

# Sharon E Murphy

## List of Publications by Year in descending order

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69  
papers

3,057  
citations

136950

32  
h-index

168389

53  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3217  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Nicotine N-glucuronidation relative to N-oxidation and C-oxidation and UGT2B10 genotype in five ethnic/racial groups. <i>Carcinogenesis</i> , 2014, 35, 2526-2533.	2.8	124
6	Relationships between Cigarette Consumption and Biomarkers of Tobacco Toxin Exposure. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005, 14, 2963-2968.	2.5	115
7	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
8	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
9	The contribution of common CYP2A6 alleles to variation in nicotine metabolism among European-Americans. <i>Pharmacogenetics and Genomics</i> , 2011, 21, 403-416.	1.5	97
10	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
11	NICOTINE 5 $\alpha$ - <sup>2</sup> -OXIDATION AND METHYL OXIDATION BY P450 2A ENZYMES. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1166-1173.	3.3	82
12	N-GLUCURONIDATION OF NICOTINE AND COTININE BY HUMAN LIVER MICROSOMES AND HETEROLOGOUSLY EXPRESSED UDP-GLUCURONOSYLTRANSFERASES. <i>Drug Metabolism and Disposition</i> , 2003, 31, 1361-1368.	3.3	75
13	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
14	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
15	COMPARATIVE METABOLISM OF THE TOBACCO-SPECIFIC NITROSAMINES 4-(METHYLNITROSAMINO)-1-(3-PYRIDYL)-1-BUTANONE AND 4-(METHYLNITROSAMINO)-1-(3-PYRIDYL)-1-BUTANOL BY RAT CYTOCHROME P450 2A3 AND HUMAN CYTOCHROME P450 2A13. <i>Drug Metabolism and Disposition</i> , 2003, 31, 1199-1202.	3.3	65
16	Nicotine Metabolite Ratio (3-Hydroxycotinine/Cotinine) in Plasma and Urine by Different Analytical Methods and Laboratories: Implications for Clinical Implementation. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 1239-1246.	2.5	65
17	Novel Association of Genetic Markers Affecting CYP2A6 Activity and Lung Cancer Risk. <i>Cancer Research</i> , 2016, 76, 5768-5776.	0.9	57
18	Nicotine Metabolism in African Americans and European Americans: Variation in Glucuronidation by Ethnicity and UGT2B10 Haplotype. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 202-209.	2.5	54

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19	Cotinine and trans 3- $\beta$ -hydroxycotinine in dried blood spots as biomarkers of tobacco exposure and nicotine metabolism. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 513-518.	3.9	53
20	CYP2A6 genetic polymorphisms and biomarkers of tobacco smoke constituents in relation to risk of lung cancer in the Singapore Chinese Health Study. <i>Carcinogenesis</i> , 2017, 38, 411-418.	2.8	51
21	Inactivation of CYP2A6 and CYP2A13 during Nicotine Metabolism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 295-303.	2.5	50
22	Genetic determinants of CYP2A6 activity across racial/ethnic groups with different risks of lung cancer and effect on their smoking intensity. <i>Carcinogenesis</i> , 2016, 37, 269-279.	2.8	48
23	The Contribution of Common Genetic Variation to Nicotine and Cotinine Glucuronidation in Multiple Ethnic/Racial Populations. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 119-127.	2.5	47
24	Estimations and predictors of non-compliance in switchers to reduced nicotine content cigarettes. <i>Addiction</i> , 2016, 111, 2208-2216.	3.3	44
25	Nicotine Metabolism and Smoking: Ethnic Differences in the Role of P450 2A6. <i>Chemical Research in Toxicology</i> , 2017, 30, 410-419.	3.3	44
26	Nicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-butanone (NNK) metabolism by cytochrome P450 2B6. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1760-4.	3.3	40
27	Metabolic Activation of the Tobacco Carcinogen 4-(Methylnitrosamino)-(3-pyridyl)-1-butanone by Cytochrome P450 2A13 in Human Fetal Nasal Microsomes. <i>Chemical Research in Toxicology</i> , 2005, 18, 913-918.	3.3	39
28	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. <i>International Journal of Cancer</i> , 2016, 138, 2161-2171.	5.1	38
29	Tobacco biomarkers and genetic/epigenetic analysis to investigate ethnic/racial differences in lung cancer risk among smokers. <i>Npj Precision Oncology</i> , 2018, 2, 17.	5.4	38
30	Biochemistry of nicotine metabolism and its relevance to lung cancer. <i>Journal of Biological Chemistry</i> , 2021, 296, 100722.	3.4	36
31	Use of a predictive model derived from in vivo endophenotype measurements to demonstrate associations with a complex locus, CYP2A6. <i>Human Molecular Genetics</i> , 2012, 21, 3050-3062.	2.9	35
32	Quantitation of the Minor Tobacco Alkaloids Nornicotine, Anatabine, and Anabasine in Smokers' Urine by High Throughput Liquid Chromatography-Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2016, 29, 390-397.	3.3	35
33	Association of CYP2A6 activity with lung cancer incidence in smokers: The multiethnic cohort study. <i>PLoS ONE</i> , 2017, 12, e0178435.	2.5	35
34	Glucuronidation of 4-[(Hydroxymethyl)nitrosamino]-1-(3-pyridyl)-1-butanone, a Metabolically Activated Form of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone, by Phenobarbital-Treated Rats. <i>Chemical Research in Toxicology</i> , 1995, 8, 772-779.	3.3	34
35	Tobacco smoke biomarkers and cancer risk among male smokers in the Shanghai Cohort Study. <i>Cancer Letters</i> , 2013, 334, 34-38.	7.2	34
36	Prenatal Tobacco Exposure and Cotinine in Newborn Dried Blood Spots. <i>Pediatrics</i> , 2014, 133, e1632-e1638.	2.1	31

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37	Effects upon in-vivo nicotine metabolism reveal functional variation in FMO3 associated with cigarette consumption. <i>Pharmacogenetics and Genomics</i> , 2013, 23, 62-68.	1.5	29
38	Nicotine and Anatabine Exposure from Very Low Nicotine Content Cigarettes. <i>Tobacco Regulatory Science (discontinued)</i> , 2016, 2, 186-203.	0.2	29
39	UGT2B10 Genotype Influences Nicotine Glucuronidation, Oxidation, and Consumption. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 1423-1431.	2.5	28
40	Randomized Trial of Low-Nicotine Cigarettes and Transdermal Nicotine. <i>American Journal of Preventive Medicine</i> , 2019, 57, 515-524.	3.0	27
41	CYP2A6- and CYP2A13-Catalyzed Metabolism of the Nicotine $\text{N}^+$ iminium Ion. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 343, 307-315.	2.5	24
42	2-Phenethyl Isothiocyanate, <i>Glutathione S-transferase M1</i> and <i>T1</i> Polymorphisms, and Detoxification of Volatile Organic Carcinogens and Toxicants in Tobacco Smoke. <i>Cancer Prevention Research</i> , 2016, 9, 598-606.	1.5	24
43	Urinary Cotinine Is as Good a Biomarker as Serum Cotinine for Cigarette Smoking Exposure and Lung Cancer Risk Prediction. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 127-132.	2.5	23
44	Identification of N-(Hydroxymethyl) Norcotinine as a Major Product of Cytochrome P450 2A6, but Not Cytochrome P450 2A13-Catalyzed Cotinine Metabolism. <i>Chemical Research in Toxicology</i> , 2005, 18, 1792-1798.	3.3	22
45	Chronic Nicotine Consumption Does Not Influence 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone-Induced Lung Tumorigenesis. <i>Cancer Prevention Research</i> , 2011, 4, 1752-1760.	1.5	22
46	1,3-Butadiene Exposure and Metabolism among Japanese American, Native Hawaiian, and White Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 2240-2249.	2.5	22
47	N-Glucuronidation of trans-3-Hydroxycotinine by Human Liver Microsomes. <i>Chemical Research in Toxicology</i> , 2003, 16, 1502-1506.	3.3	21
48	Low Cotinine Glucuronidation Results in Higher Serum and Saliva Cotinine in African American Compared to White Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 1093-1099.	2.5	20
49	Common polymorphisms in FMO1 are associated with nicotine dependence. <i>Pharmacogenetics and Genomics</i> , 2011, 21, 397-402.	1.5	18
50	Relationships between the Nicotine Metabolite Ratio and a Panel of Exposure and Effect Biomarkers: Findings from Two Studies of U.S. Commercial Cigarette Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 871-879.	2.5	17
51	Collaborative Method Performance Study of the Measurement of Nicotine, Its Metabolites, and Total Nicotine Equivalents in Human Urine. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2018, 27, 1083-1090.	2.5	15
52	Web-Delivered Multimedia Training Materials for the Self-Collection of Dried Blood Spots: A Formative Project. <i>JMIR Formative Research</i> , 2018, 2, e11025.	1.4	15
53	Effects of phenobarbital and 3-methylcholanthrene induction on the formation of three glucuronide metabolites of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NNK. <i>Chemico-Biological Interactions</i> , 1997, 103, 153-166.	4.0	14
54	Dietary Dihydropyridine Increases Glucuronidation of 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol in A/J Mice, Potentially Enhancing Its Detoxification. <i>Drug Metabolism and Disposition</i> , 2016, 44, 422-427.	3.3	14

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55	The contribution of common UGT2B10 and CYP2A6 alleles to variation in nicotine glucuronidation among European Americans. <i>Pharmacogenetics and Genomics</i> , 2013, 23, 706-716.	1.5	13
56	Benzene oxide is a substrate for glutathione S-transferases. <i>Chemico-Biological Interactions</i> , 2015, 242, 390-395.	4.0	13
57	Associations Between Genetic Ancestries and Nicotine Metabolism Biomarkers in the Multiethnic Cohort Study. <i>American Journal of Epidemiology</i> , 2015, 182, 945-951.	3.4	12
58	Urinary Cyanoethyl Mercapturic Acid, a Biomarker of the Smoke Toxicant Acrylonitrile, Clearly Distinguishes Smokers From Nonsmokers. <i>Nicotine and Tobacco Research</i> , 2020, 22, 1744-1747.	2.6	12
59	Mouth-Level Nicotine Intake Estimates from Discarded Filter Butts to Examine Compensatory Smoking in Low Nicotine Cigarettes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 643-649.	2.5	11
60	In Vivo Stable-Isotope Labeling and Mass-Spectrometry-Based Metabolic Profiling of a Potent Tobacco-Specific Carcinogen in Rats. <i>Analytical Chemistry</i> , 2018, 90, 11863-11872.	6.5	10
61	<i>UGT2B10</i> Genotype Influences Serum Cotinine Levels and Is a Primary Determinant of Higher Cotinine in African American Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 1673-1678.	2.5	7
62	Multiethnic Prediction of Nicotine Biomarkers and Association With Nicotine Dependence. <i>Nicotine and Tobacco Research</i> , 2021, 23, 2162-2169.	2.6	6
63	A Randomized Trial of Nicotine versus No-nicotine E-cigarettes Among African American Smokers: Changes in Smoking and Tobacco Biomarkers. <i>Nicotine and Tobacco Research</i> , 2022, 24, 555-563.	2.6	5
64	Influence of UGT2B10 Genotype on Urinary Excretion of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol-N-glucuronide by African American Smokers. <i>Chemical Research in Toxicology</i> , 2018, 31, 168-175.	3.3	4
65	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
66	Exploring Potential for a Personalized Medicine Approach to Smoking Cessation With an American Indian Tribe. <i>Nicotine and Tobacco Research</i> , 2023, 25, 120-126.	2.6	3
67	Ethnic Differences of Urinary Cadmium in Cigarette Smokers from the Multiethnic Cohort Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2669.	2.6	1
68	Nicotine Metabolism and Its Role in Cancer. , 2022, , 197-213.		1
69	Detecting participant noncompliance across multiple time points by modeling a longitudinal biomarker. <i>Clinical Trials</i> , 2021, 18, 28-38.	1.6	0