

Lisa A Peterson

List of Publications by Year in descending order

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68
papers

2,787
citations

147801

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182427

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68
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docs citations

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#	ARTICLE	IF	CITATIONS
1	Coexposure to Inhaled Aldehydes or Carbon Dioxide Enhances the Carcinogenic Properties of the Tobacco-Specific Nitrosamine 4-Methylnitrosamino-1-(3-pyridyl)-1-butanone in the A/J Mouse Lung. <i>Chemical Research in Toxicology</i> , 2021, 34, 723-732.	3.3	7
2	Human Health Exposure Analysis Resource (HHEAR): A model for incorporating the exposome into health studies. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 235, 113768.	4.3	13
3	Effects of <i>GSTT1</i> Genotype on the Detoxification of 1,3-Butadiene Derived Diepoxide and Formation of Promutagenic DNA-DNA Cross-Links in Human Hapmap Cell Lines. <i>Chemical Research in Toxicology</i> , 2021, 34, 119-131.	3.3	10
4	Urinary metabolites of furan in waterpipe tobacco smokers compared to non-smokers in home settings in the US. <i>Toxicology Letters</i> , 2020, 333, 202-210.	0.8	6
5	Applying Tobacco, Environmental, and Dietary-Related Biomarkers to Understand Cancer Etiology and Evaluate Prevention Strategies. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 1904-1919.	2.5	4
6	Interindividual Differences in DNA Adduct Formation and Detoxification of 1,3-Butadiene-Derived Epoxide in Human HapMap Cell Lines. <i>Chemical Research in Toxicology</i> , 2020, 33, 1698-1708.	3.3	10
7	Prenatal stress enhances NNK-induced lung tumors in A/J mice. <i>Carcinogenesis</i> , 2020, 41, 1713-1723.	2.8	4
8	Inhaled Furan Selectively Damages Club Cells in Lungs of A/J Mice. <i>Toxicologic Pathology</i> , 2019, 47, 842-850.	1.8	12
9	Individual Differences in the Response of Human I^2 -Lymphoblastoid Cells to the Cytotoxic, Mutagenic, and DNA-Damaging Effects of a DNA Methylating Agent, N-Methylnitrosourethane. <i>Chemical Research in Toxicology</i> , 2019, 32, 2214-2226.	3.3	1
10	Tobacco biomarkers and genetic/epigenetic analysis to investigate ethnic/racial differences in lung cancer risk among smokers. <i>Npj Precision Oncology</i> , 2018, 2, 17.	5.4	38
11	Context Matters: Contribution of Specific DNA Adducts to the Genotoxic Properties of the Tobacco-Specific Nitrosamine NNK. <i>Chemical Research in Toxicology</i> , 2017, 30, 420-433.	3.3	40
12	Tobacco, e-cigarettes, and child health. <i>Current Opinion in Pediatrics</i> , 2017, 29, 225-230.	2.0	57
13	Abundant Rodent Furan-Derived Urinary Metabolites Are Associated with Tobacco Smoke Exposure in Humans. <i>Chemical Research in Toxicology</i> , 2015, 28, 1508-1516.	3.3	26
14	Comparative Metabolism of Furan in Rodent and Human Cryopreserved Hepatocytes. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1132-1136.	3.3	19
15	Covalent Modification of Cytochrome <i>c</i> by Reactive Metabolites of Furan. <i>Chemical Research in Toxicology</i> , 2014, 27, 129-135.	3.3	38
16	Dihydropyridine from kava blocks tobacco carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis and differentially reduces DNA damage in A/J mice. <i>Carcinogenesis</i> , 2014, 35, 2365-2372.	2.8	35
17	Mutagenicity of furan in female Big Blue B6C3F1 mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 770, 46-54.	1.7	26
18	Reactive Metabolites in the Biotransformation of Molecules Containing a Furan Ring. <i>Chemical Research in Toxicology</i> , 2013, 26, 6-25.	3.3	167

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19	Role of Aldehydes in the Toxic and Mutagenic Effects of Nitrosamines. <i>Chemical Research in Toxicology</i> , 2013, 26, 1464-1473.	3.3	11
20	Trapping of <i>cis</i> -2-Butene-1,4-dial to Measure Furan Metabolism in Human Liver Microsomes by Cytochrome P450 Enzymes. <i>Drug Metabolism and Disposition</i> , 2012, 40, 596-601.	3.3	40
21	Formation and Repair of Pyridyloxobutyl DNA Adducts and Their Relationship to Tumor Yield in A/J Mice. <i>Chemical Research in Toxicology</i> , 2012, 25, 2167-2178.	3.3	22
22	Polyamines Are Traps for Reactive Intermediates in Furan Metabolism. <i>Chemical Research in Toxicology</i> , 2011, 24, 1924-1936.	3.3	32
23	Identification of Furan Metabolites Derived from Cysteine- <i>cis</i> -2-Butene-1,4-dial-Lysine Cross-Links. <i>Chemical Research in Toxicology</i> , 2010, 23, 142-151.	3.3	60
24	Formation, Repair, and Genotoxic Properties of Bulky DNA Adducts Formed from Tobacco-Specific Nitrosamines. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-11.	1.2	31
25	Chapter 5 Molecular Mechanisms of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone-Induced Lung Carcinogenesis. <i>Advances in Molecular Toxicology</i> , 2009, , 117-160.	0.4	1
26	Flipping of alkylated DNA damage bridges base and nucleotide excision repair. <i>Nature</i> , 2009, 459, 808-813.	27.8	121
27	The Influence of Repair Pathways on the Cytotoxicity and Mutagenicity Induced by the Pyridyloxobutylation Pathway of Tobacco-Specific Nitrosamines. <i>Chemical Research in Toxicology</i> , 2009, 22, 1464-1472.	3.3	27
28	Degraded Protein Adducts of <i>cis</i> -2-Butene-1,4-dial Are Urinary and Hepatocyte Metabolites of Furan. <i>Chemical Research in Toxicology</i> , 2009, 22, 997-1007.	3.3	51
29	Mgmt deficiency alters the in vivo mutational spectrum of tissues exposed to the tobacco carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK). <i>Carcinogenesis</i> , 2008, 29, 866-874.	2.8	27
30	Depurinating Acylfulvene-DNA Adducts: Characterizing Cellular Chemical Reactions of a Selective Antitumor Agent. <i>Journal of the American Chemical Society</i> , 2007, 129, 2101-2111.	13.7	42
31	Decomposition of S-Nitrosocysteine via S- to N-Transnitrosation. <i>Chemical Research in Toxicology</i> , 2007, 20, 721-723.	3.3	23
32	Differences in the Rate of Repair of O ⁶ -Alkylguanines in Different Sequence Contexts by O ⁶ -Alkylguanine-DNA Alkyltransferase. <i>Chemical Research in Toxicology</i> , 2007, 20, 1966-1971.	3.3	38
33	Electrophilic Intermediates Produced by Bioactivation of Furan. <i>Drug Metabolism Reviews</i> , 2006, 38, 615-626.	3.6	66
34	Identification of <i>cis</i> -2-Butene-1,4-dial-derived Glutathione Conjugate in the Urine of Furan-Treated Rats. <i>Chemical Research in Toxicology</i> , 2006, 19, 1138-1141.	3.3	43
35	Investigating the Role of Stereochemistry in the Activity of Anticancer Acylfulvenes: Synthesis, Reductase-Mediated Bioactivation, and Cellular Toxicity. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2593-2599.	6.4	27
36	Detection of DNA Adducts Derived from the Reactive Metabolite of Furan, <i>cis</i> -2-Butene-1,4-dial. <i>Chemical Research in Toxicology</i> , 2006, 19, 414-420.	3.3	87

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37	Formation of 1,4-Dioxo-2-butene-Derived Adducts of 2'-Deoxyadenosine and 2'-Deoxycytidine in Oxidized DNA. <i>Chemical Research in Toxicology</i> , 2006, 19, 982-985.	3.3	23
38	DNA Sequence Context Affects Repair of the Tobacco-Specific Adduct O6-[4-Oxo-4-(3-pyridyl)butyl]guanine by Human O6-Alkylguanine-DNA Alkyltransferases. <i>Cancer Research</i> , 2006, 66, 4968-4974.	0.9	31
39	Translesion Synthesis across O6-Alkylguanine DNA Adducts by Recombinant Human DNA Polymerases*. <i>Journal of Biological Chemistry</i> , 2006, 281, 38244-38256.	3.4	122
40	Synthesis of [13C4]furan. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2005, 48, 117-121.	1.0	7
41	GLUTATHIONE TRAPPING TO MEASURE MICROSOMAL OXIDATION OF FURAN TO CIS-2-BUTENE-1,4-DIAL. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1453-1458.	3.3	75
42	O6-Pyridyloxobutylguanine Adducts Contribute to the Mutagenic Properties of Pyridyloxobutylating Agents. <i>Chemical Research in Toxicology</i> , 2005, 18, 1619-1625.	3.3	32
43	Synthesis of a 2'-Deoxyguanosine Adduct of cis-2-Butene-1,4-dial, a Reactive Metabolite of Furan. <i>Chemical Research in Toxicology</i> , 2005, 18, 1012-1017.	3.3	10
44	The Repair of the Tobacco Specific Nitrosamine Derived Adduct O6-[4-Oxo-4-(3-pyridyl)butyl]guanine by O6-Alkylguanine-DNA Alkyltransferase Variants. <i>Chemical Research in Toxicology</i> , 2004, 17, 424-434.	3.3	58
45	The Formation of Substituted 1,N6-Etheno-2'-deoxyadenosine and 1,N2-Etheno-2'-deoxyguanosine Adducts by cis-2-Butene-1,4-dial, a Reactive Metabolite of Furan. <i>Chemical Research in Toxicology</i> , 2004, 17, 1607-1613.	3.3	63
46	Development of a Quantitative Liquid Chromatography/Electrospray Mass Spectrometric Assay for a Mutagenic Tobacco Specific Nitrosamine-Derived DNA Adduct, O6-[4-Oxo-4-(3-pyridyl)butyl]-2'-deoxyguanosine. <i>Chemical Research in Toxicology</i> , 2004, 17, 1600-1606.	3.3	23
47	The Pyridyloxobutyl DNA Adduct, O6-[4-Oxo-4-(3-pyridyl)butyl]guanine, Is Detected in Tissues from 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone-treated A/J Mice. <i>Chemical Research in Toxicology</i> , 2003, 16, 1-6.	3.3	37
48	Genotoxic Methylating Agents Modulate Extracellular Signal Regulated Kinase Activity through MEK-Dependent, Glutathione-, and DNA Methylation-Independent Mechanisms in Lung Epithelial Cells. <i>Chemical Research in Toxicology</i> , 2003, 16, 87-94.	3.3	7
49	Solution Structure of an O6-[4-oxo-4-(3-Pyridyl)butyl]guanine Adduct in an 11mer DNA Duplex: Evidence for Formation of a Base Triplex. <i>Biochemistry</i> , 2003, 42, 13134-13144.	2.5	11
50	Nucleophilic Reactions between Thiols and a Tobacco Specific Nitrosamine Metabolite, 4-Hydroxy-1-(3-pyridyl)-1-butanone. <i>Chemical Research in Toxicology</i> , 2003, 16, 661-667.	3.3	4
51	Stereospecific Deuterium Substitution Attenuates the Tumorigenicity and Metabolism of the Tobacco-Specific Nitrosamine 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK). <i>Chemical Research in Toxicology</i> , 2003, 16, 794-806.	3.3	25
52	Characterization of Nucleoside Adducts of cis-2-Butene-1,4-dial, a Reactive Metabolite of Furan. <i>Chemical Research in Toxicology</i> , 2002, 15, 373-379.	3.3	106
53	Mutagenesis by O6-[4-Oxo-4-(3-pyridyl)butyl]guanine in <i>Escherichia coli</i> and Human Cells. <i>Chemical Research in Toxicology</i> , 2002, 15, 165-169.	3.3	66
54	An improved synthesis of radiolabeled 4-(acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2001, 44, 445-450.	1.0	7

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55	A Reactive Metabolite of Furan, cis-2-Butene-1,4-dial, Is Mutagenic in the Ames Assay. <i>Chemical Research in Toxicology</i> , 2000, 13, 531-534.	3.3	93
56	Synthesis of DNA Oligonucleotides Containing Site-Specifically Incorporated O ⁶ -[4-Oxo-4-(3-pyridyl)butyl]guanine and Their Reaction with O ⁶ -Alkylguanine-DNA Alkyltransferase. <i>Chemical Research in Toxicology</i> , 1999, 12, 127-131.	3.3	27
57	Characterization of Amino Acid and Glutathione Adducts of cis-2-Butene-1,4-dial, a Reactive Metabolite of Furan. <i>Chemical Research in Toxicology</i> , 1997, 10, 866-874.	3.3	118
58	Pyridyloxobutyl Adduct O ⁶ -[4-Oxo-4-(3-pyridyl)butyl]guanine Is Present in 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone-Treated DNA and Is a Substrate for O ⁶ -Alkylguanine-DNA Alkyltransferase. <i>Chemical Research in Toxicology</i> , 1997, 10, 562-567.	3.3	101
59	{N-Nitrosobenzylmethylamine Is Activated to a DNA Benzylating Agent in Rats. <i>Chemical Research in Toxicology</i> , 1997, 10, 19-26.	3.3	17
60	Mechanism of enhancement of esophageal tumorigenesis by 6-phenylhexyl isothiocyanate. <i>Cancer Letters</i> , 1997, 112, 119-125.	7.2	28
61	Pyridyloxobutylation of Guanine Residues by 4-[(Acetoxymethyl)nitrosamino]-1-(3-pyridyl)-1-butanone Generates Substrates of O ⁶ -Alkylguanine-DNA Alkyltransferase. <i>Chemical Research in Toxicology</i> , 1996, 9, 949-953.	3.3	17
62	Identification of cis-2-Butene-1,4-dial as a Microsomal Metabolite of Furan. <i>Chemical Research in Toxicology</i> , 1995, 8, 903-906.	3.3	132
63	SHORT COMMUNICATION: G to A transitions and G to T transversions in codon 12 of the Ki-ras oncogene isolated from mouse lung tumors induced by 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) and related DNA methylating and pyridyloxobutylating agents. <i>Carcinogenesis</i> , 1993, 14, 2419-2422.	2.8	140
64	Analysis of mutagenic activity and ability to induce replication of polyoma DNA sequences by different model metabolites of the carcinogenic tobacco-specific nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1992, 279, 91-101.	1.2	18
65	In vivo and in vitro persistence of pyridyloxobutyl DNA adducts from 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Carcinogenesis</i> , 1991, 12, 2069-2072.	2.8	37
66	Investigations of metabolic precursors to hemoglobin and DNA adducts of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Carcinogenesis</i> , 1990, 11, 1329-1333.	2.8	27
67	Solvolysis of model compounds of .alpha.-hydroxylation of N'-nitrosanornicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone: evidence for a cyclic oxonium ion intermediate in the alkylation of nucleophiles. <i>Chemical Research in Toxicology</i> , 1990, 3, 350-356.	3.3	49
68	Chapter 27. Stable Isotopes in Drug Metabolism and Disposition. <i>Annual Reports in Medicinal Chemistry</i> , 1984, 19, 273-282.	0.9	14