44.	3.3	20
5	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
6	Preparation of Arylmercapturic Acids by <i>S</i> -Arylation of <i>N</i> , <i>N</i> -Diacetylcysteine. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 6336-6340.	2.4	19
7	Stereochemical aspects of styrene biotransformation. <i>Toxicology Letters</i> , 1998, 94, 127-135.	0.8	18
8	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
9	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
10	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
11	N-ccetyl-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
12	Oxidative denitration 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
13	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
14	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
15	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
16	New Urinary Metabolites Formed from Ring-Oxidized Metabolic Intermediates of Styrene. <i>Chemical Research in Toxicology</i> , 2010, 23, 251-257.	3.3	10
17	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
18	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.	2.6	8

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19	Radical and Nitrenoid Reactivity of 3-Halo-3-phenyldiazirines. <i>Organic Letters</i> , 2016, 18, 3734-3737.	4.6	8
20	Reaction of oxiranecarbonitrile with L-cysteine methyl ester. <i>Tetrahedron Letters</i> , 1984, 25, 4295-4298.	1.4	7
21	Stereochemistry of styrene biotransformation*. <i>Drug Metabolism Reviews</i> , 2001, 33, 353-367.	3.6	7
22	Copper-Mediated N-Arylation in the Synthesis of Aryladenines. <i>Heterocycles</i> , 2009, 78, 1205.	0.7	7
23	Reactions of benzene oxide, a reactive metabolite of benzene, with model nucleophiles and DNA. <i>Xenobiotica</i> , 2012, 42, 1028-1037.	1.1	7
24	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
25	Vinylphenylmercapturic acids in human urine as biomarkers of styrene ring oxidation. <i>Toxicology Letters</i> , 2012, 213, 260-265.	0.8	7
26	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
27	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
28	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
29	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
30	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
31	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
32	Darstellung von reinem 1,4-Divinylbenzen. <i>Zeitschrift für Chemie</i> , 1986, 26, 397-398.	0.0	5
33	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
34	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
35	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
36	Urinary N3 adenine DNA adducts in humans occupationally exposed to styrene. <i>Toxicology Letters</i> , 2010, 197, 183-187.	0.8	4

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37	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. Archives of Toxicology, 2017, 91, 3317-3325.	4.2	4
38	Study on the metabolism of 5,6-methylenedioxy-2-aminoindane (MDAI) in rats: identification of urinary metabolites. Xenobiotica, 2017, 47, 505-514.	1.1	4
39	N-(2-Hydroxyethyl)-l-valyl-l-leucine in rat urine as a hydrolytic cleavage product of ethylene oxide adduct with globin. Archives of Toxicology, 2019, 93, 603-613.	4.2	4
40	Biotransformation of diethenylbenzenes. Biomedical Applications, 1990, 530, 283-294.	1.7	3
41	The evidence for conjugated mandelic and phenylglyoxylic acids in the urine of rats dosed with styrene. Toxicology Letters, 1997, 90, 199-205.	0.8	3
42	Nitrenic reactivity of diazirines. Tetrahedron Letters, 2013, 54, 6764-6767.	1.4	3
43	Direct Arylation of Adenine by Fluoro- and Chloronitrobenzenes: Effect of Microwaves. Synthetic Communications, 2014, 44, 788-799.	2.1	3
44	Identification of New DNA Adducts of Phenylnitrenium. Chemical Research in Toxicology, 2015, 28, 1317-1325.	3.3	3
45	N-(2-Hydroxyethyl)-l-valyl-l-leucine: a novel urinary biomarker of ethylene oxide exposure in humans. Toxicology Letters, 2020, 326, 18-22.	0.8	3
46	Novel aminoarylcysteine adducts in globin of rats dosed with naphthylamine and nitronaphthalene isomers. Archives of Toxicology, 2021, 95, 79-89.	4.2	3
47	Metabolism of N2-(4-hydroxyphenyl)guanine, a DNA adduct formed from p-benzoquinone, in rat. Toxicology Letters, 2011, 205, 273-278.	0.8	2
48	Preparation of cysteine adducts by regioselective ring-opening reactions of phenyloxirane. Heterocyclic Communications, 2015, 21, 61-65.	1.2	2
49	Reaction of 3-chlorononafluoro-1,5-hexadiene with diethylamine. Collection of Czechoslovak Chemical Communications, 1985, 50, 1727-1736.	1.0	2
50	The reaction of alkylnitronates with glutathione. Chemical Research in Toxicology, 1990, 3, 27-32.	3.3	1
51	Biotransformation of diethenylbenzenes. Biomedical Applications, 1992, 578, 215-221.	1.7	1
52	N-methylcarbamoyl amino acids in the urine of rats exposed to N,N-dimethylformamide and N-methylformamide. Toxicology Letters, 2014, 229, S220-S221.	0.8	1
53	Reaction of 3-chlorononafluoro-1,5-hexadiene with sodium cyanide. Collection of Czechoslovak Chemical Communications, 1985, 50, 1737-1744.	1.0	1
54	Degradation products of globin adducts in the urine of rats exposed to ethylene oxide. Toxicology Letters, 2014, 229, S220.	0.8	0

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55	Syntheses of methylcarbamoylated amino acids using synthetic equivalents of methyl isocyanate. <i>Synthetic Communications</i> , 2022, 52, 622-628.	2.1	0
56	HPLC-ESI-HRMS2 Determination of <i>N</i> -(2-hydroxyethyl)-L-valyl-L-leucine in Human Urine: Method Validation. <i>Journal of Analytical Toxicology</i> , 2022, , .	2.8	0