Lisa A Peterson

List of Publications by Year
in descending order

68	2,787	147801 31	182427 51
papers	citations	h-index	g-index

68	68	68	1909
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reactive Metabolites in the Biotransformation of Molecules Containing a Furan Ring. Chemical Research in Toxicology, 2013, 26, 6-25.	3.3	167
2	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 relati DNA methylating and pyridyloxobutylating agents. Carcinogenesis, 1993, 14, 2419-2422.	2.8	140
3	Identification of cis-2-Butene-1,4-dial as a Microsomal Metabolite of Furan. Chemical Research in Toxicology, 1995, 8, 903-906.	3.3	132
4	Translesion Synthesis across O6-Alkylguanine DNA Adducts by Recombinant Human DNA Polymerases*. Journal of Biological Chemistry, 2006, 281, 38244-38256.	3.4	122
5	Flipping of alkylated DNA damage bridges base and nucleotide excision repair. Nature, 2009, 459, 808-813.	27.8	121
6	Characterization of Amino Acid and Glutathione Adducts of cis-2-Butene-1,4-dial, a Reactive Metabolite of Furan. Chemical Research in Toxicology, 1997, 10, 866-874.	3.3	118
7	Characterization of Nucleoside Adducts ofcis-2-Butene-1,4-dial, a Reactive Metabolite of Furan. Chemical Research in Toxicology, 2002, 15, 373-379.	3.3	106
8	Pyridyloxobutyl Adduct O6-[4-Oxo-4-(3-pyridyl)butyl]guanine Is Present in 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone-Treated DNA and Is a Substrate for O6-Alkylguanine-DNA Alkyltransferase. Chemical Research in Toxicology, 1997, 10, 562-567.	3.3	101
9	A Reactive Metabolite of Furan,cis-2-Butene-1,4-dial, Is Mutagenic in the Ames Assay. Chemical Research in Toxicology, 2000, 13, 531-534.	3.3	93
10	Detection of DNA Adducts Derived from the Reactive Metabolite of Furan, cis-2-Butene-1,4-dial. Chemical Research in Toxicology, 2006, 19, 414-420.	3.3	87
11	GLUTATHIONE TRAPPING TO MEASURE MICROSOMAL OXIDATION OF FURAN TOCIS-2-BUTENE-1,4-DIAL. Drug Metabolism and Disposition, 2005, 33, 1453-1458.	3.3	75
12	Mutagenesis by O6-[4-Oxo-4-(3-pyridyl)butyl]guanine in Escherichia coli and Human Cells. Chemical Research in Toxicology, 2002, 15, 165-169.	3.3	66
13	Electrophilic Intermediates Produced by Bioactivation of Furan. Drug Metabolism Reviews, 2006, 38, 615-626.	3.6	66
14	The Formation of Substituted 1,N6-Etheno-2â€˜-deoxyadenosine and 1,N2-Etheno-2â€˜-deoxyguanosine Adducts bycis-2-Butene-1,4-dial, a Reactive Metabolite of Furan. Chemical Research in Toxicology, 2004, 17, 1607-1613.	3.3	63
15	Identification of Furan Metabolites Derived from Cysteineâ€'cis-2-Butene-1,4-dialâ€'Lysine Cross-Links. Chemical Research in Toxicology, 2010, 23, 142-151.	3.3	60
16	The Repair of the Tobacco Specific Nitrosamine Derived Adduct O6-[4-Oxo-4-(3-pyridyl)butyl]guanine by O6-Alkylguanine-DNA Alkyltransferase Variants. Chemical Research in Toxicology, 2004, 17, 424-434.	3.3	58
17	Tobacco, e-cigarettes, and child health. Current Opinion in Pediatrics, 2017, 29, 225-230.	2.0	57
18	Degraded Protein Adducts of cis-2-Butene-1,4-dial Are Urinary and Hepatocyte Metabolites of Furan. Chemical Research in Toxicology, 2009, 22, 997-1007.	3.3	51

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19	Solvolysis of model compounds of .alpha.-hydroxylation of N'-nitrosonornicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone: evidence for a cyclic oxonium ion intermediate in the alkylation of nucleophiles. Chemical Research in Toxicology, 1990, 3, 350-356.	3.3	49
20	Identification of acis-2-Butene-1,4-dial-derived Glutathione Conjugate in the Urine of Furan-Treated Rats. Chemical Research in Toxicology, 2006, 19, 1138-1141.	3.3	43
21	Depurinating Acylfulveneâ€'DNA Adducts:Â Characterizing Cellular Chemical Reactions of a Selective Antitumor Agent. Journal of the American Chemical Society, 2007, 129, 2101-2111.	13.7	42
22	Trapping of cis-2-Butene-1,4-dial to Measure Furan Metabolism in Human Liver Microsomes by Cytochrome P450 Enzymes. Drug Metabolism and Disposition, 2012, 40, 596-601.	3.3	40
23	Context Matters: Contribution of Specific DNA Adducts to the Genotoxic Properties of the Tobacco-Specific Nitrosamine NNK. Chemical Research in Toxicology, 2017, 30, 420-433.	3.3	40
24	Differences in the Rate of Repair of O⁶-Alkylguanines in Different Sequence Contexts by O⁶-Alkylguanine-DNA Alkyltransferase. Chemical Research in Toxicology, 2007, 20, 1966-1971.	3.3	38
25	Covalent Modification of Cytochrome c by Reactive Metabolites of Furan. Chemical Research in Toxicology, 2014, 27, 129-135.	3.3	38
26	Tobacco biomarkers and genetic/epigenetic analysis to investigate ethnic/racial differences in lung cancer risk among smokers. Npj Precision Oncology, 2018, 2, 17.	5.4	38
27	In vivo and in vitro persistence of pyridyloxobutyl DNA adducts from 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Carcinogenesis, 1991, 12, 2069-2072.	2.8	37
28	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. Chemical Research in Toxicology, 2003, 16, 1-6.	3.3	37
29	Dihydromethysticin from kava blocks tobacco carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis and differentially reduces DNA damage in A/J mice. Carcinogenesis, 2014, 35, 2365-2372.	2.8	35
30	O6-Pyridyloxobutylguanine Adducts Contribute to the Mutagenic Properties of Pyridyloxobutylating Agents. Chemical Research in Toxicology, 2005, 18, 1619-1625.	3.3	32
31	Polyamines Are Traps for Reactive Intermediates in Furan Metabolism. Chemical Research in Toxicology, 2011, 24, 1924-1936.	3.3	32
32	DNA Sequence Context Affects Repair of the Tobacco-Specific Adduct O6-[4-Oxo-4-(3-pyridyl)butyl]guanine by Human O6-Alkylguanine-DNA Alkyltransferases. Cancer Research, 2006, 66, 4968-4974.	0.9	31
33	Formation, Repair, and Genotoxic Properties of Bulky DNA Adducts Formed from Tobacco-Specific Nitrosamines. Journal of Nucleic Acids, 2010, 2010, 1-11.	1.2	31
34	Mechanism of enhancement of esophageal tumorigenesis by 6-phenylhexyl isothiocyanate. Cancer Letters, 1997, 112, 119-125.	7.2	28
35	Investigations of metabolic precursors to hemoglobin and DNA adducts of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Carcinogenesis, 1990, 11, 1329-1333.	2.8	27
36	Synthesis of DNA Oligonucleotides Containing Site-Specifically IncorporatedO6-[4-Oxo-4-(3-pyridyl)butyl]guanine and Their Reaction withO6-Alkylguanine-DNA Alkyltransferase. Chemical Research in Toxicology, 1999, 12, 127-131.	3.3	27

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37	Investigating the Role of Stereochemistry in the Activity of Anticancer Acylfulvenes:Â Synthesis, Reductase-Mediated Bioactivation, and Cellular Toxicity. Journal of Medicinal Chemistry, 2006, 49, 2593-2599.	6.4	27
38	Mgmt deficiency alters the in vivo mutational spectrum of tissues exposed to the tobacco carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK). Carcinogenesis, 2008, 29, 866-874.	2.8	27
39	The Influence of Repair Pathways on the Cytotoxicity and Mutagenicity Induced by the Pyridyloxobutylation Pathway of Tobacco-Specific Nitrosamines. Chemical Research in Toxicology, 2009, 22, 1464-1472.	3.3	27
40	Mutagenicity of furan in female Big Blue B6C3F1 mice. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 770, 46-54.	1.7	26
41	Abundant Rodent Furan-Derived Urinary Metabolites Are Associated with Tobacco Smoke Exposure in Humans. Chemical Research in Toxicology, 2015, 28, 1508-1516.	3.3	26
42	Stereospecific Deuterium Substitution Attenuates the Tumorigenicity and Metabolism of the Tobacco-Specific Nitrosamine 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK). Chemical Research in Toxicology, 2003, 16, 794-806.	3.3	25
43	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]-2â€˜-deoxyguanosine. Chemical Research in Toxicology, 2004, 17, 1600-1606.	3.3	23
44	Formation of 1,4-Dioxo-2-butene-Derived Adducts of 2â€˜-Deoxyadenosine and 2â€˜-Deoxycytidine in Oxidized DNA. Chemical Research in Toxicology, 2006, 19, 982-985.	3.3	23
45	Decomposition of S-Nitrosocysteine via S- to N-Transnitrosation. Chemical Research in Toxicology, 2007, 20, 721-723.	3.3	23
46	Formation and Repair of Pyridyloxobutyl DNA Adducts and Their Relationship to Tumor Yield in A/J Mice. Chemical Research in Toxicology, 2012, 25, 2167-2178.	3.3	22
47	Comparative Metabolism of Furan in Rodent and Human Cryopreserved Hepatocytes. Drug Metabolism and Disposition, 2014, 42, 1132-1136.	3.3	19
48	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. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1992, 279, 91-101.	1.2	18
49	Pyridyloxobutylation of Guanine Residues by 4-[(Acetoxymethyl)nitrosamino]-1-(3-pyridyl)-1-butanone Generates Substrates ofO6-Alkylguanineâ^'DNA Alkyltransferase. Chemical Research in Toxicology, 1996, 9, 949-953.	3.3	17
50	{}N-Nitrosobenzylmethylamine Is Activated to a DNA Benzylating Agent in Rats. Chemical Research in Toxicology, 1997, 10, 19-26.	3.3	17
51	Chapter 27. Stable Isotopes in Drug Metabolism and Disposition. Annual Reports in Medicinal Chemistry, 1984, 19, 273-282.	0.9	14
52	Human Health Exposure Analysis Resource (HHEAR): A model for incorporating the exposome into health studies. International Journal of Hygiene and Environmental Health, 2021, 235, 113768.	4.3	13
53	Inhaled Furan Selectively Damages Club Cells in Lungs of A/J Mice. Toxicologic Pathology, 2019, 47, 842-850.	1.8	12
54	Solution Structure of anO6-[4-oxo-4-(3-Pyridyl)butyl]guanine Adduct in an 11mer DNA Duplex:Â Evidence for Formation of a Base Triplexâ€. Biochemistry, 2003, 42, 13134-13144.	2.5	11

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55	Role of Aldehydes in the Toxic and Mutagenic Effects of Nitrosamines. Chemical Research in Toxicology, 2013, 26, 1464-1473.	3.3	11
56	Synthesis of a 2â€˜-Deoxyguanosine Adduct of cis-2-Butene-1,4-dial, a Reactive Metabolite of Furan. Chemical Research in Toxicology, 2005, 18, 1012-1017.	3.3	10
57	Interindividual Differences in DNA Adduct Formation and Detoxification of 1,3-Butadiene-Derived Epoxide in Human HapMap Cell Lines. Chemical Research in Toxicology, 2020, 33, 1698-1708.	3.3	10
58	Effects of GSTT1 Genotype on the Detoxification of 1,3-Butadiene Derived Diepoxide and Formation of Promutagenic DNAâ€“DNA Cross-Links in Human Hapmap Cell Lines. Chemical Research in Toxicology, 2021, 34, 119-131.	3.3	10
59	An improved synthesis of radiolabeled 4-(acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone. Journal of Labelled Compounds and Radiopharmaceuticals, 2001, 44, 445-450.	1.0	7
60	Genotoxic Methylating Agents Modulate Extracellular Signal Regulated Kinase Activity through MEK-Dependent, Glutathione-, and DNA Methylation-Independent Mechanisms in Lung Epithelial Cells. Chemical Research in Toxicology, 2003, 16, 87-94.	3.3	7
61	Synthesis of [13C4]furan. Journal of Labelled Compounds and Radiopharmaceuticals, 2005, 48, 117-121.	1.0	7
62	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. Chemical Research in Toxicology, 2021, 34, 723-732.	3.3	7
63	Urinary metabolites of furan in waterpipe tobacco smokers compared to non-smokers in home settings in the US. Toxicology Letters, 2020, 333, 202-210.	0.8	6
64	Nucleophilic Reactions between Thiols and a Tobacco Specific Nitrosamine Metabolite, 4-Hydroxy-1-(3-pyridyl)-1-butanone. Chemical Research in Toxicology, 2003, 16, 661-667.	3.3	4
65	Applying Tobacco, Environmental, and Dietary-Related Biomarkers to Understand Cancer Etiology and Evaluate Prevention Strategies. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 1904-1919.	2.5	4
66	Prenatal stress enhances NNK-induced lung tumors in A/J mice. Carcinogenesis, 2020, 41, 1713-1723.	2.8	4
67	Chapter 5 Molecular Mechanisms of 4â€(Methylnitrosamino)â€1â€(3â€pyridyl)â€1â€butanoneâ€Induced Lung Carcinogenesis. Advances in Molecular Toxicology, 2009, , 117-160.	0.4	1
68	Individual Differences in the Response of Human Î²-Lymphoblastoid Cells to the Cytotoxic, Mutagenic, and DNA-Damaging Effects of a DNA Methylating Agent, N-Methylnitrosourethane. Chemical Research in Toxicology, 2019, 32, 2214-2226.	3.3	1