

# Stephen S Hecht

## List of Publications by Year in descending order

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513  
papers

31,418  
citations

4388

86  
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7518

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.	6.3	1,674
2	Tobacco carcinogens, their biomarkers and tobacco-induced cancer. Nature Reviews Cancer, 2003, 3, 733-744.	28.4	1,232
3	Biochemistry, Biology, and Carcinogenicity of Tobacco-Specific N-Nitrosamines. Chemical Research in Toxicology, 1998, 11, 559-603.	3.3	988
4	Tobacco smoke carcinogens, DNA damage and p53 mutations in smoking-associated cancers. Oncogene, 2002, 21, 7435-7451.	5.9	961
5	Tobacco-specific nitrosamines, an important group of carcinogens in tobacco and tobacco smoke. Carcinogenesis, 1988, 9, 875-884.	2.8	674
6	Environmental and chemical carcinogenesis. Seminars in Cancer Biology, 2004, 14, 473-486.	9.6	522
7	Smokeless tobacco and cancer. Lancet Oncology, The, 2008, 9, 667-675.	10.7	517
8	Cigarette smoking and lung cancer: chemical mechanisms and approaches to prevention. Lancet Oncology, The, 2002, 3, 461-469.	10.7	428
9	Key Characteristics of Carcinogens as a Basis for Organizing Data on Mechanisms of Carcinogenesis. Environmental Health Perspectives, 2016, 124, 713-721.	6.0	415
10	INHIBITION OF CARCINOGENESIS BY ISOTHIOCYANATES*. Drug Metabolism Reviews, 2000, 32, 395-411.	3.6	407
11	Lung carcinogenesis by tobacco smoke. International Journal of Cancer, 2012, 131, 2724-2732.	5.1	362
12	Comparison of Nicotine and Toxicant Exposure in Users of Electronic Cigarettes and Combustible Cigarettes. JAMA Network Open, 2018, 1, e185937.	5.9	361
13	Human urinary carcinogen metabolites: biomarkers for investigating tobacco and cancer. Carcinogenesis, 2002, 23, 907-922.	2.8	359
14	Biochemical Verification of Tobacco Use and Abstinence: 2019 Update. Nicotine and Tobacco Research, 2020, 22, 1086-1097.	2.6	325
15	Randomized Trial of Reduced-Nicotine Standards for Cigarettes. New England Journal of Medicine, 2015, 373, 1340-1349.	27.0	312
16	DNA adduct formation from tobacco-specific N-nitrosamines. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 424, 127-142.	1.0	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.	2.5	287
18	Progress and Challenges in Selected Areas of Tobacco Carcinogenesis. Chemical Research in Toxicology, 2008, 21, 160-171.	3.3	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. <i>Cancer Research</i> , 2005, 65, 8548-8557.	0.9	226
20	New and traditional smokeless tobacco: Comparison of toxicant and carcinogen levels. <i>Nicotine and Tobacco Research</i> , 2008, 10, 1773-1782.	2.6	222
21	Identification of DNA Adducts of Acetaldehyde. <i>Chemical Research in Toxicology</i> , 2000, 13, 1149-1157.	3.3	217
22	Reduced nicotine content cigarettes: effects on toxicant exposure, dependence and cessation. <i>Addiction</i> , 2010, 105, 343-355.	3.3	207
23	Assessing secondhand smoke using biological markers. <i>Tobacco Control</i> , 2013, 22, 164-171.	3.2	200
24	Evaluation of Toxicant and Carcinogen Metabolites in the Urine of E-Cigarette Users Versus Cigarette Smokers. <i>Nicotine and Tobacco Research</i> , 2015, 17, 704-709.	2.6	196
25	The Reemergence of Smokeless Tobacco. <i>New England Journal of Medicine</i> , 1986, 314, 1020-1027.	27.0	191
26	A Tobacco-Specific Lung Carcinogen in the Urine of Men Exposed to Cigarette Smoke. <i>New England Journal of Medicine</i> , 1993, 329, 1543-1546.	27.0	191
27	Smokers with the CHRNA Lung Cancer-Associated Variants Are Exposed to Higher Levels of Nicotine Equivalents and a Carcinogenic Tobacco-Specific Nitrosamine. <i>Cancer Research</i> , 2008, 68, 9137-9140.	0.9	186
28	Cigarette smoking: cancer risks, carcinogens, and mechanisms. <i>Langenbeck's Archives of Surgery</i> , 2006, 391, 603-613.	1.9	185
29	Tobacco smoke carcinogens and breast cancer. <i>Environmental and Molecular Mutagenesis</i> , 2002, 39, 119-126.	2.2	182
30	Anthocyanins in Black Raspberries Prevent Esophageal Tumors in Rats. <i>Cancer Prevention Research</i> , 2009, 2, 84-93.	1.5	172
31	Effects of Smoking Cessation on Eight Urinary Tobacco Carcinogen and Toxicant Biomarkers. <i>Chemical Research in Toxicology</i> , 2009, 22, 734-741.	3.3	156
32	Analysis of DNA and protein adducts of benzo[a]pyrene in human tissues using structure-specific methods. <i>Mutation Research - Reviews in Mutation Research</i> , 2003, 543, 17-30.	5.5	154
33	Rapid and Sustainable Detoxication of Airborne Pollutants by Broccoli Sprout Beverage: Results of a Randomized Clinical Trial in China. <i>Cancer Prevention Research</i> , 2014, 7, 813-823.	1.5	151
34	Transport of the $\beta$ -O-Glucuronide Conjugate of the Tobacco-specific Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) by the Multidrug Resistance Protein 1 (MRP1). <i>Journal of Biological Chemistry</i> , 2001, 276, 27846-27854.	3.4	147
35	Cancer prevention with freeze-dried berries and berry components. <i>Seminars in Cancer Biology</i> , 2007, 17, 403-410.	9.6	146
36	Urinary Levels of Tobacco-Specific Nitrosamine Metabolites in Relation to Lung Cancer Development in Two Prospective Cohorts of Cigarette Smokers. <i>Cancer Research</i> , 2009, 69, 2990-2995.	0.9	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. <i>Cancer Letters</i> , 1999, 137, 123-130.	7.2	142
38	Cytochrome P450 Enzymes as Catalysts of Metabolism of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone, a Tobacco Specific Carcinogen. <i>Chemical Research in Toxicology</i> , 2005, 18, 95-110.	3.3	142
39	Quantitation of Acrolein-Derived (3-Hydroxypropyl)mercapturic Acid in Human Urine by Liquid Chromatography-Atmospheric Pressure Chemical Ionization Tandem Mass Spectrometry: Effects of Cigarette Smoking. <i>Chemical Research in Toxicology</i> , 2007, 20, 986-990.	3.3	141
40	Rapid single-dose model for lung tumor induction in A/J mice by 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and the effect of diet. <i>Carcinogenesis</i> , 1989, 10, 1901-1904.	2.8	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 related DNA methylating and pyridyloxobutylating agents. <i>Carcinogenesis</i> , 1993, 14, 2419-2422.	2.8	140
42	Tobacco-Specific Nitrosamines: Formation From Nicotine In Vitro and During Tobacco Curing and Carcinogenicity in Strain A Mice 2 3. <i>Journal of the National Cancer Institute</i> , 1978, 60, 819-824.	6.3	139
43	Identification of cis-2-Butene-1,4-dial as a Microsomal Metabolite of Furan. <i>Chemical Research in Toxicology</i> , 1995, 8, 903-906.	3.3	132
44	Research Opportunities Related to Establishing Standards for Tobacco Products Under the Family Smoking Prevention and Tobacco Control Act. <i>Nicotine and Tobacco Research</i> , 2012, 14, 18-28.	2.6	132
45	Reactions of Formaldehyde Plus Acetaldehyde with Deoxyguanosine and DNA: Formation of Cyclic Deoxyguanosine Adducts and Formaldehyde Cross-Links. <i>Chemical Research in Toxicology</i> , 2003, 16, 145-152.	3.3	127
46	Effects of alkyl chain length on the inhibition of NNK-induced lung neoplasia in A/J mice by arylalkyl isothiocyanates. <i>Carcinogenesis</i> , 1989, 10, 1757-1759.	2.8	124
47	Comparative tumor initiating activity on mouse skin of 6-nitrobenzo[a]pyrene, 6-nitrochrysene, 3-nitroperylene, 1-nitropyrene and their parent hydrocarbons. <i>Cancer Letters</i> , 1982, 16, 333-337.	7.2	123
48	Tobacco-specific nitrosamines in new tobacco products. <i>Nicotine and Tobacco Research</i> , 2006, 8, 309-313.	2.6	122
49	Identification of an Acetaldehyde Adduct in Human Liver DNA and Quantitation as N <sup>2</sup> -Ethyldeoxyguanosine. <i>Chemical Research in Toxicology</i> , 2006, 19, 319-324.	3.3	121
50	Mass spectrometric analysis of tobacco-specific nitrosamine-DNA adducts in smokers and nonsmokers. <i>Chemical Research in Toxicology</i> , 1991, 4, 364-368.	3.3	120
51	Effects of $\delta$ -deuterium substitution on the mutagenicity of 4-(methyl-nitrosamino)-1-(3-pyridyl)-1-butanone (NNK) 1. <i>Carcinogenesis</i> , 1983, 4, 305-310.	2.8	119
52	Characterization of Amino Acid and Glutathione Adducts of cis-2-Butene-1,4-dial, a Reactive Metabolite of Furan. <i>Chemical Research in Toxicology</i> , 1997, 10, 866-874.	3.3	118
53	Relationships between Cigarette Consumption and Biomarkers of Tobacco Toxin Exposure. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005, 14, 2963-2968.	2.5	115
54	Similar Uptake of Lung Carcinogens by Smokers of Regular, Light, and Ultralight Cigarettes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005, 14, 693-698.	2.5	114

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55	Effect of Immediate vs Gradual Reduction in Nicotine Content of Cigarettes on Biomarkers of Smoke Exposure. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 880.	7.4	113
56	Detection and Quantitation of Acrolein-Derived 1,N2-Propanodeoxyguanosine Adducts in Human Lung by Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2007, 20, 565-571.	3.3	110
57	Modulation of the metabolism of airborne pollutants by glucoraphanin-rich and sulforaphane-rich broccoli sprout beverages in Qidong, China. <i>Carcinogenesis</i> , 2012, 33, 101-107.	2.8	108
58	Exposure and Metabolic Activation Biomarkers of Carcinogenic Tobacco-Specific Nitrosamines. <i>Accounts of Chemical Research</i> , 2016, 49, 106-114.	15.6	108
59	Tobacco-Specific Nitrosamines and Their Pyridine-N-glucuronides in the Urine of Smokers and Smokeless Tobacco Users. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005, 14, 885-891.	2.5	107
60	The Biological Significance of Tobacco-Specific N-Nitrosamines: Smoking and Adenocarcinoma of the Lung. <i>Critical Reviews in Toxicology</i> , 1996, 26, 199-211.	3.9	106
61	Genotoxicity of acetaldehyde- and crotonaldehyde-induced 1,N2-propanodeoxyguanosine DNA adducts in human cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 608, 1-7.	1.7	105
62	A Prospectively Measured Serum Biomarker for a Tobacco-Specific Carcinogen and Lung Cancer in Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009, 18, 260-266.	2.5	105
63	Evaluation of Carcinogen Exposure in People Who Used "Reduced Exposure" Tobacco Products. <i>Journal of the National Cancer Institute</i> , 2004, 96, 844-852.	6.3	104
64	Urinary Levels of Cigarette Smoke Constituent Metabolites Are Prospectively Associated with Lung Cancer Development in Smokers. <i>Cancer Research</i> , 2011, 71, 6749-6757.	0.9	103
65	Effects of dietary indoles and isothiocyanates on N-nitrosodimethylamine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone $\pm$ hydroxylation and DNA methylation in rat liver. <i>Carcinogenesis</i> , 1985, 6, 539-543.	2.8	102
66	Chemoprevention of Esophageal Cancer with Black Raspberries, Their Component Anthocyanins, and a Major Anthocyanin Metabolite, Protocatechuic Acid. <i>Cancer Prevention Research</i> , 2014, 7, 574-584.	1.5	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. <i>Chemical Research in Toxicology</i> , 1997, 10, 562-567.	3.3	101
68	Nicotine Metabolite Ratio Predicts Smoking Topography and Carcinogen Biomarker Level. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011, 20, 234-238.	2.5	101
69	Similar Exposure to a Tobacco-Specific Carcinogen in Smokeless Tobacco Users and Cigarette Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007, 16, 1567-1572.	2.5	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. <i>Carcinogenesis</i> , 1995, 16, 431-434.	2.8	98
71	Carcinogenicity studies of inhaled cigarette smoke in laboratory animals: old and new. <i>Carcinogenesis</i> , 2005, 26, 1488-1492.	2.8	98
72	Effects of Reduced Cigarette Smoking on the Uptake of a Tobacco-Specific Lung Carcinogen. <i>Journal of the National Cancer Institute</i> , 2004, 96, 107-115.	6.3	97

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73	Changing Smokeless Tobacco Products. <i>American Journal of Preventive Medicine</i> , 2007, 33, S368-S378.	3.0	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. <i>Carcinogenesis</i> , 1993, 14, 229-236.	2.8	95
75	Lung tumor induction in A/J mice by the tobacco smoke carcinogens 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and benzo[a]pyrene: a potentially useful model for evaluation of chemopreventive agents. <i>Carcinogenesis</i> , 1994, 15, 2721-2725.	2.8	95
76	Tobacco-specific nitrosamines in smokeless tobacco products marketed in India. <i>International Journal of Cancer</i> , 2005, 116, 16-19.	5.1	95
77	Biomarkers of exposure to new and emerging tobacco delivery products. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L425-L452.	2.9	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 N <sup>2</sup> -nitrosonornicotine. <i>Carcinogenesis</i> , 1988, 9, 161-165.	2.8	93
79	A review: dietary and endogenously formed N-nitroso compounds and risk of childhood brain tumors. <i>Cancer Causes and Control</i> , 2005, 16, 619-635.	1.8	93
80	Chemoprevention of lung carcinogenesis in addicted smokers and ex-smokers. <i>Nature Reviews Cancer</i> , 2009, 9, 476-488.	28.4	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. <i>Carcinogenesis</i> , 1995, 16, 1971-1974.	2.8	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. <i>Chemical Research in Toxicology</i> , 2003, 16, 616-626.	3.3	91
83	A Study of Tobacco Carcinogenesis. XIV. EReacts of N <sup>1</sup> -Nitrosonornicotine and N <sup>1</sup> -Nitrosonanabasine in Rats 2. <i>Journal of the National Cancer Institute</i> , 1975, 55, 977-981.	6.3	90
84	Cytochrome P450 2A-Catalyzed Metabolic Activation of Structurally Similar Carcinogenic Nitrosamines: N <sup>2</sup> -Nitrosonornicotine Enantiomers, N <sup>2</sup> -Nitrosopiperidine, and N <sup>2</sup> -Nitrosopyrrolidine. <i>Chemical Research in Toxicology</i> , 2005, 18, 61-69.	3.3	90
85	Formaldehyde and leukemia: Epidemiology, potential mechanisms, and implications for risk assessment. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 181-191.	2.2	90
86	Applying Tobacco Carcinogen and Toxicant Biomarkers in Product Regulation and Cancer Prevention. <i>Chemical Research in Toxicology</i> , 2010, 23, 1001-1008.	3.3	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. <i>Carcinogenesis</i> , 1995, 16, 2813-2817.	2.8	88
88	Metabolites of a Tobacco-Specific Lung Carcinogen in Nonsmoking Women Exposed to Environmental Tobacco Smoke. <i>Journal of the National Cancer Institute</i> , 2001, 93, 378-381.	6.3	88
89	NIH Electronic Cigarette Workshop: Developing a Research Agenda. <i>Nicotine and Tobacco Research</i> , 2015, 17, 259-269.	2.6	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. <i>Chemical Research in Toxicology</i> , 2006, 19, 1386-1392.	3.3	86

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91	Tumorigenicity and metabolism of 1-nitropyrene in A/J mice. <i>Carcinogenesis</i> , 1984, 5, 1449-1452.	2.8	83
92	High-Performance Liquid Chromatography-Based Determination of Total Isothiocyanate Levels in Human Plasma: Application to Studies with 2-Phenethyl Isothiocyanate. <i>Analytical Biochemistry</i> , 2001, 291, 279-289.	2.4	83
93	Nicotine Metabolism in Three Ethnic/Racial Groups with Different Risks of Lung Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008, 17, 3526-3535.	2.5	83
94	Benzyl isothiocyanate: an effective inhibitor of polycyclic aromatic hydrocarbon tumorigenesis in A/J mouse lung. <i>Cancer Letters</i> , 2002, 187, 87-94.	7.2	79
95	Chemical studies on tobacco smoke. 52. Reaction of nicotine and sodium nitrite: formation of nitrosamines and fragmentation of the pyrrolidine ring. <i>Journal of Organic Chemistry</i> , 1978, 43, 72-76.	3.2	78
96	Analysis of 23 Polycyclic Aromatic Hydrocarbons in Smokeless Tobacco by Gas Chromatography-Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2010, 23, 66-73.	3.3	78
97	New DNA adducts of crotonaldehyde and acetaldehyde. <i>Toxicology</i> , 2001, 166, 31-36.	4.2	77
98	Biomarkers to assess the utility of potential reduced exposure tobacco products. <i>Nicotine and Tobacco Research</i> , 2006, 8, 169-191.	2.6	77
99	Urinary levels of the tobacco-specific carcinogen N'-nitrosornicotine and its glucuronide are strongly associated with esophageal cancer risk in smokers. <i>Carcinogenesis</i> , 2011, 32, 1366-1371.	2.8	77
100	Chemical Studies on Tobacco Smoke. XXXIII. N'-Nitrosornicotine in Tobacco: Analysis of Possible Contributing Factors and Biologic Implications. <i>Journal of the National Cancer Institute</i> , 1975, 54, 1237-1244.	6.3	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. <i>Chemical Research in Toxicology</i> , 2007, 20, 235-245.	3.3	76
102	Quantitation of Pyridyloxobutyl DNA Adducts of Tobacco-Specific Nitrosamines in Rat Tissue DNA by High-Performance Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2006, 19, 674-682.	3.3	75
103	Biomarkers to assess the utility of potential reduced exposure tobacco products. <i>Nicotine and Tobacco Research</i> , 2006, 8, 599-622.	2.6	75
104	Effects of isothiocyanates on tumorigenesis by benzo[a]pyrene in murine tumor models. <i>Cancer Letters</i> , 1993, 74, 151-159.	7.2	74
105	Racial/Ethnic Differences in Lung Cancer Incidence in the Multiethnic Cohort Study: An Update. <i>Journal of the National Cancer Institute</i> , 2019, 111, 811-819.	6.3	74
106	Detection of cyclic 1, N2-propanodeoxyguanosine adducts in DNA of rats treated with N-nitrosopyrrolidine and mice treated with crotonaldehyde. <i>Carcinogenesis</i> , 1989, 10, 1291-1297.	2.8	73
107	The role of intestinal microflora in the metabolic reduction of 1-nitropyrene to 1-aminopyrene in conventional and germfree rats and in humans. <i>Cancer Letters</i> , 1983, 19, 311-316.	7.2	72
108	Tumorigenicity and metabolism of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol enantiomers and metabolites in the A/J mouse. <i>Carcinogenesis</i> , 1999, 20, 1577-1582.	2.8	72



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109	High Throughput Liquid and Gas Chromatography-Tandem Mass Spectrometry Assays for Tobacco-Specific Nitrosamine and Polycyclic Aromatic Hydrocarbon Metabolites Associated with Lung Cancer in Smokers. <i>Chemical Research in Toxicology</i> , 2013, 26, 1209-1217.	3.3	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. <i>Carcinogenesis</i> , 1983, 4, 1287-1290.	2.8	71
111	Effects of phenethyl isothiocyanate and benzyl isothiocyanate, individually and in combination, on lung tumorigenesis induced in A/J mice by benzo[ <i>a</i> ]pyrene and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Cancer Letters</i> , 2000, 150, 49-56.	7.2	71
112	Urinary Tobacco Smoke-Constituent Biomarkers for Assessing Risk of Lung Cancer. <i>Cancer Research</i> , 2014, 74, 401-411.	0.9	71
113	Application of a High-Resolution Mass-Spectrometry-Based DNA Adductomics Approach for Identification of DNA Adducts in Complex Mixtures. <i>Analytical Chemistry</i> , 2014, 86, 1744-1752.	6.5	71
114	Carcinogen derived biomarkers: applications in studies of human exposure to secondhand tobacco smoke. <i>Tobacco Control</i> , 2004, 13, 48i-56.	3.2	70
115	Quantitation of an Acetaldehyde Adduct in Human Leukocyte DNA and the Effect of Smoking Cessation. <i>Chemical Research in Toxicology</i> , 2007, 20, 108-113.	3.3	70
116	Smokeless tobacco and cigarette smoking: chemical mechanisms and cancer prevention. <i>Nature Reviews Cancer</i> , 2022, 22, 143-155.	28.4	70
117	Identification of cyanidin glycosides as constituents of freeze-dried black raspberries which inhibit anti-benzo[ <i>a</i> ]pyrene-7,8-diol-9,10-epoxide induced NF- $\kappa$ B and AP-1 activity. <i>Carcinogenesis</i> , 2005, 27, 1617-1626.	2.8	69
118	Analysis of Phenanthrene and Benzo[ <i>a</i> ]pyrene Tetraol Enantiomers in Human Urine: Relevance to the Bay Region Diol Epoxide Hypothesis of Benzo[ <i>a</i> ]pyrene Carcinogenesis and to Biomarker Studies. <i>Chemical Research in Toxicology</i> , 2010, 23, 900-908.	3.3	69
119	Nicotine-Derived N-Nitrosamines (TSNA) and their Relevance in Tobacco Carcinogenesis. <i>Critical Reviews in Toxicology</i> , 1991, 21, 305-311.	3.9	67
120	Clinical Trial of 2-Phenethyl Isothiocyanate as an Inhibitor of Metabolic Activation of a Tobacco-Specific Lung Carcinogen in Cigarette Smokers. <i>Cancer Prevention Research</i> , 2016, 9, 396-405.	1.5	67
121	Kinetics of DNA Adduct Formation in the Oral Cavity after Drinking Alcohol. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 601-608.	2.5	66
122	Indole-3-carbinol Inhibits 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone Plus Benzo(a)pyrene-Induced Lung Tumorigenesis in A/J Mice and Modulates Carcinogen-Induced Alterations in Protein Levels. <i>Cancer Research</i> , 2007, 67, 6502-6511.	0.9	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. <i>Carcinogenesis</i> , 2002, 23, 1455-1461.	2.8	64
124	Analysis of N- and O-Glucuronides of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) in Human Urine. <i>Chemical Research in Toxicology</i> , 2002, 15, 545-550.	3.3	64
125	Clear Differences in Levels of a Formaldehyde-DNA Adduct in Leukocytes of Smokers and Nonsmokers. <i>Cancer Research</i> , 2009, 69, 7170-7174.	0.9	63
126	Presence of the Carcinogen 4-(2-Nitrosornicotine) in the Urine of Some Users of Oral Nicotine Replacement Therapy Products. <i>Cancer Research</i> , 2009, 69, 8236-8240.	0.9	63



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127	(S)-N'-Nitrosornicotine, a constituent of smokeless tobacco, is a powerful oral cavity carcinogen in rats. <i>Carcinogenesis</i> , 2013, 34, 2178-2183.	2.8	61
128	Reduced Nicotine Content Cigarettes and Nicotine Patch. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013, 22, 1015-1024.	2.5	60
129	Developing the science base for reducing tobacco harm. <i>Nicotine and Tobacco Research</i> , 2007, 9, 537-553.	2.6	58
130	Analysis of Acrolein-Derived 1,2-Propanodeoxyguanosine Adducts in Human Leukocyte DNA from Smokers and Nonsmokers. <i>Chemical Research in Toxicology</i> , 2011, 24, 119-124.	3.3	57
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367	Safety evaluation of substituted thiophenes used as flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2017, 99, 40-59.	3.6	17
368	Effects of cessation of cigarette smoking on eicosanoid biomarkers of inflammation and oxidative damage. <i>PLoS ONE</i> , 2019, 14, e0218386.	2.5	17
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378	Quantitation of N-Acetyl-S-(9,10-dihydro-9-hydroxy-10-phenanthryl)-l-cysteine in Human Urine: A Comparison with Glutathione-S-transferase Genotypes in Smokers. <i>Chemical Research in Toxicology</i> , 2006, 19, 1234-1240.	3.3	15



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384	Approaches to Chemoprevention of Lung Cancer Based on Carcinogens in Tobacco Smoke. <i>Environmental Health Perspectives</i> , 1997, 105, 955.	6.0	14
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395	Self-reported Tobacco use does not correlate with carcinogen exposure in smokers with head and neck cancer. <i>Laryngoscope</i> , 2015, 125, 1844-1848.	2.0	13
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398	Synthesis of K-region derivatives of the carcinogen 1-nitropyrene. <i>Carcinogenesis</i> , 1986, 7, 1577-1580.	2.8	12
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402	Analysis of Adducts in Hepatic DNA of Rats Treated with N-Nitrosopyrrolidine. <i>Chemical Research in Toxicology</i> , 2007, 20, 634-640.	3.3	12
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416	Comparative Analysis of Tobacco-Specific Nitrosamines and Total N-Nitroso Compounds in Moldovan Cigarette Tobacco. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 8082-8086.	5.2	11
417	Longitudinal study of [ <sup>10</sup> ]phenanthrene metabolism by the diol epoxide pathway in smokers. <i>Biomarkers</i> , 2013, 18, 144-150.	1.9	11
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430	More than 500 trillion molecules of strong carcinogens per cigarette: use in product labelling?. <i>Tobacco Control</i> , 2011, 20, 387-387.	3.2	10
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434	Effects of 2-Phenethyl Isothiocyanate on Metabolism of 1,3-Butadiene in Smokers. <i>Cancer Prevention Research</i> , 2020, 13, 91-100.	1.5	10
435	Identification of an <i>N</i> -Nitrosornicotine-Specific Deoxyadenosine Adduct in Rat Liver and Lung DNA. <i>Chemical Research in Toxicology</i> , 2021, 34, 992-1003.	3.3	10
436	Urinary Nicotine Metabolites and Self-Reported Tobacco Use Among Adults in the Population Assessment of Tobacco and Health (PATH) Study, 2013-2014. <i>Nicotine and Tobacco Research</i> , 2022, 24, 768-777.	2.6	10
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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. <i>Chemical Research in Toxicology</i> , 2020, 33, 2475-2486.	3.3	9
446	The Impact of One-week Dietary Supplementation with Kava on Biomarkers of Tobacco Use and Nitrosamine-based Carcinogenesis Risk among Active Smokers. <i>Cancer Prevention Research</i> , 2020, 13, 483-492.	1.5	9
447	Investigation of <i>N</i> -Deoxyadenosine-Derived Adducts Specifically Formed in Rat Liver and Lung DNA by <i>N</i> -Nitrosornicotine Metabolism. <i>Chemical Research in Toxicology</i> , 2021, 34, 1004-1015.	3.3	9
448	Cigarette smoking enhances the metabolic activation of the polycyclic aromatic hydrocarbon phenanthrene in humans. <i>Carcinogenesis</i> , 2021, 42, 570-577.	2.8	9
449	Synthesis of N-nitrosamino aldehydes. <i>Tetrahedron Letters</i> , 1976, 17, 593-596.	1.4	8
450	SHORT COMMUNICATION. <i>Carcinogenesis</i> , 1986, 7, 673-676.	2.8	8

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452	Formation and Distribution of NNK Metabolites in an Isolated Perfused Rat Lung. <i>Drug Metabolism and Disposition</i> , 2010, 38, 752-760.	3.3	8
453	Transcriptome profiling in oral cavity and esophagus tissues from (<i>S</i>)&Nâ€²&Nnitrosornicotine&€treated rats reveals candidate genes involved in human oral cavity and esophageal carcinogenesis. <i>Molecular Carcinogenesis</i> , 2016, 55, 2168-2182.	2.7	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. <i>Toxicologic Pathology</i> , 2018, 46, 184-192.	1.8	8
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457	Methyl DNA phosphate adduct formation in lung tumor tissue and adjacent normal tissue of lung cancer patients. <i>Carcinogenesis</i> , 2019, 40, 1387-1394.	2.8	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. <i>Nicotine and Tobacco Research</i> , 2020, 22, 473-481.	2.6	7
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461	Comparative metabolism and DNA binding of 6-nitro-5-methylchrysene and 5-methylchrysene. <i>Carcinogenesis</i> , 1987, 8, 1327-1331.	2.8	6
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463	Carcinogen-Derived Biomarkers and Lung Cancer. <i>Preventive Medicine</i> , 1996, 25, 7-9.	3.4	6
464	Deguelin as a Chemopreventive Agent in Mouse Lung Tumorigenesis Induced by Tobacco Smoke Carcinogens. <i>Journal of the National Cancer Institute</i> , 2005, 97, 1634-1635.	6.3	6
465	Exposure to a Tobacco-Specific Lung Carcinogen in Adolescent versus Adult Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008, 17, 3337-3343.	2.5	6
466	Evolution of Research on the DNA Adduct Chemistry of N-Nitrosopyrrolidine and Related Aldehydes. <i>Chemical Research in Toxicology</i> , 2011, 24, 781-790.	3.3	6
467	Contamination of deconjugation enzymes derived from <i>Helix pomatia</i> with the plant bioactive compounds 3,3&€²-diindolylmethane, 5-methoxypsoralen, and 8-methoxypsoralen. <i>Food and Chemical Toxicology</i> , 2013, 62, 188-193.	3.6	6
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470	Large Differences in Urinary Benzene Metabolite S-Phenylmercapturic Acid Quantitation: A Comparison of Five LC-MS-MS Methods. <i>Journal of Analytical Toxicology</i> , 2021, 45, 657-665.	2.8	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. <i>Food and Chemical Toxicology</i> , 2021, 155, 112378.	3.6	6
473	Serum Concentrations of Cotinine and <i>Trans</i> -3-Hydroxycotinine in US Adults: Results From Wave 1 (2013-2014) of the Population Assessment of Tobacco and Health Study. <i>Nicotine and Tobacco Research</i> , 2022, 24, 736-744.	2.6	6
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475	Anthocyanins and Cancer Prevention. , 2012, , 201-229.		5
476	Liquid Chromatography-Electrospray Ionization-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. <i>Chemical Research in Toxicology</i> , 2014, 27, 1547-1555.	3.3	5
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478	Cigarette Smokers Versus Cannabis Smokers Versus Co-users of Cigarettes and Cannabis: A Pilot Study Examining Exposure to Toxicants. <i>Nicotine and Tobacco Research</i> , 2022, 24, 125-129.	2.6	5
479	Characterization of adductomic totality of NNK, <i>R</i> -NNAL and <i>S</i> -NNAL in A/J mice, and their correlations with distinct lung carcinogenicity. <i>Carcinogenesis</i> , 2022, 43, 170-181.	2.8	5
480	Metabolism of K-region derivatives of 1-nitropyrene by rat liver in vitro. <i>Carcinogenesis</i> , 1988, 9, 255-258.	2.8	4
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483	A General Method for Detecting Nitrosamide Formation in the <i>In Vitro</i> Metabolism of Nitrosamines by Cytochrome P450s. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	4
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485	Effects of immediate versus gradual nicotine reduction in cigarettes on biomarkers of biological effects. <i>Addiction</i> , 2019, 114, 1824-1833.	3.3	4
486	Applying Tobacco, Environmental, and Dietary-Related Biomarkers to Understand Cancer Etiology and Evaluate Prevention Strategies. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 1904-1919.	2.5	4



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489	Re: Foulds and Ramstrom: <i>Cancer Causes and Control</i> 17: 227-228 (2006) and Henley et al., <i>Cancer Causes and Control</i> 16: 347-358 (2005). How Smokeless Tobacco can Cause Lung Cancer. <i>Cancer Causes and Control</i> , 2006, 17, 859-860.	1.8	3
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