Stephen S Hecht

List of Publications by Year
in descending order

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513 papers	31,418 citations	4370 86 h-index	7496 151 g-index
519 all docs	519 docs citations	519 times ranked	19332 citing authors

#	Article	IF	Citations
1	Tobacco Smoke Carcinogens and Lung Cancer. Journal of the National Cancer Institute, 1999, 91, 1194-1210.	3.0	1,674
2	Tobacco carcinogens, their biomarkers and tobacco-induced cancer. Nature Reviews Cancer, 2003, 3, 733-744.	12.8	1,232
3	Biochemistry, Biology, and Carcinogenicity of Tobacco-Specific N-Nitrosamines. Chemical Research in Toxicology, 1998, 11, 559-603.	1.7	988
4	Tobacco smoke carcinogens, DNA damage and p53 mutations in smoking-associated cancers. Oncogene, 2002, 21, 7435-7451.	2.6	961
5	Tobacco-specific nitrosamines, an important group of carcinogens in tobacco and tobacco smoke. Carcinogenesis, 1988, 9, 875-884.	1.3	674
6	Environmental and chemical carcinogenesis. Seminars in Cancer Biology, 2004, 14, 473-486.	4.3	522
7	Smokeless tobacco and cancer. Lancet Oncology, The, 2008, 9, 667-675.	5.1	517
8	Cigarette smoking and lung cancer: chemical mechanisms and approaches to prevention. Lancet Oncology, The, 2002, 3, 461-469.	5.1	428
9	Key Characteristics of Carcinogens as a Basis for Organizing Data on Mechanisms of Carcinogenesis. Environmental Health Perspectives, 2016, 124, 713-721.	2.8	415
10	INHIBITION OF CARCINOGENESIS BY ISOTHIOCYANATES*. Drug Metabolism Reviews, 2000, 32, 395-411.	1.5	407
11	Lung carcinogenesis by tobacco smoke. International Journal of Cancer, 2012, 131, 2724-2732.	2.3	362
12	Comparison of Nicotine and Toxicant Exposure in Users of Electronic Cigarettes and Combustible Cigarettes. JAMA Network Open, 2018, 1, e185937.	2.8	361
13	Human urinary carcinogen metabolites: biomarkers for investigating tobacco and cancer. Carcinogenesis, 2002, 23, 907-922.	1.3	359
14	Biochemical Verification of Tobacco Use and Abstinence: 2019 Update. Nicotine and Tobacco Research, 2020, 22, 1086-1097.	1.4	325
15	Randomized Trial of Reduced-Nicotine Standards for Cigarettes. New England Journal of Medicine, 2015, 373, 1340-1349.	13.9	312
16	DNA adduct formation from tobacco-specific N-nitrosamines. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 424, 127-142.	0.4	310
17	Effects of Glucosinolate-Rich Broccoli Sprouts on Urinary Levels of Aflatoxin-DNA Adducts and Phenanthrene Tetraols in a Randomized Clinical Trial in He Zuo Township, Qidong, People's Republic of China. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 2605-2613.	1.1	287
18	Progress and Challenges in Selected Areas of Tobacco Carcinogenesis. Chemical Research in Toxicology, 2008, 21, 160-171.	1.7	284

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19	Phenethyl Isothiocyanate and Sulforaphane and their N-Acetylcysteine Conjugates Inhibit Malignant Progression of Lung Adenomas Induced by Tobacco Carcinogens in A/J Mice. Cancer Research, 2005, 65, 8548-8557.	0.4	226
20	New and traditional smokeless tobacco: Comparison of toxicant and carcinogen levels. Nicotine and Tobacco Research, 2008, 10, 1773-1782.	1.4	222
21	Identification of DNA Adducts of Acetaldehyde. Chemical Research in Toxicology, 2000, 13, 1149-1157.	1.7	217
22	Reduced nicotine content cigarettes: effects on toxicant exposure, dependence and cessation. Addiction, 2010, 105, 343-355.	1.7	207
23	Assessing secondhand smoke using biological markers. Tobacco Control, 2013, 22, 164-171.	1.8	200
24	Evaluation of Toxicant and Carcinogen Metabolites in the Urine of E-Cigarette Users Versus Cigarette Smokers. Nicotine and Tobacco Research, 2015, 17, 704-709.	1.4	196
25	The Reemergence of Smokeless Tobacco. New England Journal of Medicine, 1986, 314, 1020-1027.	13.9	191
26	A Tobacco-Specific Lung Carcinogen in the Urine of Men Exposed to Cigarette Smoke. New England Journal of Medicine, 1993, 329, 1543-1546.	13.9	191
27	Smokers with the CHRNA Lung Cancerâ€“Associated Variants Are Exposed to Higher Levels of Nicotine Equivalents and a Carcinogenic Tobacco-Specific Nitrosamine. Cancer Research, 2008, 68, 9137-9140.	0.4	186
28	Cigarette smoking: cancer risks, carcinogens, and mechanisms. Langenbeck's Archives of Surgery, 2006, 391, 603-613.	0.8	185
29	Tobacco smoke carcinogens and breast cancer. Environmental and Molecular Mutagenesis, 2002, 39, 119-126.	0.9	182
30	Anthocyanins in Black Raspberries Prevent Esophageal Tumors in Rats. Cancer Prevention Research, 2009, 2, 84-93.	0.7	172
31	Effects of Smoking Cessation on Eight Urinary Tobacco Carcinogen and Toxicant Biomarkers. Chemical Research in Toxicology, 2009, 22, 734-741.	1.7	156
32	Analysis of DNA and protein adducts of benzo[a]pyrene in human tissues using structure-specific methods. Mutation Research - Reviews in Mutation Research, 2003, 543, 17-30.	2.4	154
33	Rapid and Sustainable Detoxication of Airborne Pollutants by Broccoli Sprout Beverage: Results of a Randomized Clinical Trial in China. Cancer Prevention Research, 2014, 7, 813-823.	0.7	151
34	Transport of the Î²-O-Glucuronide Conjugate of the Tobacco-specific Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) by the Multidrug Resistance Protein 1 (MRP1). Journal of Biological Chemistry, 2001, 276, 27846-27854.	1.6	147
35	Cancer prevention with freeze-dried berries and berry components. Seminars in Cancer Biology, 2007, 17, 403-410.	4.3	146
36	Urinary Levels of Tobacco-Specific Nitrosamine Metabolites in Relation to Lung Cancer Development in Two Prospective Cohorts of Cigarette Smokers. Cancer Research, 2009, 69, 2990-2995.	0.4	144

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37	Evaluation of butylated hydroxyanisole, myo-inositol, curcumin, esculetin, resveratrol and lycopene as inhibitors of benzo[a]pyrene plus 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis in A/J mice. Cancer Letters, 1999, 137, 123-130.	3.2	142
38	Cytochrome P450 Enzymes as Catalysts of Metabolism of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone, a Tobacco Specific Carcinogen. Chemical Research in Toxicology, 2005, 18, 95-110.	1.7	142
39	Quantitation of Acrolein-Derived (3-Hydroxypropyl)mercapturic Acid in Human Urine by Liquid Chromatographyâ^'Atmospheric Pressure Chemical Ionization Tandem Mass Spectrometry:â€‰ Effects of Cigarette Smoking. Chemical Research in Toxicology, 2007, 20, 986-990.	1.7	141
40	Rapid single-dose model for lung tumor induction in A/J mice by 4-(methylnitrosainino)-1-(3-pyridyl)-1-butanone and the effect of diet. Carcinogenesis, 1989, 10, 1901-1904.	1.3	140
41	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.	1.3	140
42	Tobacco-Specific Nitrosamines: Formation From Nicotine In Vitro and During Tobacco Curing and Carcinogenicity in Strain A Mice 2 3. Journal of the National Cancer Institute, 1978, 60, 819-824.	3.0	139
43	Identification of cis-2-Butene-1,4-dial as a Microsomal Metabolite of Furan. Chemical Research in Toxicology, 1995, 8, 903-906.	1.7	132
44	Research Opportunities Related to Establishing Standards for Tobacco Products Under the Family Smoking Prevention and Tobacco Control Act. Nicotine and Tobacco Research, 2012, 14, 18-28.	1.4	132
45	Reactions of Formaldehyde Plus Acetaldehyde with Deoxyguanosine and DNA:â€‰ Formation of Cyclic Deoxyguanosine Adducts and Formaldehyde Cross-Links. Chemical Research in Toxicology, 2003, 16, 145-152.	1.7	127
46	Effects of alkyl chain length on the inhibition of NNK-induced lung neoplasia in A/J mice by arylalkyl isothiocyanates. Carcinogenesis, 1989, 10, 1757-1759.	1.3	124
47	Comparative tumor initiating activity on mouse skin of 6-nitrobenzo[a]pyrene, 6-nitrochrysene, 3-nitroperylene, 1-nitropyrene and their parent hydrocarbons. Cancer Letters, 1982, 16, 333-337.	3.2	123
48	Tobaccoâ€specific nitrosamines in new tobacco products. Nicotine and Tobacco Research, 2006, 8, 309-313.	1.4	122
49	Identification of an Acetaldehyde Adduct in Human Liver DNA and Quantitation asN2-Ethyldeoxyguanosine. Chemical Research in Toxicology, 2006, 19, 319-324.	1.7	121
50	Mass spectrometric analysis of tobacco-specific nitrosamine-DNA adducts in smokers and nonsmokers. Chemical Research in Toxicology, 1991, 4, 364-368.	1.7	120
51	Effects of Î±-deuterium substitution on the mutagenicity of 4-(methyl-nitrosamino)-1-(3-pyridyl)-1-butanone (NNK)1. Carcinogenesis, 1983, 4, 305-310.	1.3	119
52	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.	1.7	118
53	Relationships between Cigarette Consumption and Biomarkers of Tobacco Toxin Exposure. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 2963-2968.	1.1	115
54	Similar Uptake of Lung Carcinogens by Smokers of Regular, Light, and Ultralight Cigarettes. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 693-698.	1.1	114

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55	Effect of Immediate vs Gradual Reduction in Nicotine Content of Cigarettes on Biomarkers of Smoke Exposure. JAMA - Journal of the American Medical Association, 2018, 320, 880.	3.8	113
56	Detection and Quantitation of Acrolein-Derived 1,N2-Propanodeoxyguanosine Adducts in Human Lung by Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry. Chemical Research in Toxicology, 2007, 20, 565-571.	1.7	110
57	Modulation of the metabolism of airborne pollutants by glucoraphanin-rich and sulforaphane-rich broccoli sprout beverages in Qidong, China. Carcinogenesis, 2012, 33, 101-107.	1.3	108
58	Exposure and Metabolic Activation Biomarkers of Carcinogenic Tobacco-Specific Nitrosamines. Accounts of Chemical Research, 2016, 49, 106-114.	7.6	108
59	Tobacco-Specific Nitrosamines and Their Pyridine-N-glucuronides in the Urine of Smokers and Smokeless Tobacco Users. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 885-891.	1.1	107
60	The Biological Significance of Tobacco-SpecificN-Nitrosamines: Smoking and Adenocarcinoma of the Lung. Critical Reviews in Toxicology, 1996, 26, 199-211.	1.9	106
61	Genotoxicity of acetaldehyde- and crotonaldehyde-induced 1,N2-propanodeoxyguanosine DNA adducts in human cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 608, 1-7.	0.9	105
62	A Prospectively Measured Serum Biomarker for a Tobacco-Specific Carcinogen and Lung Cancer in Smokers. Cancer Epidemiology Biomarkers and Prevention, 2009, 18, 260-266.	1.1	105
63	Evaluation of Carcinogen Exposure in People Who Used "Reduced Exposure" Tobacco Products. Journal of the National Cancer Institute, 2004, 96, 844-852.	3.0	104
64	Urinary Levels of Cigarette Smoke Constituent Metabolites Are Prospectively Associated with Lung Cancer Development in Smokers. Cancer Research, 2011, 71, 6749-6757.	0.4	103
65	Effects of dietary indoles and isothiocyanates on N-nitrosodimethylamine and 4-(methylnitrosamino)-1-(3-pyridyl)- 1-butanone Î±-hydroxylation and DNA methylation in rat liver. Carcinogenesis, 1985, 6, 539-543.	1.3	102
66	Chemoprevention of Esophageal Cancer with Black Raspberries, Their Component Anthocyanins, and a Major Anthocyanin Metabolite, Protocatechuic Acid. Cancer Prevention Research, 2014, 7, 574-584.	0.7	102
67	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.	1.7	101
68	Nicotine Metabolite Ratio Predicts Smoking Topography and Carcinogen Biomarker Level. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 234-238.	1.1	101
69	Similar Exposure to a Tobacco-Specific Carcinogen in Smokeless Tobacco Users and Cigarette Smokers. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 1567-1572.	1.1	99
70	Comparative tumorigenicity of benzo[a]pyrene, 1-nitropyrene and 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine administered by gavage to female CD rats. Carcinogenesis, 1995, 16, 431-434.	1.3	98
71	Carcinogenicity studies of inhaled cigarette smoke in laboratory animals: old and new. Carcinogenesis, 2005, 26, 1488-1492.	1.3	98
72	Effects of Reduced Cigarette Smoking on the Uptake of a Tobacco-Specific Lung Carcinogen. Journal of the National Cancer Institute, 2004, 96, 107-115.	3.0	97

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73	Changing Smokeless Tobacco Products. American Journal of Preventive Medicine, 2007, 33, S368-S378.	1.6	97
74	Metabolism of the tobacco-specific nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in the patas monkey: pharmacokinetics and characterization of glucuronide metabolites. Carcinogenesis, 1993, 14, 229-236.	1.3	95
75	Lung tumor induction in A/J mice by the tobacco smoke carcinogens 4-(methylnitrosamino)-l-(3-pyridyl)-l-butanone and benzo[a]pyrene: a potentially useful model for evaluation of chemopreventive agents. Carcinogenesis, 1994, 15, 2721-2725.	1.3	95
76	Tobacco-specific nitrosamines in smokeless tobacco products marketed in India. International Journal of Cancer, 2005, 116, 16-19.	2.3	95
77	Biomarkers of exposure to new and emerging tobacco delivery products. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L425-L452.	1.3	95
78	Evidence for 4-(3-pyridyl)-4-oxobutylation of DNA in F344 rats treated with the tobacco-specific nitrosamines 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and Nâ€²-nitrosonornicotine. Carcinogenesis, 1988, 9, 161-165.	1.3	93
79	A review: dietary and endogenously formed N-nitroso compounds and risk of childhood brain tumors. Cancer Causes and Control, 2005, 16, 619-635.	0.8	93
80	Chemoprevention of lung carcinogenesis in addicted smokers and ex-smokers. Nature Reviews Cancer, 2009, 9, 476-488.	12.8	93
81	Mammary carcinogenicity in female CD rats of fjord region diol epoxides of benzo[c]phenanthrene, benzo[g]chrysene and dibenzo[a,l]pyrene. Carcinogenesis, 1995, 16, 1971-1974.	1.3	91
82	Identification of Adducts Formed by Pyridyloxobutylation of Deoxyguanosine and DNA by 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone, a Chemically Activated Form of Tobacco Specific Carcinogens. Chemical Research in Toxicology, 2003, 16, 616-626.	1.7	91
83	A Study of Tobacco Carcinogenesis. XIV. ERects of N '-Nitrosonornicotine and N '-Nitrosonanabasine in Rats 2. Journal of the National Cancer Institute, 1975, 55, 977-981.	3.0	90
84	Cytochrome P450 2A-Catalyzed Metabolic Activation of Structurally Similar Carcinogenic Nitrosamines:ÂNâ€˜-Nitrosonornicotine Enantiomers,N-Nitrosopiperidine, andN-Nitrosopyrrolidine. Chemical Research in Toxicology, 2005, 18, 61-69.	1.7	90
85	Formaldehyde and leukemia: Epidemiology, potential mechanisms, and implications for risk assessment. Environmental and Molecular Mutagenesis, 2010, 51, 181-191.	0.9	90
86	Applying Tobacco Carcinogen and Toxicant Biomarkers in Product Regulation and Cancer Prevention. Chemical Research in Toxicology, 2010, 23, 1001-1008.	1.7	89
87	Tumorigenicity in newborn mice of fjord region and other sterically hindered diol epoxides of benzo[g]chrysene, dibenzo[a, l]pyrene (dibenzo[def, p]chrysene), 4H-cyclopenta[def]chrysene and fluoranthene. Carcinogenesis, 1995, 16, 2813-2817.	1.3	88
88	Metabolites of a Tobacco-Specific Lung Carcinogen in Nonsmoking Women Exposed to Environmental Tobacco Smoke. Journal of the National Cancer Institute, 2001, 93, 378-381.	3.0	88
89	NIH Electronic Cigarette Workshop: Developing a Research Agenda. Nicotine and Tobacco Research, 2015, 17, 259-269.	1.4	88
90	Analysis of Crotonaldehyde- and Acetaldehyde-Derived 1,N2-Propanodeoxyguanosine Adducts in DNA from Human Tissues Using Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry. Chemical Research in Toxicology, 2006, 19, 1386-1392.	1.7	86

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91	Tumorigenicity and metabolism of 1-nitropyrene in A/J mice. Carcinogenesis, 1984, 5, 1449-1452.	1.3	83
92	High-Performance Liquid Chromatography-Based Determination of Total Isothiocyanate Levels in Human Plasma: Application to Studies with 2-Phenethyl Isothiocyanate. Analytical Biochemistry, 2001, 291, 279-289.	1.1	83
93	Nicotine Metabolism in Three Ethnic/Racial Groups with Different Risks of Lung Cancer. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 3526-3535.	1.1	83
94	Benzyl isothiocyanate: an effective inhibitor of polycyclic aromatic hydrocarbon tumorigenesis in A/J mouse lung. Cancer Letters, 2002, 187, 87-94.	3.2	79
95	Chemical studies on tobacco smoke. 52. Reaction of nicotine and sodium nitrite: formation of nitrosamines and fragmentation of the pyrrolidine ring. Journal of Organic Chemistry, 1978, 43, 72-76.	1.7	78
96	Analysis of 23 Polycyclic Aromatic Hydrocarbons in Smokeless Tobacco by Gas Chromatographyâˆ'Mass Spectrometry. Chemical Research in Toxicology, 2010, 23, 66-73.	1.7	78
97	New DNA adducts of crotonaldehyde and acetaldehyde. Toxicology, 2001, 166, 31-36.	2.0	77
98	Biomarkers to assess the utility of potential reduced exposure tobacco products. Nicotine and Tobacco Research, 2006, 8, 169-191.	1.4	77
99	Urinary levels of the tobacco-specific carcinogen N'-nitrosonornicotine and its glucuronide are strongly associated with esophageal cancer risk in smokers. Carcinogenesis, 2011, 32, 1366-1371.	1.3	77
100	Chemical Studies on Tobacco Smoke. XXXIII. N'-Nitrosonornicotine in Tobacco: Analysis of Possible Contributing Factors and Biologic Implications2. Journal of the National Cancer Institute, 1975, 54, 1237-1244.	3.0	76
101	Formation and Accumulation of Pyridyloxobutyl DNA Adducts in F344 Rats Chronically Treated with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of Its Metabolite, 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. Chemical Research in Toxicology, 2007, 20, 235-245.	1.7	76
102	Quantitation of Pyridyloxobutyl DNA Adducts of Tobacco-Specific Nitrosamines in Rat Tissue DNA by High-Performance Liquid Chromatographyâˆ'Electrospray Ionizationâˆ'Tandem Mass Spectrometry. Chemical Research in Toxicology, 2006, 19, 674-682.	1.7	75
103	Biomarkers to assess the utility of potential reduced exposure tobacco products. Nicotine and Tobacco Research, 2006, 8, 599-622.	1.4	75
104	Effects of isothiocyanates on tumorigenesis by benzo[a]pyrene in murine tumor models. Cancer Letters, 1993, 74, 151-159.	3.2	74
105	Racial/Ethnic Differences in Lung Cancer Incidence in the Multiethnic Cohort Study: An Update. Journal of the National Cancer Institute, 2019, 111, 811-819.	3.0	74
106	Detection of cyclic 1, N2-propanodeoxyguanosine adducts in DNA of rats treated with N-nitrosopyrrolidine and mice treated with crotonaldehyde. Carcinogenesis, 1989, 10, 1291-1297.	1.3	73
107	The role of intestinal microflora in the metabolic reduction of 1-nitropyrene to 1-aminopyrene in conventional and germfree rats and in humansâ˜†. Cancer Letters, 1983, 19, 311-316.	3.2	72
108	Tumorigenicity and metabolism of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol enantiomers and metabolites in the A/J mouse. Carcinogenesis, 1999, 20, 1577-1582.	1.3	72

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109	High Throughput Liquid and Gas Chromatographyâ€“Tandem Mass Spectrometry Assays for Tobacco-Specific Nitrosamine and Polycyclic Aromatic Hydrocarbon Metabolites Associated with Lung Cancer in Smokers. Chemical Research in Toxicology, 2013, 26, 1209-1217.	1.7	72
110	Induction of respiratory tract tumors in Syrian golden hamsters by a single dose of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) and the effect of smoke inhalation. Carcinogenesis, 1983, 4, 1287-1290.	1.3	71
111	Effects of phenethyl isothiocyanate and benzyl isothiocyanate, individually and in combination, on lung tumorigenesis induced in A/J mice by benzo[a]pyrene and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Cancer Letters, 2000, 150, 49-56.	3.2	71
112	Urinary Tobacco Smokeâ€“Constituent Biomarkers for Assessing Risk of Lung Cancer. Cancer Research, 2014, 74, 401-411.	0.4	71
113	Application of a High-Resolution Mass-Spectrometry-Based DNA Adductomics Approach for Identification of DNA Adducts in Complex Mixtures. Analytical Chemistry, 2014, 86, 1744-1752.	3.2	71
114	Carcinogen derived biomarkers: applications in studies of human exposure to secondhand tobacco smoke. Tobacco Control, 2004, 13, 48i-56.	1.8	70
115	Quantitation of an Acetaldehyde Adduct in Human Leukocyte DNA and the Effect of Smoking Cessation. Chemical Research in Toxicology, 2007, 20, 108-113.	1.7	70
116	Smokeless tobacco and cigarette smoking: chemical mechanisms and cancer prevention. Nature Reviews Cancer, 2022, 22, 143-155.	12.8	70
117	Identification of cyanidin glycosides as constituents of freeze-dried black raspberries which inhibit anti-benzo[a]pyrene-7,8-diol-9,10-epoxide induced NFÂB and AP-1 activity. Carcinogenesis, 2005, 27, 1617-1626.	1.3	69
118	Analysis of Phenanthrene and Benzo[a]pyrene Tetraol Enantiomers in Human Urine: Relevance to the Bay Region Diol Epoxide Hypothesis of Benzo[a]pyrene Carcinogenesis and to Biomarker Studies. Chemical Research in Toxicology, 2010, 23, 900-908.	1.7	69
119	Nicotine-Derived N-Nitrosamines (TSNA) and their Relevance in Tobacco Carcinogenesis. Critical Reviews in Toxicology, 1991, 21, 305-311.	1.9	67
120	Clinical Trial of 2-Phenethyl Isothiocyanate as an Inhibitor of Metabolic Activation of a Tobacco-Specific Lung Carcinogen in Cigarette Smokers. Cancer Prevention Research, 2016, 9, 396-405.	0.7	67
121	Kinetics of DNA Adduct Formation in the Oral Cavity after Drinking Alcohol. Cancer Epidemiology Biomarkers and Prevention, 2012, 21, 601-608.	1.1	66
122	Indole-3-carbinol Inhibits 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone Plus Benzo(a)pyreneâ€“Induced Lung Tumorigenesis in A/J Mice and Modulates Carcinogen-Induced Alterations in Protein Levels. Cancer Research, 2007, 67, 6502-6511.	0.4	65
123	Inhibition of lung tumorigenesis in A/J mice by N-acetyl-S-(N-2-phenethylthiocarbamoyl)-L-cysteine and myo-inositol, individually and in combination. Carcinogenesis, 2002, 23, 1455-1461.	1.3	64
124	Analysis ofN- andO-Glucuronides of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) in Human Urine. Chemical Research in Toxicology, 2002, 15, 545-550.	1.7	64
125	Clear Differences in Levels of a Formaldehyde-DNA Adduct in Leukocytes of Smokers and Nonsmokers. Cancer Research, 2009, 69, 7170-7174.	0.4	63
126	Presence of the Carcinogen Nâ€²-Nitrosonornicotine in the Urine of Some Users of Oral Nicotine Replacement Therapy Products. Cancer Research, 2009, 69, 8236-8240.	0.4	63

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127	(S)-N'-Nitrosonornicotine, a constituent of smokeless tobacco, is a powerful oral cavity carcinogen in rats. Carcinogenesis, 2013, 34, 2178-2183.	1.3	61
128	Reduced Nicotine Content Cigarettes and Nicotine Patch. Cancer Epidemiology Biomarkers and Prevention, 2013, 22, 1015-1024.	1.1	60
129	Developing the science base for reducing tobacco harm. Nicotine and Tobacco Research, 2007, 9, 537-553.	1.4	58
130	Analysis of Acrolein-Derived 1,N²-Propanodeoxyguanosine Adducts in Human Leukocyte DNA from Smokers and Nonsmokers. Chemical Research in Toxicology, 2011, 24, 119-124.	1.7	57
131	Childrenâ€™s Exposure to Secondhand and Thirdhand Smoke Carcinogens and Toxicants in Homes of Hookah Smokers. Nicotine and Tobacco Research, 2014, 16, 961-975.	1.4	57
132	Tobacco, e-cigarettes, and child health. Current Opinion in Pediatrics, 2017, 29, 225-230.	1.0	57
133	Comprehensive analysis of urinary metabolites of Nâ€² -nitroso-nornicotine. Carcinogenesis, 1981, 2, 833-838.	1.3	56
134	N 2-Ethyldeoxyguanosine as a Potential Biomarker for Assessing Effects of Alcohol Consumption on DNA. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 3026-3032.	1.1	56
135	Recent Studies on DNA Adducts Resulting from Human Exposure to Tobacco Smoke. Toxics, 2019, 7, 16.	1.6	56
136	Mercapturic Acids Derived from the Toxicants Acrolein and Crotonaldehyde in the Urine of Cigarette Smokers from Five Ethnic Groups with Differing Risks for Lung Cancer. PLoS ONE, 2015, 10, e0124841.	1.1	56
137	Identification of O2-Substituted Pyrimidine Adducts Formed in Reactions of 4-(Acetoxymethylnitrosamino)- 1-(3-pyridyl)-1-butanone and 4-(Acetoxymethylnitros-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3	1.7	55
138	Analysis of Pyridyloxobutyl DNA Adducts in F344 Rats Chronically Treated with (R)- and (S)-Nâ€˜-Nitrosonornicotine. Chemical Research in Toxicology, 2007, 20, 246-256.	1.7	55
139	Urinary metabolites of a polycyclic aromatic hydrocarbon and volatile organic compounds in relation to lung cancer development in lifelong never smokers in the Shanghai Cohort Study. Carcinogenesis, 2014, 35, 339-345.	1.3	55
140	Mass Spectrometric Analysis of Relative Levels of Pyridyloxobutylation Adducts Formed in the Reaction of DNA with a Chemically Activated Form of the Tobacco-Specific Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone. Chemical Research in Toxicology, 2005, 18, 1048-1055.	1.7	54
141	Metabolites of a Tobacco-Specific Lung Carcinogen in Children Exposed to Secondhand or Thirdhand Tobacco Smoke in Their Homes. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 1213-1221.	1.1	53
142	4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol and its Glucuronides in the Urine of Infants Exposed to Environmental Tobacco Smoke. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 988-992.	1.1	52
143	Evidence for endogenous formation of Nâ€²-nitrosonornicotine in some long-term nicotine patch users. Nicotine and Tobacco Research, 2009, 11, 99-105.	1.4	52
144	Identification of the mutagenic metabolites of fluoranthene, 2-methylfluoranthene, and 3-methylfluoranthene. Carcinogenesis, 1982, 3, 841-846.	1.3	51

#	Article	IF	Citations
145	Carcinogenic tobacco-specificN-nitrosamines in US cigarettes: three decades of remarkable neglect by the tobacco industry. Tobacco Control, 2012, 21, 44-48.	1.8	51
146	CYP2A6 genetic polymorphisms and biomarkers of tobacco smoke constituents in relation to risk of lung cancer in the Singapore Chinese Health Study. Carcinogenesis, 2017, 38, 411-418.	1.3	51
147	Fifty Years of Tobacco Carcinogenesis Research: From Mechanisms to Early Detection and Prevention of Lung Cancer. Cancer Prevention Research, 2014, 7, 1-8.	0.7	50
148	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.	1.7	49
149	The influence of methyl substitution on the mutagenicity of nitronaphthalenes and nitrobiphenyls. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1981, 81, 143-153.	0.4	48
150	Tumour initiating activity of dihydrodiols of benzo[b]fluoranthene, benzo[j]fluoranthene, and benzo[k]fluoranthene. Carcinogenesis, 1982, 3, 49-52.	1.3	48
151	Effects of benzyl isothiocyanate and phenethyl isothiocyanate on benzo[a]pyrene metabolism and DNA adduct formation in the A/J mouse. Carcinogenesis, 2000, 21, 1711-1719.	1.3	48
152	Urinary levels of volatile organic carcinogen and toxicant biomarkers in relation to lung cancer development in smokers. Carcinogenesis, 2012, 33, 804-809.	1.3	48
153	Quantitation of metabolites of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone after cessation of smokeless tobacco use. Cancer Research, 2002, 62, 129-34.	0.4	48
154	A study of tobacco carcinogenesis. XV. Effects of Nâ€²-nitrosonornicotine and Nâ€²-nitrosoanabasine in Syrian golden hamsters. Cancer Letters, 1977, 2, 169-175.	3.2	47
155	Identification of crotonaldehyde as a hepatic microsomal metabolite formed by .alpha.-hydroxylation of the carcinogen N-nitrosopyrrolidine. Chemical Research in Toxicology, 1988, 1, 28-31.	1.7	47
156	Study of reactions of .alpha.,.beta.-unsaturated carbonyl compounds with deoxyguanosine. Journal of Organic Chemistry, 1988, 53, 14-17.	1.7	47
157	Effects of dietary sinigrin or indole-3-carbinol on O6-methylguanine-DNA-transmethylase activity and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced DNA methylation and tumorigenicity in F344 rats. Carcinogenesis, 1988, 9, 1891-1895.	1.3	47
158	Effects of deuterium substitution on the tumorigenicity of 4-(metlhylnitrosamino)-1-(3-pyridyl)-1-butanone and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol in A/J mice. Carcinogenesis, 1990, 11, 1017-1020.	1.3	47
159	Quantitation of 4-Oxo-4-(3-pyridyl)butanoic Acid and Enantiomers of 4-Hydroxy-4-(3-pyridyl)butanoic Acid in Human Urine:Â A Substantial Pathway of Nicotine Metabolism. Chemical Research in Toxicology, 1999, 12, 172-179.	1.7	47
160	Carcinogenicity and DNA adduct formation of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and enantiomers of its metabolite 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol in F-344 rats. Carcinogenesis, 2014, 35, 2798-2806.	1.3	47
161	A Randomized Controlled Trial of Progressively Reduced Nicotine Content Cigarettes on Smoking Behaviors, Biomarkers of Exposure, and Subjective Ratings. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 1125-1133.	1.1	47
162	Extensive Metabolic Activation of the Tobacco-Specific Carcinogen 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone in Smokers. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 1764-1773.	1.1	46

#	Article	IF	Citations
163	Analysis of Pyridyloxobutyl and Pyridylhydroxybutyl DNA Adducts in Extrahepatic Tissues of F344 Rats Treated Chronically with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. Chemical Research in Toxicology, 2009, 22, 926-936.	1.7	46
164	Immediate Consequences of Cigarette Smoking: Rapid Formation of Polycyclic Aromatic Hydrocarbon Diol Epoxides. Chemical Research in Toxicology, 2011, 24, 246-252.	1.7	46
165	Tobacco-Specific Nitrosamine Exposures in Smokers and Nonsmokers Exposed to Cigarette or Waterpipe Tobacco Smoke. Nicotine and Tobacco Research, 2013, 15, 130-138.	1.4	46
166	Longitudinal Study of Urinary Phenanthrene Metabolite Ratios: Effect of Smoking on the Diol Epoxide Pathway. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 2969-2974.	1.1	45
167	Comparison of Polymorphisms in Genes Involved in Polycyclic Aromatic Hydrocarbon Metabolism with Urinary Phenanthrene Metabolite Ratios in Smokers. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 1805-1811.	1.1	45
168	Tobacco-specificN-nitrosamine exposures and cancer risk in the Shanghai cohort study: Remarkable coherence with rat tumor sites. International Journal of Cancer, 2014, 134, 2278-2283.	2.3	45
169	Metabolic Activation and DNA Interactions of Carcinogenic N-Nitrosamines to Which Humans Are Commonly Exposed. International Journal of Molecular Sciences, 2022, 23, 4559.	1.8	45
170	Formation and metabolism of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol enantiomers in vitro in mouse, rat and human tissues. Carcinogenesis, 2000, 21, 1233-1238.	1.3	44
171	Effects of benzyl isothiocyanate and 2-phenethyl isothiocyanate on benzo[a]pyrene and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone metabolism in F-344 rats. Carcinogenesis, 2003, 24, 517-525.	1.3	44
172	It Is Time to Regulate Carcinogenic Tobacco-Specific Nitrosamines in Cigarette Tobacco. Cancer Prevention Research, 2014, 7, 639-647.	0.7	44
173	A Randomized Clinical Trial Examining the Effects of Instructions for Electronic Cigarette Use on Smoking-Related Behaviors and Biomarkers of Exposure. Nicotine and Tobacco Research, 2020, 22, 1524-1532.	1.4	44
174	Carcinogenic components of tobacco and tobacco smoke: A 2022 update. Food and Chemical Toxicology, 2022, 165, 113179.	1.8	44
175	The bay-region geometry of some 5-methylchrysenes: steric effects in 5,6- and 5,12-dimethylchrysenes. Carcinogenesis, 1984, 5, 1421-1430.	1.3	43
176	Identification of ring oxidized metabolites of 1-nitropyrene in the feces and urine of germfree F344 rats. Carcinogenesis, 1984, 5, 1371-1373.	1.3	43
177	32P-postlabeling analysis of 1-nitropyrene-DNA adducts in female Sprague-Dawley rats. Carcinogenesis, 1989, 10, 195-198.	1.3	43
178	Reactions of .alpha.-Acetoxy-N-nitrosopyrrolidine and .alpha.-Acetoxy-N-nitrosopiperidine with Deoxyguanosine: Formation of N2-Tetrahydrofuranyl and N2-Tetrahydropyranyl Adducts. Chemical Research in Toxicology, 1995, 8, 607-616.	1.7	43
179	Gastric Carcinogenesis:â€‰ 2-Chloro-4-methylthiobutanoic Acid, a Novel Mutagen in Salted, Pickled Sanma Hiraki Fish, or Similarly Treated Methionine. Chemical Research in Toxicology, 1996, 9, 58-66.	1.7	43
180	A tobacco-specific carcinogen in the fetus. , 2000, 20, 307-310.		43

#	Article	IF	Citations
181	Inhibition of lung carcinogenesis and critical cancer-related signaling pathways by N-acetyl-S-(N-2-phenethylthiocarbamoyl)-l-cysteine, indole-3-carbinol and myo-inositol, alone and in combination. Carcinogenesis, 2010, 31, 1634-1641.	1.3	43
182	Monitoring Tobacco-Specific N-Nitrosamines and Nicotine in Novel Marlboro and Camel Smokeless Tobacco Products: Findings From Round 1 of the New Product Watch. Nicotine and Tobacco Research, 2012, 14, 274-281.	1.4	43
183	Recommendations and proposed guidelines for assessing the cumulative evidence on joint effects of genes and environments on cancer occurrence in humans. International Journal of Epidemiology, 2012, 41, 686-704.	0.9	43
184	Ultrasensitive High-Resolution Mass Spectrometric Analysis of a DNA Adduct of the Carcinogen Benzo[a]pyrene in Human Lung. Analytical Chemistry, 2017, 89, 12735-12742.	3.2	43
185	r-1,t-2,3,c-4-Tetrahydroxy-1,2,3,4-tetrahydrophenanthrene in human urine: a potential biomarker for assessing polycyclic aromatic hydrocarbon metabolic activation. Cancer Epidemiology Biomarkers and Prevention, 2003, 12, 1501-8.	1.1	43
186	Roles of tobacco cellulose, sugars, and chlorogenic acid as precursors to catechol in cigarette smoke. Journal of Agricultural and Food Chemistry, 1984, 32, 267-273.	2.4	42
187	Determination of r-7,t-8,9,c-10-Tetrahydroxy-7,8,9,10-tetrahydrobenzo[a]pyrene in Human Urine by Gas Chromatography/Negative Ion Chemical Ionization/Mass Spectrometry. Chemical Research in Toxicology, 2000, 13, 271-280.	1.7	42
188	Effects of benzyl isothiocyanate and phenethyl isothiocyanate on DNA adduct formation by a mixture of benzo[a]pyrene and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in A/J mouse lung. Carcinogenesis, 2002, 23, 1433-1439.	1.3	42
189	Ethylation and methylation of hemoglobin in smokers and non-smokers. Carcinogenesis, 2002, 23, 1903-1910.	1.3	42
190	Eukaryotic Initiation Factor 4E Binding Protein Family of Proteins: Sentinels at a Translational Control Checkpoint in Lung Tumor Defense. Cancer Research, 2009, 69, 8455-8462.	0.4	42
191	Evaluation of 32P-postlabeling analysis of DNA from exfoliated oral mucosa cells as a means of monitoring exposure of the oral cavity to genotoxic agents. Carcinogenesis, 1989, 10, 1429-1434.	1.3	41
192	Effects of anti-7,8-dihydroxy-9,10-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene on human small airway epithelial cells and the protective effects of myo-inositol. Carcinogenesis, 1999, 20, 139-145.	1.3	41
193	Effects of high dose transdermal nicotine replacement in cigarette smokers. Pharmacology Biochemistry and Behavior, 2007, 86, 132-139.	1.3	41
194	Toxicant Exposure in Cigarette Reducers versus Light Smokers. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 2355-2358.	1.1	40
195	Smoking reduction fails to improve clinical and biological markers of cardiac disease: A randomized controlled trial. Nicotine and Tobacco Research, 2008, 10, 471-481.	1.4	40
196	Time course of DNA adduct formation in peripheral blood granulocytes and lymphocytes after drinking alcohol. Mutagenesis, 2012, 27, 485-490.	1.0	40
197	Analysis of total 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) in human urine. Cancer Epidemiology Biomarkers and Prevention, 2003, 12, 1257-61.	1.1	40
198	A Study of Tobacco Carcinogenesis. XIII. Tumor-Promoting Subfractions of the Weakly Acidic Fraction 2. Journal of the National Cancer Institute, 1975, 55, 1329-1336.	3.0	39

#	Article	IF	Citations
199	Tobacco and Cancer: Approaches Using Carcinogen Biomarkers and Chemoprevention. Annals of the New York Academy of Sciences, 1997, 833, 91-111.	1.8	39
200	Metabolic Activation of the Tobacco Carcinogen 4-(Methylnitrosamino)-(3-pyridyl)-1-butanone by Cytochrome P450 2A13 in Human Fetal Nasal Microsomes. Chemical Research in Toxicology, 2005, 18, 913-918.	1.7	39
201	Mass Spectrometric Quantitation of Nicotine, Cotinine, and 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol in Human Toenails. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 2378-2383.	1.1	39
202	High throughput liquid chromatographyâ€“tandem mass spectrometry assay for mercapturic acids of acrolein and crotonaldehyde in cigarette smokersâ€™ urine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 935, 36-40.	1.2	39
203	Variation in Levels of the Lung Carcinogen NNAL and Its Glucuronides in the Urine of Cigarette Smokers from Five Ethnic Groups with Differing Risks for Lung Cancer. Cancer Epidemiology Biomarkers and Prevention, 2015, 24, 561-569.	1.1	39
204	5-Methylchrysene metabolism in mouse epidermis in vivo, diol epoxideâ€”DNA adduct persistence, and diol epoxide reactivity with DNA as potential factors influencing the predominance of 5-methylchrysene-1,2-diol-3,4-epoxideâ€”DNA adducts in mouse epidermis. Carcinogenesis, 1983, 4, 843-849.	1.3	38
205	DNA and hemoglobin alkylation by 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and its major metabolite 4-(methylnitros-amino)-1-(3-pyridyl)-1-butanol in F344 rats. Carcinogenesis, 1988, 9, 1665-1668.	1.3	38
206	Doseâ€“response study of myo-inositol as an inhibitor of lung tumorigenesis induced in A/J mice by benzo[a]pyrene and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Cancer Letters, 2001, 167, 1-6.	3.2	38
207	Chemopreventive Effect of Kava on 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone plus Benzo[a]pyreneâ€“Induced Lung Tumorigenesis in A/J Mice. Cancer Prevention Research, 2008, 1, 430-438.	0.7	38
208	Quantitation of Pyridyloxobutyl-DNA Adducts in Tissues of Rats Treated Chronically with (R)- or (S)-Nâ€²-Nitrosonornicotine (NNN) in a Carcinogenicity Study. Chemical Research in Toxicology, 2013, 26, 1526-1535.	1.7	38
209	Nornicotine Nitrosation in Saliva and Its Relation to Endogenous Synthesis of N'-Nitrosonornicotine in Humans. Nicotine and Tobacco Research, 2013, 15, 591-595.	1.4	38
210	Liver Tumor Promotion by 2,3,7,8-Tetrachlorodibenzo-p-dioxin Is Dependent on the Aryl Hydrocarbon Receptor and TNF/IL-1 Receptors. Toxicological Sciences, 2014, 140, 135-143.	1.4	38
211	Genetic determinants of cytochrome P450 2A6 activity and biomarkers of tobacco smoke exposure in relation to risk of lung cancer development in the Shanghai cohort study. International Journal of Cancer, 2016, 138, 2161-2171.	2.3	38
212	Tobacco biomarkers and genetic/epigenetic analysis to investigate ethnic/racial differences in lung cancer risk among smokers. Npj Precision Oncology, 2018, 2, 17.	2.3	38
213	Urinary concentrations of monohydroxylated polycyclic aromatic hydrocarbons in adults from the U.S. Population Assessment of Tobacco and Health (PATH) Study Wave 1 (2013â€“2014). Environment International, 2019, 123, 201-208.	4.8	38
214	Synthesis of Tobacco-SpecificN-Nitrosamines and Their Metabolites and Results of Related Bioassays. Critical Reviews in Toxicology, 1996, 26, 139-147.	1.9	37
215	Quantitation of Pyridylhydroxybutyl-DNA Adducts in Liver and Lung of F-344 Rats Treated with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of Its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. Chemical Research in Toxicology, 2008, 21, 1468-1476.	1.7	37
216	Nicotine: A precursor for carcinogens. Cancer Letters, 1985, 26, 67-75.	3.2	36

#	Article	IF	Citations
217	Comparative Levels of O6-Methylguanine, Pyridyloxobutyl-, and Pyridylhydroxybutyl-DNA Adducts in Lung and Liver of Rats Treated Chronically with the Tobacco-Specific Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone. Drug Metabolism and Disposition, 2009, 37, 1147-1151.	1.7	36
218	Analysis of 4-Hydroxy-1-(3-pyridyl)-1-butanone (HPB)-Releasing DNA Adducts in Human Exfoliated Oral Mucosa Cells by Liquid Chromatographyâ€“Electrospray Ionizationâ€“Tandem Mass Spectrometry. Chemical Research in Toxicology, 2013, 26, 37-45.	1.7	36
219	Metabolism of the carcinogen (3H)6-nitrochrysene in the preweanling mouse: identification of 6-aminochrysene-1, 2-dihydrodiol as the probable proximate carcinogenic metabolite. Carcinogenesis, 1988, 9, 1875-1884.	1.3	35
220	Comparative tumorigenicity of 6-nitrochrysene and its metabolites in newborn mice. Carcinogenesis, 1989, 10, 369-372.	1.3	35
221	A Schiff Base Is a Major DNA Adduct of Crotonaldehyde. Chemical Research in Toxicology, 2001, 14, 423-430.	1.7	35
222	Comparative metabolism of N-nitrosopiperidine and N-nitrosopyrrolidine by rat liver and esophageal microsomes and cytochrome P450 2A3. Carcinogenesis, 2003, 24, 291-300.	1.3	35
223	Replication-Coupled Repair of Crotonaldehyde/Acetaldehyde-Induced Guanineâ^'Guanine Interstrand Cross-Links and Their Mutagenicityâ€. Biochemistry, 2006, 45, 12898-12905.	1.2	35
224	Metabolism of the Tobacco-Specific Carcinogen 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone to Its Biomarker Total NNAL in Smokeless Tobacco Users. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 732-735.	1.1	35
225	Elevated Levels of Volatile Organic Carcinogen and Toxicant Biomarkers in Chinese Women Who Regularly Cook at Home. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 1185-1192.	1.1	35
226	Quantitation of a Minor Enantiomer of Phenanthrene Tetraol in Human Urine: Correlations with Levels of Overall Phenanthrene Tetraol, Benzo[a]pyrene Tetraol, and 1-Hydroxypyrene. Chemical Research in Toxicology, 2011, 24, 262-268.	1.7	35
227	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.	1.3	35
228	Tumor initiating activity of 5,11-dimethylchrysene and the structural requirements favoring carcinogenicity of methylated polynuclear aromatic hydrocarbons. Cancer Letters, 1979, 8, 65-70.	3.2	34
229	Safety and Efficacy of Weekly Oral Oltipraz in Chronic Smokers. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 892-899.	1.1	34
230	Urinary Metabolites of a Tobacco-Specific Lung Carcinogen in Nonsmoking Hospitality Workers. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 1283-1286.	1.1	34
231	Pilot study on lower nitrosamine smokeless tobacco products compared with medicinal nicotine. Nicotine and Tobacco Research, 2007, 9, 1309-1323.	1.4	34
232	The Impact of Clean Indoor Air Exemptions and Preemption Policies on the Prevalence of a Tobacco-Specific Lung Carcinogen Among Nonsmoking Bar and Restaurant Workers. American Journal of Public Health, 2007, 97, 1457-1463.	1.5	34
233	Tobacco smoke biomarkers and cancer risk among male smokers in the Shanghai Cohort Study. Cancer Letters, 2013, 334, 34-38.	3.2	34
234	Thirdhand Tobacco Smoke: A Tobacco-Specific Lung Carcinogen on Surfaces in Smokers' Homes. Nicotine and Tobacco Research, 2014, 16, 26-32.	1.4	34

#	Article	IF	Citations
235	Urinary 3,3â€²-Diindolylmethane: A Biomarker of Glucobrassicin Exposure and Indole-3-Carbinol Uptake in Humans. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 282-287.	1.1	34
236	Evidence Supporting Product Standards for Carcinogens in Smokeless Tobacco Products. Cancer Prevention Research, 2015, 8, 20-26.	0.7	34
237	Updated procedure for the safety evaluation of natural flavor complexes used as ingredients in food. Food and Chemical Toxicology, 2018, 113, 171-178.	1.8	34
238	FEMA GRAS assessment of natural flavor complexes: Citrus-derived flavoring ingredients. Food and Chemical Toxicology, 2019, 124, 192-218.	1.8	34
239	Metabolism of Nâ€² -nitrosonornicotine by cultured rat esophagus. Carcinogenesis, 1982, 3, 453-456.	1.3	33
240	Identification of Paraldol-Deoxyguanosine Adducts in DNA Reacted with Crotonaldehyde. Chemical Research in Toxicology, 2000, 13, 1065-1074.	1.7	33
241	Metabolism of Nâ€˜-Nitrosonornicotine Enantiomers by Cultured Rat Esophagus and in Vivo in Rats. Chemical Research in Toxicology, 2000, 13, 192-199.	1.7	33
242	Development of Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry Methods for Analysis of DNA Adducts of Formaldehyde and Their Application to Rats Treated with N-Nitrosodimethylamine or 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone. Chemical Research in Toxicology, 2007, 20, 1141-1148.	1.7	33
243	Inhibition of vinyl carbamate-induced pulmonary adenocarcinoma by indole-3-carbinol and myo-inositol in A/J mice. Carcinogenesis, 2010, 31, 239-245.	1.3	33
244	Tobacco carcinogen metabolites and DNA adducts as biomarkers in Head and Neck cancer: Potential screening tools and prognostic indicators. Head and Neck, 2012, 34, 441-447.	0.9	33
245	Effects of 6-Week Use of Very Low Nicotine Content Cigarettes in Smokers With Serious Mental Illness. Nicotine and Tobacco Research, 2019, 21, S38-S45.	1.4	33
246	Analysis of Acrolein-Derived 1,N²-Propanodeoxyguanosine Adducts in Human Lung DNA from Smokers and Nonsmokers. Chemical Research in Toxicology, 2019, 32, 318-325.	1.7	33
247	Cell specificity for the pulmonary metabolism of tobacco-specific nitrosamines in the Fischer rat. Carcinogenesis, 1989, 10, 2269-2274.	1.3	32
248	Synthesis and Properties of an Acetaldehyde-Derived Oligonucleotide Interstrand Cross-Link. Chemical Research in Toxicology, 2005, 18, 711-721.	1.7	32
249	Dose-Dependent Inhibition of Tobacco Smoke Carcinogenâ€“Induced Lung Tumorigenesis in A/J Mice by Indole-3-Carbinol. Cancer Prevention Research, 2008, 1, 568-576.	0.7	32
250	Detection and Quantitation ofNâ€²-Nitrosonornicotine in Human Toenails by Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 945-948.	1.1	32
251	Comprehensive High-Resolution Mass Spectrometric Analysis of DNA Phosphate Adducts Formed by the Tobacco-Specific Lung Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone. Chemical Research in Toxicology, 2015, 28, 2151-2159.	1.7	32
252	The safety evaluation of food flavoring substances: the role of genotoxicity studies. Critical Reviews in Toxicology, 2020, 50, 1-27.	1.9	32

#	Article	IF	Citations
253	Analysis of Total 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol in Smokers' Blood. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 2669-2672.	1.1	31
254	Smoking and lung cancer--a new role for an old toxicant?. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15725-15726.	3.3	31
255	Analysis of r-7,t-8,9,c-10-Tetrahydroxy-7,8,9,10-tetrahydrobenzo[a]pyrene in Human Urine: A Biomarker for Directly Assessing Carcinogenic Polycyclic Aromatic Hydrocarbon Exposure Plus Metabolic Activation. Chemical Research in Toxicology, 2011, 24, 73-80.	1.7	31
256	Effect of Oral Snus and Medicinal Nicotine in Smokers on Toxicant Exposure and Withdrawal Symptoms: A Feasibility Study. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 91-100.	1.1	31
257	Exposure to different sources of second-hand smoke during pregnancy and its effect on urinary cotinine and tobacco-specific nitrosamine (NNAL) concentrations. Tobacco Control, 2013, 22, 194-200.	1.8	31
258	Benzene Uptake in Hookah Smokers and Non-smokers Attending Hookah Social Events: Regulatory Implications. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 2793-2809.	1.1	31
259	Potential Contributions of the Tobacco Nicotine-Derived Nitrosamine Ketone (NNK) in the Pathogenesis of Steatohepatitis in a Chronic Plus Binge Rat Model of Alcoholic Liver Disease. Alcohol and Alcoholism, 2015, 50, 118-131.	0.9	31
260	Î±-Hydroxylation of N-nitrosopyrrolidine and Nâ€²-nitrosonornicotine by human liver microsomes. Cancer Letters, 1979, 8, 35-41.	3.2	30
261	Reactions of Î±-Acetoxy-N-nitrosopyrrolidine with Deoxyguanosine and DNA. Chemical Research in Toxicology, 2001, 14, 1435-1445.	1.7	30
262	Identification of Adducts Produced by the Reaction of 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanol with Deoxyguanosine and DNA. Chemical Research in Toxicology, 2003, 16, 180-190.	1.7	30
263	Formation of Formaldehyde Adducts in the Reactions of DNA and Deoxyribonucleosides with Î±-Acetates of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK), 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL), and N-Nitrosodimethylamine (NDMA). Chemical Research in Toxicology, 2008, 21, 746-751.	1.7	30
264	Oral Cell DNA Adducts as Potential Biomarkers for Lung Cancer Susceptibility in Cigarette Smokers. Chemical Research in Toxicology, 2017, 30, 367-375.	1.7	30
265	High Level of Tobacco Carcinogenâ€“Derived DNA Damage in Oral Cells Is an Independent Predictor of Oral/Head and Neck Cancer Risk in Smokers. Cancer Prevention Research, 2017, 10, 507-513.	0.7	30
266	Tobacco-Specific Nitrosamines (NNAL, NNN, NAT, and NAB) Exposures in the US Population Assessment of Tobacco and Health (PATH) Study Wave 1 (2013â€“2014). Nicotine and Tobacco Research, 2021, 23, 573-583.	1.4	30
267	Comparative carcinogenicity in F344 rats and Syrian golden hamsters of Nâ€²-nitrosonornicotine and Nâ€²-nitrosonornicotine-1-N-oxide. Cancer Letters, 1983, 20, 333-340.	3.2	29
268	Formation of acyclic and cyclic guanine adducts in DNA reacted with .alpha.-acetoxy-N-nitrosopyrrolidine. Chemical Research in Toxicology, 1989, 2, 423-428.	1.7	29
269	Formation of N2-Tetrahydrofuranyl and N2-Tetrahydropyranyl Adducts in the Reactions of .alpha.-Acetoxy-N-nitrosopyrrolidine and .alpha.-Acetoxy-N-nitrosopiperidine with DNA. Chemical Research in Toxicology, 1995, 8, 617-624.	1.7	29
270	Relationship of Human Toenail Nicotine, Cotinine, and 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol to Levels of These Biomarkers in Plasma and Urine. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 1382-1386.	1.1	29

#	Article	IF	Citations
271	Tobacco Smoke Exposure in Nonsmoking Hospitality Workers before and after a State Smoking Ban. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 1016-1021.	1.1	29
272	Levels of (S)-N'-Nitrosonornicotine in U.S. Tobacco Products. Nicotine and Tobacco Research, 2013, 15, 1305-1310.	1.4	29
273	Kava Blocks 4-(Methylnitrosamino)-1-(3-pyridyl)-1-Butanoneâ€“Induced Lung Tumorigenesis in Association with Reducing O6-methylguanine DNA Adduct in A/J Mice. Cancer Prevention Research, 2014, 7, 86-96.	0.7	29
274	A study of chemical carcinogenesis: Comparative carcinogenicity of 5-methylchrysene, benzo(a)pyrene, and modified chrysenes. Cancer Letters, 1975, 1, 147-153.	3.2	28
275	Comparative carcinogenicity of o-toluidine hydrochloride and o-nitrosotoluene in F-344 rats. Cancer Letters, 1982, 16, 103-108.	3.2	28
276	Stereoselective Metabolism of Nicotine and Tobacco-SpecificN-Nitrosamines to 4-Hydroxy-4-(3-pyridyl)butanoic Acid in Rats. Chemical Research in Toxicology, 1999, 12, 164-171.	1.7	28
277	Liquid Chromatographyâ€“Electrospray Ionization Tandem Mass Spectrometry Analysis of 7-Ethylguanine in Human Liver DNA. Chemical Research in Toxicology, 2007, 20, 1498-1502.	1.7	28
278	Mitochondrial DNA Adducts in the Lung and Liver of F344 Rats Chronically Treated with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and (S)-4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. Chemical Research in Toxicology, 2009, 22, 406-414.	1.7	28
279	Quantitation of Pyridyloxobutyl DNA Adducts in Nasal and Oral Mucosa of Rats Treated Chronically with Enantiomers of Nâ€²-Nitrosonornicotine. Chemical Research in Toxicology, 2009, 22, 949-956.	1.7	28
280	Temporal stability of urinary and plasma biomarkers of tobacco smoke exposure among cigarette smokers. Biomarkers, 2010, 15, 345-352.	0.9	28
281	Effects of ortho-methyl substituents on the mutagenicity of aminobiphenyls and aminonaphthalenes. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1981, 90, 345-354.	1.2	27
282	Investigations of metabolic precursors to hemoglobin and DNA adducts of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Carcinogenesis, 1990, 11, 1329-1333.	1.3	27
283	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.	1.7	27
284	Berry Ellagitannins May Not Be Sufficient for Prevention of Tumors in the Rodent Esophagus. Journal of Agricultural and Food Chemistry, 2010, 58, 3992-3995.	2.4	27
285	Lung Tumorigenesis Suppressing Effects of a Commercial Kava Extract and Its Selected Compounds in A/J Mice. The American Journal of Chinese Medicine, 2011, 39, 727-742.	1.5	27
286	Quantitation of 7-Ethylguanine in Leukocyte DNA from Smokers and Nonsmokers by Liquid Chromatographyâ€“Nanoelectrospray-High Resolution Tandem Mass Spectrometry. Chemical Research in Toxicology, 2011, 24, 1729-1734.	1.7	27
287	The ratio of a urinary tobacco-specific lung carcinogen metabolite to cotinine is significantly higher in passive than in active smokers. Biomarkers, 2011, 16, 491-497.	0.9	27
288	Metabolism of [D₁₀]Phenanthrene to Tetraols in Smokers for Potential Lung Cancer Susceptibility Assessment: Comparison of Oral and Inhalation Routes of Administration. Journal of Pharmacology and Experimental Therapeutics, 2011, 338, 353-361.	1.3	27

#	Article	IF	Citations
289	The safety evaluation of food flavouring substances: the role of metabolic studies. Toxicology Research, 2018, 7, 618-646.	0.9	27
290	Kinetics of Nornicotine and Anabasine Nitrosation in Relation to N â€²-Nitrosonornicotine Occurrence in Tobacco and to Tobacco-Induced Cancer 2. Journal of the National Cancer Institute, 1977, 59, 1211-1213.	3.0	26
291	Formation of the cyclic 1,N2-glyoxal-deoxyguanosine adduct upon reaction of N-nitroso-2-hydroxymorpholine with deoxyguanosine. Carcinogenesis, 1985, 6, 1671-1673.	1.3	26
292	A Cyclic N7,C-8 Guanine Adduct ofN-Nitrosopyrrolidine (NPYR):Â Formation in Nucleic Acids and Excretion in the Urine of NPYR-Treated Rats. Chemical Research in Toxicology, 1997, 10, 772-778.	1.7	26
293	Uptake of the Tobacco-Specific Lung Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-Butanone by Moldovan Children. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 7-11.	1.1	26
294	N-Nitrosamines: Environmental occurrence, in vivo formation and metabolism. Journal of Toxicology: Clinical Toxicology, 1982, 19, 661-688.	1.5	25
295	Effects of the co-carcinogen catechol on benzo[a]pyrene metabolism and DNA adduct formation in mouse skin. Carcinogenesis, 1986, 7, 9-15.	1.3	25
296	Formation and tumorigenicity of benzo[b]fluoranthene metabolites in mouse epidermis. Carcinogenesis, 1987, 8, 1579-1584.	1.3	25
297	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.	1.7	25
298	Stereoselective metabolism and tissue retention in rats of the individual enantiomers of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL), metabolites of the tobacco-specific nitrosamine, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK). Carcinogenesis, 2004, 25, 1237-1242.	1.3	25
299	Detection of Cotinine in Newborn Dried Blood Spots. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 1902-1905.	1.1	25
300	Exposure to the carcinogen 4â€(methylnitrosamino)â€1â€(3â€pyridyl)â€1â€butanone (NNK) in smokers from 3 populations with different risks of lung cancer. International Journal of Cancer, 2009, 125, 2418-2424.	2.3	25
301	The sphingolipid degradation product trans-2-hexadecenal forms adducts with DNA. Biochemical and Biophysical Research Communications, 2012, 424, 18-21.	1.0	25
302	Combined analysis of Nâ€²-nitrosonornicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol in the urine of cigarette smokers and e-cigarette users. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1007, 121-126.	1.2	25
303	Tobaccoâ€specific Nâ€nitrosamines and polycyclic aromatic hydrocarbons in cigarettes smoked by the participants of the Shanghai Cohort Study. International Journal of Cancer, 2016, 139, 1261-1269.	2.3	25
304	Dose-dependent detoxication of the airborne pollutant benzene in a randomized trial of broccoli sprout beverage in Qidong, China. American Journal of Clinical Nutrition, 2019, 110, 675-684.	2.2	25
305	A comparison of urinary biomarkers of tobacco and carcinogen exposure in smokers. Cancer Epidemiology Biomarkers and Prevention, 2004, 13, 1617-23.	1.1	25
306	Mutagenicity, metabolism and DNA adduct formation of 6-nitrochrysene in Salmonella lyphimurium. Mutagenesis, 1989, 4, 235-240.	1.0	24

#	Article	IF	Citations
307	Endogenous Formation ofNâ€¯-Nitrosonornicotine in F344 Rats in the Presence of Some Antioxidants and Grape Seed Extract. Journal of Agricultural and Food Chemistry, 2007, 55, 7199-7204.	2.4	24
308	2-Phenethyl Isothiocyanate, Glutathione S-transferase M1 and T1 Polymorphisms, and Detoxification of Volatile Organic Carcinogens and Toxicants in Tobacco Smoke. Cancer Prevention Research, 2016, 9, 598-606.	0.7	24
309	DNA Adduct Formation from Metabolic 5â€²-Hydroxylation of the Tobacco-Specific Carcinogen Nâ€²-Nitrosonornicotine in Human Enzyme Systems and in Rats. Chemical Research in Toxicology, 2016, 29, 380-389.	1.7	24
310	Identification of more than 100 structurally unique DNA-phosphate adducts formed during rat lung carcinogenesis by the tobacco-specific nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Carcinogenesis, 2018, 39, 232-241.	1.3	24
311	Metabolism and DNA Adduct Formation of Tobacco-Specific N-Nitrosamines. International Journal of Molecular Sciences, 2022, 23, 5109.	1.8	24
312	Effects of fluorine substitution on the tumor initiating activity and metabolism of 5-hydroxymethylchrysene, a tumorigenic metabolite of 5-methylchrysene. Carcinogenesis, 1981, 2, 1027-1032.	1.3	23
313	Identification of metabolites of benzo[b]fluoranthene. Carcinogenesis, 1982, 3, 171-174.	1.3	23
314	On the analysis of 1-nitronaphthalene, 1-nitropyrene and 6-nitrochrysene in cigarette smoke. Carcinogenesis, 1985, 6, 505-507.	1.3	23
315	A study of chemical carcinogenesis. 91. Reactions with deoxyguanosine of 4-(carbethoxynitrosamino)-1-(3-pyridyl)-1-butanone, a model compound for .alpha.-hydroxylation of tobacco-specific nitrosamines. Journal of the American Chemical Society, 1986, 108, 1292-1295.	6.6	23
316	Chromatographic conditions for separation phosphates of 32P-labeled phosphates of major polynuclear aromatic hydrocarbonâ€"deoxyribonucleoside adducts. Carcinogenesis, 1989, 10, 1971-1974.	1.3	23
317	Metabolism and Pharmacokinetics ofNâ€²-Nitrosonornicotine in the Patas Monkey. Drug Metabolism and Disposition, 2002, 30, 1115-1122.	1.7	23
318	Combined Analysis of r-1,t-2,3,c-4-Tetrahydroxy-1,2,3,4-Tetrahydrophenanthrene and 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol in Smokers' Plasma. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 1490-1494.	1.1	23
319	Metabolites of the Polycyclic Aromatic Hydrocarbon Phenanthrene in the Urine of Cigarette Smokers from Five Ethnic Groups with Differing Risks for Lung Cancer. PLoS ONE, 2016, 11, e0156203.	1.1	23
320	Acrolein Exposure in Hookah Smokers and Non-Smokers Exposed to Hookah Tobacco Secondhand Smoke: Implications for Regulating Hookah Tobacco Products. Nicotine and Tobacco Research, 2018, 20, 492-501.	1.4	23
321	FEMA GRAS assessment of natural flavor complexes: Mint, buchu, dill and caraway derived flavoring ingredients. Food and Chemical Toxicology, 2020, 135, 110870.	1.8	23
322	FEMA GRAS assessment of natural flavor complexes: Clove, cinnamon leaf and West Indian bay leaf-derived flavoring ingredients. Food and Chemical Toxicology, 2020, 145, 111585.	1.8	23
323	[44] Tobacco-specific nitrosamine-hemoglobin adducts. Methods in Enzymology, 1994, 231, 657-667.	0.4	22
324	Lactols in Hydrolysates of DNA Treated with Î±-Acetoxy-N-nitrosopyrrolidine or Crotonaldehyde. Chemical Research in Toxicology, 1998, 11, 1567-1573.	1.7	22

#	Article	IF	Citations
325	The Association of a Tobacco-Specific Biomarker and Cigarette Consumption and Its Dependence on Host Characteristics. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 1852-1857.	1.1	22
326	Chemopreventive agents modulate the protein expression profile of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone plus benzo[a]pyrene-induced lung tumors in A/J mice. Carcinogenesis, 2007, 29, 610-619.	1.3	22
327	Analysis and Identification of 2â€²-Deoxyadenosine-Derived Adducts in Lung and Liver DNA of F-344 Rats Treated with the Tobacco-Specific Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. Chemical Research in Toxicology, 2018, 31, 358-370.	1.7	22
328	Relationship of the oxidative damage biomarker 8-epi-prostaglandin F2Î± to risk of lung cancer development in the Shanghai Cohort Study. Carcinogenesis, 2018, 39, 948-954.	1.3	22
329	High-performance liquid chromatographic analysis of metabolites of the nicotine-derived nitrosamines, Nâ€²-nitrosonornicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Analytical Biochemistry, 1985, 145, 239-244.	1.1	21
330	A/J Mouse Lung Tumorigenesis by the Tobacco-Specific Nitrosamine 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Its Inhibition by Arylalkyl Isothiocyanates. Experimental Lung Research, 1991, 17, 501-511.	0.5	21
331	Evidence that a hemoglobin adduct of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone is a 4-(3-pyridyl)-4-oxobutyl carboxylic acid ester. Chemical Research in Toxicology, 1992, 5, 76-80.	1.7	21
332	Reactions of 2,6-Dimethyl-1,3-dioxane-4-ol (Aldoxane) with Deoxyguanosine and DNA. Chemical Research in Toxicology, 2001, 14, 1025-1032.	1.7	21
333	Analysis of Tobacco-Specific Nitrosamines in Moldovan Cigarette Tobacco. Journal of Agricultural and Food Chemistry, 2002, 50, 2793-2797.	2.4	21
334	Exposure to nicotine and a tobacco-specific carcinogen increase with duration of use of smokeless tobacco. Tobacco Control, 2008, 17, 128-131.	1.8	21
335	Evaluation of Nitrosamide Formation in the Cytochrome P450-Mediated Metabolism of Tobacco-Specific Nitrosamines. Chemical Research in Toxicology, 2016, 29, 2194-2205.	1.7	21
336	Analysis of phenanthrols in human urine by gas chromatography-mass spectrometry: potential use in carcinogen metabolite phenotyping. Cancer Epidemiology Biomarkers and Prevention, 2004, 13, 2167-74.	1.1	21
337	Smokeless tobacco topography and toxin exposure. Nicotine and Tobacco Research, 2005, 7, 469-474.	1.4	20
338	Combinations of N-Acetyl-S-(N-2-Phenethylthiocarbamoyl)-<scp>L</scp>-Cysteine and myo-Inositol Inhibit Tobacco Carcinogenâ€“Induced Lung Adenocarcinoma in Mice. Cancer Prevention Research, 2008, 1, 285-297.	0.7	20
339	Detection of 7-(2â€²-Carboxyethyl)guanine but Not 7-Carboxymethylguanine in Human Liver DNA. Chemical Research in Toxicology, 2010, 23, 1089-1096.	1.7	20
340	Increased Pouch Sizes and Resulting Changes in the Amounts of Nicotine and Tobacco-Specific N-Nitrosamines in Single Pouches of Camel Snus and Marlboro Snus. Nicotine and Tobacco Research, 2012, 14, 1241-1245.	1.4	20
341	Longitudinal stability in cigarette smokers of urinary biomarkers of exposure to the toxicants acrylonitrile and acrolein. PLoS ONE, 2019, 14, e0210104.	1.1	20
342	Quantitative Liquid Chromatographyâ€“Nanoelectrospray Ionizationâ€“High-Resolution Tandem Mass Spectrometry Analysis of Acrolein-DNA Adducts and Etheno-DNA Adducts in Oral Cells from Cigarette Smokers and Nonsmokers. Chemical Research in Toxicology, 2020, 33, 2197-2207.	1.7	20

#	Article	IF	Citations
343	Benzene Uptake and Glutathione S-transferase T1 Status as Determinants of S-Phenylmercapturic Acid in Cigarette Smokers in the Multiethnic Cohort. PLoS ONE, 2016, 11, e0150641.	1.1	20
344	Metabolites of a tobacco-specific lung carcinogen in nonsmoking casino patrons. Cancer Epidemiology Biomarkers and Prevention, 2003, 12, 1544-6.	1.1	20
345	Effects of cruciferous vegetable consumption on urinary metabolites of the tobacco-specific lung carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in singapore chinese. Cancer Epidemiology Biomarkers and Prevention, 2004, 13, 997-1004.	1.1	20
346	Effects of Î±-deuterium substitution on the tumorigenicity of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in F344 rats. Carcinogenesis, 1987, 8, 291-294.	1.3	19
347	Clues to the Etiology of Childhood Brain Cancer: N-Nitroso Compounds, Polyomaviruses, and Other Factors of Interest. Cancer Investigation, 2001, 19, 630-640.	0.6	19
348	A Urinary Metabolite of Phenanthrene as a Biomarker of Polycyclic Aromatic Hydrocarbon Metabolic Activation in Workers Exposed to Residual Oil Fly Ash. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 687-692.	1.1	19
349	A biomarker of exposure to environmental tobacco smoke (ETS) and Ernst Wynder's opinion about ETS and lung cancer. Preventive Medicine, 2006, 43, 256-260.	1.6	19
350	GRASr2 Evaluation of Aliphatic Acyclic and Alicyclic Terpenoid Tertiary Alcohols and Structurally Related Substances Used as Flavoring Ingredients. Journal of Food Science, 2014, 79, R428-41.	1.5	19
351	Cigarette Smokers Versus Cousers of Cannabis and Cigarettes: Exposure to Toxicants. Nicotine and Tobacco Research, 2020, 22, 1383-1389.	1.4	19
352	Identification of Adducts Formed in the Reaction of 5â€˜-Acetoxy-Nâ€˜-Nitrosonornicotine with Deoxyguanosine and DNA. Chemical Research in Toxicology, 2006, 19, 426-435.	1.7	18
353	Analysis of phenanthrene diol epoxide mercapturic acid detoxification products in human urine: relevance to molecular epidemiology studies of glutathione S -transferase polymorphisms. Carcinogenesis, 2008, 29, 937-943.	1.3	18
354	Genetic variability in the metabolism of the tobaccoâ€specific nitrosamine 4â€(methylnitrosamino)â€1â€(3â€pyridyl)â€1â€butanone (NNK) to 4â€(methylnitrosamino)â€1â€(3â€pyridyl)â€2â€butanol (NNAL). International Journal of Cancer, 2012, 130, 1338-1346.	1.8	18
355	Analysis of O⁶-[4-(3-Pyridyl)-4-oxobut-1-yl]-2â€²-deoxyguanosine and Other DNA Adducts in Rats Treated with Enantiomeric or Racemic Nâ€²-Nitrosonornicotine. Chemical Research in Toxicology, 2016, 29, 87-95.	1.7	18
356	Biomarkers of Exposure among Adult Smokeless Tobacco Users in the Population Assessment of Tobacco and Health Study (Wave 1, 2013â€“2014). Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 659-667.	1.1	18
357	Effects of reduced cigarette smoking on levels of 1-hydroxypyrene in urine. Cancer Epidemiology Biomarkers and Prevention, 2004, 13, 834-42.	1.1	18
358	Regiospecificity in the metabolism of the homologous cyclic nitrosamines, Nâ€² -nitrosonornicotine and Nâ€² -nitrosoanabasine. Carcinogenesis, 1982, 3, 1195-1199.	1.3	17
359	N-Nitroso-2-hydroxymorpholine, a mutagenic metabolite of N-nitrosodiethanolamine. Carcinogenesis, 1984, 5, 1745-1747.	1.3	17
360	Mutagenicity and tumor initiating activity of methylated benzo[b]fluoranthenes. Carcinogenesis, 1985, 6, 1023-1025.	1.3	17

#	Article	IF	Citations
361	The effect of chronic ethanol consumption on the tumorigenicity of N-nitrosopyrrolidine in male Syrian golden hamsters. Cancer Letters, 1986, 33, 151-159.	3.2	17
362	Mutagenicity of K-region derivatives of 1-nitropyrene; remarkable activity of 1- and 3-nitro-5H-phenanthro[4,5-bcd]pyran-5-one. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1986, 170, 31-40.	1.2	17
363	Preferential Metabolic Activation of N-Nitrosopiperidine as Compared to Its Structural Homologue N-Nitrosopyrrolidine by Rat Nasal Mucosal Microsomes. Chemical Research in Toxicology, 2003, 16, 1298-1305.	1.7	17
364	Identification of Adducts Formed in the Reactions of 5â€²-Acetoxy-Nâ€²-nitrosonornicotine with Deoxyadenosine, Thymidine, and DNA. Chemical Research in Toxicology, 2008, 21, 2164-2171.	1.7	17
365	Elevated Levels of Mercapturic Acids of Acrolein and Crotonaldehyde in the Urine of Chinese Women in Singapore Who Regularly Cook at Home. PLoS ONE, 2015, 10, e0120023.	1.1	17
366	Pilot in Vivo Structureâ€“Activity Relationship of Dihydromethysticin in Blocking 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone-Induced O⁶-Methylguanine and Lung Tumor in A/J Mice. Journal of Medicinal Chemistry, 2017, 60, 7935-7940.	2.9	17
367	Safety evaluation of substituted thiophenes used as flavoring ingredients. Food and Chemical Toxicology, 2017, 99, 40-59.	1.8	17
368	Effects of cessation of cigarette smoking on eicosanoid biomarkers of inflammation and oxidative damage. PLoS ONE, 2019, 14, e0218386.	1.1	17
369	FEMA GRAS assessment of natural flavor complexes: Cinnamomum and Myroxylon-derived flavoring ingredients. Food and Chemical Toxicology, 2020, 135, 110949.	1.8	17
370	Relationships between the Nicotine Metabolite Ratio and a Panel of Exposure and Effect Biomarkers: Findings from Two Studies of U.S. Commercial Cigarette Smokers. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 871-879.	1.1	17
371	Identification of 4-(methylnitrosamino)-1-[3-(6-hydroxy)pyridyl]-1-butanone as a urinary metabolite of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in rodents. Chemical Research in Toxicology, 1993, 6, 794-799.	1.7	16
372	Preferential Glutathione Conjugation of a Reverse Diol Epoxide Compared with a Bay Region Diol Epoxide of Benzo[a]pyrene in Human Hepatocytes. Drug Metabolism and Disposition, 2010, 38, 1397-1402.	1.7	16
373	Combined Analysis of the Tobacco Metabolites Cotinine and 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol in Human Urine. Analytical Chemistry, 2015, 87, 1514-1517.	3.2	16
374	Methyl DNA Phosphate Adduct Formation in Rats Treated Chronically with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of Its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. Chemical Research in Toxicology, 2018, 31, 48-57.	1.7	16
375	Tobacco Smoke Carcinogens and Lung Cancer. , 2011, , 53-74.		16
376	Improved method for determination of 1-hydroxypyrene in human urine. Cancer Epidemiology Biomarkers and Prevention, 2004, 13, 1261-4.	1.1	16
377	Increased acroleinâ€“DNA adducts in buccal brushings of e-cigarette users. Carcinogenesis, 2022, 43, 437-444.	1.3	16
378	Quantitation ofN-Acetyl-S-(9,10-dihydro-9-hydroxy-10-phenanthryl)-l-cysteine in Human Urine:Â Comparison with Glutathione-S-transferase Genotypes in Smokers. Chemical Research in Toxicology, 2006, 19, 1234-1240.	1.7	15

#	Article	IF	Citations
379	Identification of Adducts Formed in the Reaction of Î±-Acetoxy-N-nitrosopyrrolidine with Deoxyribonucleosides and DNA. Chemical Research in Toxicology, 2007, 20, 625-633.	1.7	15
380	Phenanthrene Metabolism in Smokers: Use of a Two-Step Diagnostic Plot Approach to Identify Subjects with Extensive Metabolic Activation. Journal of Pharmacology and Experimental Therapeutics, 2012, 342, 750-760.	1.3	15
381	Exposure to Nicotine and Toxicants Among Dual Users of Tobacco Cigarettes and E-Cigarettes: Population Assessment of Tobacco and Health (PATH) Study, 2013â€“2014. Nicotine and Tobacco Research, 2021, 23, 790-797.	1.4	15
382	Changes in Biomarkers of Tobacco Exposure among Cigarette Smokers Transitioning to ENDS Use: The Population Assessment of Tobacco and Health Study, 2013â€“2015. International Journal of Environmental Research and Public Health, 2022, 19, 1462.	1.2	15
383	Synthesis of 6-methylchrysene-l,2-diol-3,4-epoxides and comparison of their mutagenicity to 5-methylchrysene-l,2-diol-3,4-epoxides. Carcinogenesis, 1986, 7, 2067-2070.	1.3	14
384	Approaches to Chemoprevention of Lung Cancer Based on Carcinogens in Tobacco Smoke. Environmental Health Perspectives, 1997, 105, 955.	2.8	14
385	Smokeless tobacco reduction: Preliminary study of tobacco-free snuff versus no snuff. Nicotine and Tobacco Research, 2008, 10, 77-85.	1.4	14
386	Dietary Dihydromethysticin Increases Glucuronidation of 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol in A/J Mice, Potentially Enhancing Its Detoxification. Drug Metabolism and Disposition, 2016, 44, 422-427.	1.7	14
387	Pyridylhydroxybutyl and pyridyloxobutyl DNA phosphate adduct formation in rats treated chronically with enantiomers of the tobacco-specific nitrosamine metabolite 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol. Mutagenesis, 2017, 32, 561-570.	1.0	14
388	FEMA GRAS assessment of natural flavor complexes: Lavender, Guaiac Coriander-derived and related flavoring ingredients. Food and Chemical Toxicology, 2020, 145, 111584.	1.8	14
389	Differences in exposure to toxic and/or carcinogenic volatile organic compounds between Black and White cigarette smokers. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 211-223.	1.8	14
390	Synthesis and mutagenicity of 5-alkyl-substituted chrysene-1,2-diol-3,4-epoxides. Carcinogenesis, 1988, 9, 2305-2308.	1.3	13
391	Formation of 7-(4-oxobutyl)guanine in hepatic DNA of rats treated with N-nitrosopyrrolidine. Carcinogenesis, 1992, 13, 1909-1911.	1.3	13
392	Metabolically Activated Carcinogens and Mutations in the p53 Tumor Suppressor Gene in Lung Cancer. Journal of the National Cancer Institute, 2000, 92, 782-783.	3.0	13
393	Preparation of Pyridine-N-glucuronides of Tobacco-Specific Nitrosamines. Chemical Research in Toxicology, 2001, 14, 555-561.	1.7	13
394	Effect of cigarette smoking on urinary 2-hydroxypropylmercapturic acid, a metabolite of propylene oxide. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 953-954, 126-131.	1.2	13
395	Selfâ€reported Tobacco use does not correlate with carcinogen exposure in smokers with head and neck cancer. Laryngoscope, 2015, 125, 1844-1848.	1.1	13
396	Benzene oxide is a substrate for glutathione S-transferases. Chemico-Biological Interactions, 2015, 242, 390-395.	1.7	13

#	Article	IF	Citations
397	Bioassay for carcinogenicity of 3,2â€²-dimethyl-4-nitrosobiphenyl, O-nitrosotoluene, nitrosobenzene and the corresponding amines in Syrian golden hamsters. Cancer Letters, 1983, 20, 349-354.	3.2	12
398	Synthesis of K-region derivatives of the carcinogen 1-nitropyrene. Carcinogenesis, 1986, 7, 1577-1580.	1.3	12
399	Comparative mutagenicity of 4-(carbethoxynitrosamino)-4-(3-pyridyl)butanal and 4-(carbethoxynitrosamino)-1-(3-pyridy1)-1-butanone, model compounds for Î±-hydroxylation of N'-nitrosonornicotine. Carcinogenesis, 1986, 7, 611-614.	1.3	12
400	Distribution and metabolism of N'-nitrosonornicotine in the miniature pig. Carcinogenesis, 1987, 8, 1741-1747.	1.3	12
401	Synthesis of Stereospecifically Deuterated 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) Diastereomers and Metabolism by A/J Mouse Lung Microsomes and Cytochrome P450 2A5. Chemical Research in Toxicology, 2003, 16, 782-793.	1.7	12
402	Analysis of Adducts in Hepatic DNA of Rats Treated with N-Nitrosopyrrolidine. Chemical Research in Toxicology, 2007, 20, 634-640.	1.7	12
403	Preferential Glutathione Conjugation of a Reverse Diol Epoxide Compared to a Bay Region Diol Epoxide of Phenanthrene in Human Hepatocytes: Relevance to Molecular Epidemiology Studies of Glutathione-S-Transferase Polymorphisms and Cancer. Chemical Research in Toxicology, 2009, 22, 426-432.	1.7	12
404	Abstinence and Relapse Rates Following a College Campus-Based Quit & Win Contest. Journal of American College Health, 2010, 58, 365-372.	0.8	12
405	Associations Between Genetic Ancestries and Nicotine Metabolism Biomarkers in the Multiethnic Cohort Study. American Journal of Epidemiology, 2015, 182, 945-951.	1.6	12
406	Analysis of N â€²-nitrosonornicotine enantiomers in human urine by chiral stationary phase liquid chromatographyâ€“nanoelectrospray ionizationâ€“high resolution tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1044-1045, 127-131.	1.2	12
407	Prediagnostic levels of urinary 8-epi-prostaglandin F2Î± and prostaglandin E2 metabolite, biomarkers of oxidative damage and inflammation, and risk of hepatocellular carcinoma. Carcinogenesis, 2019, 40, 989-997.	1.3	12
408	Oral Dosing of Dihydromethysticin Ahead of Tobacco Carcinogen NNK Effectively Prevents Lung Tumorigenesis in A/J Mice. Chemical Research in Toxicology, 2020, 33, 1980-1988.	1.7	12
409	Urinary Cyanoethyl Mercapturic Acid, a Biomarker of the Smoke Toxicant Acrylonitrile, Clearly Distinguishes Smokers From Nonsmokers. Nicotine and Tobacco Research, 2020, 22, 1744-1747.	1.4	12
410	Resolution and Quantitation of Mercapturic Acids Derived from Crotonaldehyde, Methacrolein, and Methyl Vinyl Ketone in the Urine of Smokers and Nonsmokers. Chemical Research in Toxicology, 2020, 33, 669-677.	1.7	12
411	FEMA GRAS assessment of natural flavor complexes: Eucalyptus oil and other cyclic ether-containing flavoring ingredients. Food and Chemical Toxicology, 2021, 155, 112357.	1.8	12
412	Interaction of CYP1B1, cigarette-smoke carcinogen metabolism, and lung cancer risk. International Journal of Molecular Epidemiology and Genetics, 2010, 1, 295-309.	0.4	12
413	Liquid Chromatography-Nanoelectrospray Ionization-High-Resolution Tandem Mass Spectrometry Analysis of Apurinic/Apyrimidinic Sites in Oral Cell DNA of Cigarette Smokers, e-Cigarette Users, and Nonsmokers. Chemical Research in Toxicology, 2021, 34, 2540-2548.	1.7	12
414	Effects of catechol on the induction of tumors in mouse skin by 7,8-dihydroxy-7,8-dihydrobenzo[a] pyrenes. Carcinogenesis, 1989, 10, 1897-1900.	1.3	11

#	Article	IF	Citations
415	Preliminary study on reducing oral moist snuff use. Drug and Alcohol Dependence, 2003, 70, 215-220.	1.6	11
416	Comparative Analysis of Tobacco-Specific Nitrosamines and TotalN-Nitroso Compounds in Moldovan Cigarette Tobacco. Journal of Agricultural and Food Chemistry, 2005, 53, 8082-8086.	2.4	11
417	Longitudinal study of [D₁₀]phenanthrene metabolism by the diol epoxide pathway in smokers. Biomarkers, 2013, 18, 144-150.	0.9	11
418	Quantitation of enantiomers of r-7,t-8,9,c-10-tetrahydroxy-7,8,9,10-tetrahydrobenzo[a]-pyrene in human urine: evidence supporting metabolic activation of benzo[a]pyrene via the bay region diol epoxide. Mutagenesis, 2014, 29, 351-356.	1.0	11
419	Identification of 4-(3-Pyridyl)-4-oxobutyl-2â€²-deoxycytidine Adducts Formed in the Reaction of DNA with 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone: A Chemically Activated Form of Tobacco-Specific Carcinogens. ACS Omega, 2017, 2, 1180-1190.	1.6	11
420	Mass Spectrometric Quantitation of Pyridyloxobutyl DNA Phosphate Adducts in Rats Chronically Treated with Nâ€²-Nitrosonornicotine. Chemical Research in Toxicology, 2019, 32, 773-783.	1.7	11
421	Harmonization of acronyms for volatile organic compound metabolites using a standardized naming system. International Journal of Hygiene and Environmental Health, 2021, 235, 113749.	2.1	11
422	Chemoprevention by Isothiocyanates. , 2004, , 21-35.		11
423	N-Nitroso(2-hydroxyethyl)glycine, a urinary metabolite of N,N-dinitrosopiperazine with potential utility as a monitor for its formation in vivo from piperazine. Carcinogenesis, 1984, 5, 979-981.	1.3	10
424	Mutagenicity and tumor initiating activity of methylated benzo[k]fluoranthenes. Cancer Letters, 1985, 26, 343-347.	3.2	10
425	Carcinogenicity of Tobacco-Specific N-Nitrosamines (TSNA): The Role of the Vascular Network in the Selection of Target Organs. Critical Reviews in Toxicology, 1991, 21, 255-264.	1.9	10
426	Urinary biomarkers to assess exposure of cats to environmental tobacco smoke. American Journal of Veterinary Research, 2007, 68, 349-353.	0.3	10
427	Investigation of the Reaction of Myosmine with Sodium Nitrite in Vitro and in Rats. Chemical Research in Toxicology, 2007, 20, 543-549.	1.7	10
428	Deoxygenated phosphorothioate inositol phosphate analogs: Synthesis, phosphatase stability, and binding affinity. Bioorganic and Medicinal Chemistry, 2008, 16, 3419-3427.	1.4	10
429	Major tobacco companies have technology to reduce carcinogen levels but do not apply it to popular smokeless tobacco products. Tobacco Control, 2011, 20, 443-443.	1.8	10
430	More than 500 trillion molecules of strong carcinogens per cigarette: use in product labelling?. Tobacco Control, 2011, 20, 387-387.	1.8	10
431	Elevated levels of 1â€hydroxypyrene and Nâ€²â€nitrosonornicotine in smokers with head and neck cancer: A matched control study. Head and Neck, 2013, 35, 1096-1100.	0.9	10
432	Clinical and Biochemical Studies Support Smokeless Tobacco's Carcinogenic Potential in the Human Oral Cavity. Cancer Prevention Research, 2014, 7, 23-32.	0.7	10

#	Article	IF	Citations
433	Longitudinal stability in cigarette smokers of urinary eicosanoid biomarkers of oxidative damage and inflammation. PLoS ONE, 2019, 14, e0215853.	1.1	10
434	Effects of 2-Phenethyl Isothiocyanate on Metabolism of 1,3-Butadiene in Smokers. Cancer Prevention Research, 2020, 13, 91-100.	0.7	10
435	Identification of an Nâ€²-Nitrosonornicotine-Specific Deoxyadenosine Adduct in Rat Liver and Lung DNA. Chemical Research in Toxicology, 2021, 34, 992-1003.	1.7	10
436	Urinary Nicotine Metabolites and Self-Reported Tobacco Use Among Adults in the Population Assessment of Tobacco and Health (PATH) Study, 2013â€“2014. Nicotine and Tobacco Research, 2022, 24, 768-777.	1.4	10
437	Comparative tumor initiating activity of 10-methylbenzo[a]pyrene, 7,10-dimethylbenzo[a]pyrene and benzo[a]pyrene. Cancer Letters, 1978, 5, 179-183.	3.2	9
438	The Metabolism of Cyclic Nitrosamines. ACS Symposium Series, 1981, , 49-75.	0.5	9
439	Identification of metabolites of 5,11-dimethylchrysene and 5,12-dimethylchrysene and the influence of a peri-methyl group on their formation. Carcinogenesis, 1982, 3, 1159-1163.	1.3	9
440	Dual-label high-performance liquid chromatographic assay for femtomole levels of benzo[a]pyrene metabolites. Analytical Biochemistry, 1985, 146, 442-447.	1.1	9
441	Metabolism of benzo[a]pyrene and 7Î²,8Î±-dihydroxy-9Î±,10Î±-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene in lung and liver of newborn mice. Chemico-Biological Interactions, 1989, 69, 245-257.	1.7	9
442	Mass Spectrometric Analysis of a Cyclic 7,8-Butanoguanine Adduct of N-Nitrosopyrrolidine: Comparison to Other N-Nitrosopyrrolidine Adducts in Rat Hepatic DNA. Chemical Research in Toxicology, 2009, 22, 1728-1735.	1.7	9
443	Analysis of the benzene oxide-DNA adduct 7-phenylguanine by liquid chromatography-nanoelectrospray ionization-high resolution tandem mass spectrometry-parallel reaction monitoring: Application to DNA from exposed mice and humans. Chemico-Biological Interactions, 2014, 215, 40-45.	1.7	9
444	FEMA expert panel review of p -mentha-1,8-dien-7-al genotoxicity testing results. Food and Chemical Toxicology, 2016, 98, 201-209.	1.8	9
445	Mass Spectrometric Quantitation of Apurinic/Apyrimidinic Sites in Tissue DNA of Rats Exposed to Tobacco-Specific Nitrosamines and in Lung and Leukocyte DNA of Cigarette Smokers and Nonsmokers. Chemical Research in Toxicology, 2020, 33, 2475-2486.	1.7	9
446	The Impact of One-week Dietary Supplementation with Kava on Biomarkers of Tobacco Use and Nitrosamine-based Carcinogenesis Risk among Active Smokers. Cancer Prevention Research, 2020, 13, 483-492.	0.7	9
447	Investigation of 2â€²-Deoxyadenosine-Derived Adducts Specifically Formed in Rat Liver and Lung DNA by Nâ€²-Nitrosonornicotine Metabolism. Chemical Research in Toxicology, 2021, 34, 1004-1015.	1.7	9
448	Cigarette smoking enhances the metabolic activation of the polycyclic aromatic hydrocarbon phenanthrene in humans. Carcinogenesis, 2021, 42, 570-577.	1.3	9
449	Synthesis of N-nitrosamino aldehydes. Tetrahedron Letters, 1976, 17, 593-596.	0.7	8
450	SHORT COMMUNICATION. Carcinogenesis, 1986, 7, 673-676.	1.3	8

#	Article	IF	Citations
451	Synthesis of anti-7,8-Dihydroxy-9,10-epoxy-7,8,9,10-tetrahydro-11-methylbenzo[a]pyrene and Its Reaction with DNA. Chemical Research in Toxicology, 1999, 12, 341-346.	1.7	8
452	Formation and Distribution of NNK Metabolites in an Isolated Perfused Rat Lung. Drug Metabolism and Disposition, 2010, 38, 752-760.	1.7	8
453	Transcriptome profiling in oral cavity and esophagus tissues from (S)â€Nâ€²â€nitrosonornicotineâ€treated rats reveals candidate genes involved in human oral cavity and esophageal carcinogenesis. Molecular Carcinogenesis, 2016, 55, 2168-2182.	1.3	8
454	Metastasis to the F344 Rat Pancreas from Lung Cancer Induced by 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of Its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol, Constituents of Tobacco Products. Toxicologic Pathology, 2018, 46, 184-192.	0.9	8
455	Oral creatine supplementation in humans does not elevate urinary excretion of the carcinogen N-nitrososarcosine. Nutrition, 2006, 22, 332-333.	1.1	7
456	Chemical biomarkers of exposure and early damage from potentially carcinogenic airborne pollutants. Annals of Cancer Epidemiology, 0, 3, 5-5.	1.8	7
457	Methyl DNA phosphate adduct formation in lung tumor tissue and adjacent normal tissue of lung cancer patients. Carcinogenesis, 2019, 40, 1387-1394.	1.3	7
458	A Randomized Clinical Trial of Snus Examining the Effect of Complete Versus Partial Cigarette Substitution on Smoking-Related Behaviors, and Biomarkers of Exposure. Nicotine and Tobacco Research, 2020, 22, 473-481.	1.4	7
459	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.	1.7	7
460	Alkylation of metal derivatives of 1,3-diphenyl-1,3-propanedione with 1,2-diphenyl-3,3-dichlorocyclopropene. Tetrahedron Letters, 1970, 11, 4385-4388.	0.7	6
461	Comparative metabolism and DNA binding of 6-nitro-5-methylchrysene and 5-methylchrysene. Carcinogenesis, 1987, 8, 1327-1331.	1.3	6
462	The effects of bay-region methyl substitution on 6-nitrochrysene mutagenicity in Salmonella typhimurium and tumorigenicity in newborn mice. Carcinogenesis, 1989, 10, 1685-1689.	1.3	6
463	Carcinogen-Derived Biomarkers and Lung Cancer. Preventive Medicine, 1996, 25, 7-9.	1.6	6
464	Deguelin as a Chemopreventive Agent in Mouse Lung Tumorigenesis Induced by Tobacco Smoke Carcinogens. Journal of the National Cancer Institute, 2005, 97, 1634-1635.	3.0	6
465	Exposure to a Tobacco-Specific Lung Carcinogen in Adolescent versus Adult Smokers. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 3337-3343.	1.1	6
466	Evolution of Research on the DNA Adduct Chemistry ofN-Nitrosopyrrolidine and Related Aldehydes. Chemical Research in Toxicology, 2011, 24, 781-790.	1.7	6
467	Contamination of deconjugation enzymes derived from Helix pomatia with the plant bioactive compounds 3,3â€²-diindolylmethane, 5-methoxypsoralen, and 8-methoxypsoralen. Food and Chemical Toxicology, 2013, 62, 188-193.	1.8	6
468	Evidence for endogenous formation of the hepatocarcinogen N-nitrosodihydrouracil in rats treated with dihydrouracil and sodium nitrite: A potential source of human hepatic DNA carboxyethylation. Chemico-Biological Interactions, 2013, 206, 83-89.	1.7	6

#	Article	IF	Citations
469	Identification and quantification of phenanthrene ortho-quinones in human urine and their association with lipid peroxidation. Environmental Pollution, 2020, 266, 115342.	3.7	6
470	Large Differences in Urinary Benzene Metabolite S-Phenylmercapturic Acid Quantitation: A Comparison of Five LCâ€“MS-MS Methods. Journal of Analytical Toxicology, 2021, 45, 657-665.	1.7	6
471	Metabolism and DNA adduct formation of carcinogenic tobacco-specific nitrosamines found in smokeless tobacco products. , 2020, , 151-166.		6
472	FEMA GRAS assessment of natural flavor complexes: Origanum oil, thyme oil and related phenol derivative-containing flavoring ingredients. Food and Chemical Toxicology, 2021, 155, 112378.	1.8	6
473	Serum Concentrations of Cotinine and Trans-3â€²-Hydroxycotinine in US Adults: Results From Wave 1 (2013â€“2014) of the Population Assessment of Tobacco and Health Study. Nicotine and Tobacco Research, 2022, 24, 736-744.	1.4	6
474	Analysis of syn- and anti-1,2-dihydroxy-3,4-epoxy-1,2,3,4-tetrahydro-5-methylchrysene-deoxyribonucleoside adducts by boronate chromatography. Cancer Letters, 1985, 27, 91-97.	3.2	5
475	Anthocyanins and Cancer Prevention. , 2012, , 201-229.		5
476	Liquid Chromatographyâ€“Electrospray Ionizationâ€“Tandem Mass Spectrometry Quantitation of Urinary [Pyridine-D4]4-hydroxy-4-(3-pyridyl)butanoic Acid, a Biomarker of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone Metabolic Activation in Smokers. Chemical Research in Toxicology, 2014, 27, 1547-1555.	1.7	5
477	Quantitation of phenanthrene dihydrodiols in the urine of smokers and non-smokers by gas chromatography-negative ion chemical ionization-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1141, 122023.	1.2	5
478	Cigarette Smokers Versus Cannabis Smokers Versus Co-users of Cigarettes and Cannabis: A Pilot Study Examining Exposure to Toxicants. Nicotine and Tobacco Research, 2022, 24, 125-129.	1.4	5
479	Characterization of adductomic totality of NNK, (R)-NNAL and (S)-NNAL in A/J mice, and their correlations with distinct lung carcinogenicity. Carcinogenesis, 2022, 43, 170-181.	1.3	5
480	Metabolism of K-region derivatives of 1-nitropyrene by rat liver in vitro. Carcinogenesis, 1988, 9, 255-258.	1.3	4
481	Effects of fluorine substitution on the DNA binding and tumorigenicity of benzo[b]fluoranthene in mouse epidermis. Chemico-Biological Interactions, 1989, 71, 279-290.	1.7	4
482	Mammary carcinogenicity of diol epoxide metabolites of benzo[j]fluoranthene in female CD rats. Cancer Letters, 1996, 106, 251-255.	3.2	4
483	A General Method for Detecting Nitrosamide Formation in the In Vitro Metabolism of Nitrosamines by Cytochrome P450s. Journal of Visualized Experiments, 2017, , .	0.2	4
484	Identification and analysis of a mercapturic acid conjugate of indole-3-methyl isothiocyanate in the urine of humans who consumed cruciferous vegetables. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1072, 341-346.	1.2	4
485	Effects of immediate versus gradual nicotine reduction in cigarettes on biomarkers of biological effects. Addiction, 2019, 114, 1824-1833.	1.7	4
486	Applying Tobacco, Environmental, and Dietary-Related Biomarkers to Understand Cancer Etiology and Evaluate Prevention Strategies. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 1904-1919.	1.1	4

#	Article	IF	Citations
487	The formation of azoxy-2-phenylethane during the biological oxidation of phenylethylamine by rabbit liver microsomes. Carcinogenesis, 1981, 2, 165-173.	1.3	3
488	N-ethyl-N-nitrosourea induced brain tumors in rats monitored by nuclear magnetic resonance imaging, plasma proton nuclear magnetic resonance spectroscopy and microscopy. Cancer Letters, 1992, 67, 125-131.	3.2	3
489	Re: Foulds and Ramstrom: Cancer Causes and Control 17: 227â€“228 (2006) and Henley etÂal., Cancer Causes and Control 16: 347â€“358 (2005). How Smokeless Tobacco can Cause Lung Cancer. Cancer Causes and Control, 2006, 17, 859-860.	0.8	3
490	Carcinogen Metabolites as Biomarkers. , 0, , 97-110.		3
491	Biomarkers of Exposure and Potential Harm among Natural American Spirit Smokers. Tobacco Regulatory Science (discontinued), 2019, 5, 339-351.	0.2	3
492	Reaction of hydrazine with 1,2-diphenyi-3-dibenzoylmethylenecyclopropene and 1,2-diphenyl-3-diacetylmethylenecyclopropene; formation of pyridazines. Tetrahedron Letters, 1972, 13, 3731-3734.	0.7	2
493	Re: Cigar Smoking in Men and Risk of Death From Tobacco-Related Cancers. Journal of the National Cancer Institute, 2000, 92, 2040-2040.	3.0	2
494	Cancer Prevention with Berries: Role of Anthocyanins. , 2010, , 703-723.		2
495	Quantitative Analysis of 3'-Hydroxynorcotinine in Human Urine. Nicotine and Tobacco Research, 2015, 17, 524-529.	1.4	2
496	Investigation of the presence in human urine of mercapturic acids derived from phenanthrene, a representative polycyclic aromatic hydrocarbon. Chemico-Biological Interactions, 2017, 274, 80-88.	1.7	2
497	Human Phenanthrene Metabolites as Probes for the Metabolic Activation and Detoxification of Carcinogenic Polycyclic Aromatic Hydrocarbons. , 2008, , 1-22.		2
498	Tobacco Carcinogenesis. , 2011, , 3717-3719.		2
499	Expression of a 32 kDa protein in rat mammary tumors induced byanti-benzo[c]phenanthrene-3,4-diol-1,2-epoxide. , 1996, 67, 124-128.		1
500	Smokeless tobaccoâ€”proposals for regulation. Lancet, The, 2010, 375, 1589-1591.	6.3	1
501	Continuing Excellence for Chemical Research in Toxicology. Chemical Research in Toxicology, 2013, 26, 1-1.	1.7	1
502	A Special Issue of CRT: Celebrating Volume 30. Chemical Research in Toxicology, 2017, 30, 1-1.	1.7	1
503	A New Editorial Team for CRT. Chemical Research in Toxicology, 2018, 31, 1-1.	1.7	1
504	Quantitation by liquid chromatography-nanoelectrospray ionization-high resolution tandem mass spectrometry of DNA adducts derived from methyl glyoxal and carboxyethylating agents in leukocytes of smokers and non-smokers. Chemico-Biological Interactions, 2020, 327, 109140.	1.7	1

#	Article	IF	Citations
505	Analysis of Multiple Biomarkers Using Structural Equation Modeling. Tobacco Regulatory Science (discontinued), 2020, 6, 266-278.	0.2	1
506	Preparation of a Beverage Containing Freeze-Dried Watercress for a Clinical Trial of Carcinogen and Toxicant Detoxification. Cancer Prevention Research, 2021, , .	0.7	1
507	50 Years of Research on Tobacco-Specific Nitrosamines: A Virtual Collection of Emerging Knowledge of Chemical Toxicology of Tobacco and Nicotine Delivery Systems and Call for Contributions to a Landmark Special Issue. Chemical Research in Toxicology, 2022, 35, 899-900.	1.7	1
508	Perspective: Tackling the real issues. Nature, 2011, 471, S18-S18.	13.7	0
509	Introducing Perspectives on Statistical Trends (POST). Chemical Research in Toxicology, 2013, 26, 1775-1775.	1.7	0
510	Tobacco carcinogenesis: mechanisms and biomarkers. , 2010, , 127-154.		0
511	An Approach to the Evaluation of Berries for Cancer Prevention with Emphasis on Esophageal Cancer. Methods in Pharmacology and Toxicology, 2014, , 107-133.	0.1	0
512	Tobacco Carcinogenesis. , 2015, , 1-4.		0
513	Tobacco Carcinogenesis. , 2017, , 4574-4577.		0