

# Peyton Jacob 3rd

## List of Publications by Year in descending order

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106  
papers

10,821  
citations

61984

43  
h-index

30922

102  
g-index

107  
all docs

107  
docs citations

107  
times ranked

9683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomarkers of nicotine exposure correlate with the Hooked on Nicotine Checklist among adolescents in California, United States. <i>Addictive Behaviors</i> , 2022, 128, 107235.	3.0	4
2	Tobacco-specific and combustion pollutants in settled house dust in Malta. , 2022, 1, .		2
3	PM <sub>2.5</sub> Concentrations in the Smoking Lounge of a Cannabis Store. <i>Environmental Science and Technology Letters</i> , 2022, 9, 551-556.	8.7	2
4	Minor Tobacco Alkaloids as Biomarkers to Distinguish Combusted Tobacco Use From Electronic Nicotine Delivery Systems Use. Two New Analytical Methods. <i>Frontiers in Chemistry</i> , 2022, 10, .	3.6	1
5	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
6	Differences in exposure to toxic and/or carcinogenic volatile organic compounds between Black and White cigarette smokers. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 211-223.	3.9	14
7	Effect of race and glucuronidation rates on the relationship between nicotine metabolite ratio and nicotine clearance. <i>Pharmacogenetics and Genomics</i> , 2021, 31, 97-107.	1.5	6
8	Adhesion and Removal of Thirdhand Smoke from Indoor Fabrics: A Method for Rapid Assessment and Identification of Chemical Repositories. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3592.	2.6	3
9	3-Ethenylpyridine Measured in Urine of Active and Passive Smokers: A Promising Biomarker and Toxicological Implications. <i>Chemical Research in Toxicology</i> , 2021, 34, 1630-1639.	3.3	4
10	Genetic background influences the effect of thirdhand smoke exposure on anxiety and memory in Collaborative Cross mice. <i>Scientific Reports</i> , 2021, 11, 13285.	3.3	6
11	Harmonization of acronyms for volatile organic compound metabolites using a standardized naming system. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 235, 113749.	4.3	11
12	Thirdhand smoke associations with the gut microbiomes of infants admitted to a neonatal intensive care unit: An observational study. <i>Environmental Research</i> , 2021, 197, 111180.	7.5	15
13	Secondhand smoke exposure in school children in Malta assessed through urinary biomarkers. <i>Environmental Research</i> , 2021, 204, 112405.	7.5	0
14	Urine Metabolites for Estimating Daily Intake of Nicotine From Cigarette Smoking. <i>Nicotine and Tobacco Research</i> , 2020, 22, 288-292.	2.6	33
15	Biochemical Verification of Tobacco Use and Abstinence: 2019 Update. <i>Nicotine and Tobacco Research</i> , 2020, 22, 1086-1097.	2.6	325
16	Exposure to a Tobacco-Specific Carcinogen Among Adolescent Smokeless Tobacco Users in Rural California, United States. <i>Nicotine and Tobacco Research</i> , 2020, 22, 1764-1771.	2.6	2
17	Differences in nicotine intake and effects from electronic and combustible cigarettes among dual users. <i>Addiction</i> , 2020, 115, 757-767.	3.3	31
18	Comparison of Systemic Exposure to Toxic and/or Carcinogenic Volatile Organic Compounds (VOC) during Vaping, Smoking, and Abstinence. <i>Cancer Prevention Research</i> , 2020, 13, 153-162.	1.5	54

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19	Sources and Biomarkers of Secondhand Tobacco Smoke Exposure in Urban Adolescents. <i>Academic Pediatrics</i> , 2020, 20, 493-500.	2.0	11
20	Characterization of Nicotine Salts in 23 Electronic Cigarette Refill Liquids. <i>Nicotine and Tobacco Research</i> , 2020, 22, 1239-1243.	2.6	85
21	Biomarkers of Exposure for Dual Use of Electronic Cigarettes and Combustible Cigarettes: Nicotelline, NNAL, and Total Nicotine Equivalents. <i>Nicotine and Tobacco Research</i> , 2020, 22, 1107-1113.	2.6	17
22	Thirdhand smoke exposure causes replication stress and impaired transcription in human lung cells. <i>Environmental and Molecular Mutagenesis</i> , 2020, 61, 635-646.	2.2	10
23	Quantitative biochemical screening for marijuana use and concordance with tobacco use in urban adolescents. <i>Drug and Alcohol Dependence</i> , 2019, 205, 107583.	3.2	13
24	Relationship between skin melanin index and nicotine pharmacokinetics in African American smokers. <i>Drug and Alcohol Dependence</i> , 2019, 204, 107474.	3.2	5
25	Induction via Functional Protein Stabilization of Hepatic Cytochromes P450 upon gp78/Autocrine Motility Factor Receptor (AMFR) Ubiquitin E3-Ligase Genetic Ablation in Mice: Therapeutic and Toxicological Relevance. <i>Molecular Pharmacology</i> , 2019, 96, 641-654.	2.3	11
26	Identification and quantification of electronic cigarette exhaled aerosol residue chemicals in field sites. <i>Environmental Research</i> , 2019, 170, 351-358.	7.5	15
27	Butanediol Conversion to Gamma-Hydroxybutyrate Markedly Reduced by the Alcohol Dehydrogenase Blocker Fomepizole. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 105, 1196-1203.	4.7	7
28	Comparison of Urine 4-(Methylnitrosamino)-1-(3)Pyridyl-1-Butanol and Cotinine for Assessment of Active and Passive Smoke Exposure in Urban Adolescents. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2018, 27, 254-261.	2.5	41
29	Short-term early exposure to thirdhand cigarette smoke increases lung cancer incidence in mice. <i>Clinical Science</i> , 2018, 132, 475-488.	4.3	30
30	A Casino goes smoke free: a longitudinal study of secondhand and thirdhand smoke pollution and exposure. <i>Tobacco Control</i> , 2018, 27, 643-649.	3.2	30
31	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
32	Urine Cotinine Screening Detect Nearly Ubiquitous Tobacco Smoke Exposure in Urban Adolescents. <i>Nicotine and Tobacco Research</i> , 2017, 19, ntw390.	2.6	26
33	An Electronic Cigarette Vaping Machine for the Characterization of Aerosol Delivery and Composition. <i>Nicotine and Tobacco Research</i> , 2017, 19, ntw147.	2.6	36
34	Early exposure to thirdhand cigarette smoke affects body mass and the development of immunity in mice. <i>Scientific Reports</i> , 2017, 7, 41915.	3.3	30
35	Thirdhand Smoke: New Evidence, Challenges, and Future Directions. <i>Chemical Research in Toxicology</i> , 2017, 30, 270-294.	3.3	178
36	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

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37	Urinary NNAL in hookah smokers and non-smokers after attending a hookah social event in a hookah lounge or a private home. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 89, 74-82.	2.7	4
38	Impact of e-liquid flavors on nicotine intake and pharmacology of e-cigarettes. <i>Drug and Alcohol Dependence</i> , 2017, 178, 391-398.	3.2	83
39	Exposure to Nicotine and Selected Toxicants in Cigarette Smokers Who Switched to Electronic Cigarettes: A Longitudinal Within-Subjects Observational Study. <i>Nicotine and Tobacco Research</i> , 2017, 19, 160-167.	2.6	234
40	Nicotine Delivery and Vaping Behavior during <I>ad libitum</I> E-cigarette Access. <i>Tobacco Regulatory Science (discontinued)</i> , 2016, 2, 363-376.	0.2	71
41	Thirdhand Smoke: State of the Science and a Call for Policy Expansion. <i>Public Health Reports</i> , 2016, 131, 233-238.	2.5	43
42	Cessation of alcohol consumption decreases rate of nicotine metabolism in male alcohol-dependent smokers. <i>Drug and Alcohol Dependence</i> , 2016, 163, 157-164.	3.2	24
43	Nicotine delivery, retention and pharmacokinetics from various electronic cigarettes. <i>Addiction</i> , 2016, 111, 535-544.	3.3	204
44	Thirdhand smoke contamination in hospital settings: assessing exposure risk for vulnerable paediatric patients: TableA1. <i>Tobacco Control</i> , 2016, 25, 619-623.	3.2	53
45	Thirdhand smoke: Chemical dynamics, cytotoxicity, and genotoxicity in outdoor and indoor environments. <i>Toxicology in Vitro</i> , 2016, 32, 220-231.	2.4	34
46	Cigarette Smoke Exposure and the Acute Respiratory Distress Syndrome*. <i>Critical Care Medicine</i> , 2015, 43, 1790-1797.	0.9	92
47	Effect of reducing the nicotine content of cigarettes on cigarette smoking behavior and tobacco smoke toxicant exposure: 2-year follow up. <i>Addiction</i> , 2015, 110, 1667-1675.	3.3	33
48	Tobacco Alkaloids and Tobacco-Specific Nitrosamines in Dust from Homes of Smokeless Tobacco Users, Active Smokers, and Nontobacco Users. <i>Chemical Research in Toxicology</i> , 2015, 28, 1007-1014.	3.3	40
49	Different profiles of carcinogen exposure in Chinese compared with US cigarette smokers. <i>Tobacco Control</i> , 2015, 24, e258-e263.	3.2	9
50	Cigarette Smoke Toxins Deposited on Surfaces: Implications for Human Health. <i>PLoS ONE</i> , 2014, 9, e86391.	2.5	125
51	Intake of Toxic and Carcinogenic Volatile Organic Compounds from Secondhand Smoke in Motor Vehicles. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 2774-2782.	2.5	35
52	Biomarkers of secondhand smoke exposure in automobiles. <i>Tobacco Control</i> , 2014, 23, 51-57.	3.2	33
53	Levels of selected carcinogens and toxicants in vapour from electronic cigarettes. <i>Tobacco Control</i> , 2014, 23, 133-139.	3.2	1,324
54	Children's Exposure to Secondhand and Thirdhand Smoke Carcinogens and Toxicants in Homes of Hookah Smokers. <i>Nicotine and Tobacco Research</i> , 2014, 16, 961-975.	2.6	57

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55	Nicotine and Carcinogen Exposure after Water Pipe Smoking in Hookah Bars. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 1055-1066.	2.5	70
56	NEIL2 Protects against Oxidative DNA Damage Induced by Sidestream Smoke in Human Cells. <i>PLoS ONE</i> , 2014, 9, e90261.	2.5	34
57	Thirdhand Cigarette Smoke: Factors Affecting Exposure and Remediation. <i>PLoS ONE</i> , 2014, 9, e108258.	2.5	76
58	Dose-independent kinetics with low level exposure to nicotine and cotinine. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 277-279.	2.4	3
59	Nicotelline: A Proposed Biomarker and Environmental Tracer for Particulate Matter Derived from Tobacco Smoke. <i>Chemical Research in Toxicology</i> , 2013, 26, 1615-1631.	3.3	37
60	Thirdhand smoke causes DNA damage in human cells. <i>Mutagenesis</i> , 2013, 28, 381-391.	2.6	131
61	Stability of the Nicotine Metabolite Ratio in Smokers of Progressively Reduced Nicotine Content Cigarettes. <i>Nicotine and Tobacco Research</i> , 2013, 15, 1939-1942.	2.6	24
62	Levels of Cotinine in Dried Blood Specimens from Newborns as a Biomarker of Maternal Smoking Close to the Time of Delivery. <i>American Journal of Epidemiology</i> , 2013, 178, 1648-1654.	3.4	21
63	Thirty Minute-Exposure to Aged Cigarette Smoke Increases Nasal Congestion in Nonsmokers. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013, 76, 601-613.	2.3	8
64	Comparison of Nicotine and Carcinogen Exposure with Water Pipe and Cigarette Smoking. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013, 22, 765-772.	2.5	128
65	Racial differences in the relationship between tobacco dependence and nicotine and carcinogen exposure. <i>Addiction</i> , 2013, 108, 607-617.	3.3	35
66	Determination of Tobacco Smoke Exposure by Plasma Cotinine Levels in Infants and Children Attending Urban Public Hospital Clinics. <i>JAMA Pediatrics</i> , 2012, 166, 851.	3.0	48
67	Reproducibility of the Nicotine Metabolite Ratio in Cigarette Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 1105-1114.	2.5	96
68	Exposure to Nicotine and Carcinogens among Southwestern Alaskan Native Cigarette Smokers and Smokeless Tobacco Users. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 934-942.	2.5	32
69	Smoking Behavior and Exposure to Tobacco Toxicants during 6 Months of Smoking Progressively Reduced Nicotine Content Cigarettes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 761-769.	2.5	132
70	Exposure and Kinetics of Polycyclic Aromatic Hydrocarbons (PAHs) in Cigarette Smokers. <i>Chemical Research in Toxicology</i> , 2012, 25, 952-964.	3.3	102
71	Comparison of Urine Cotinine and the Tobacco-Specific Nitrosamine Metabolite 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol (NNAL) and Their Ratio to Discriminate Active From Passive Smoking. <i>Nicotine and Tobacco Research</i> , 2011, 13, 202-208.	2.6	129
72	Biomarkers increase detection of active smoking and secondhand smoke exposure in critically ill patients*. <i>Critical Care Medicine</i> , 2011, 39, 40-45.	0.9	60

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73	Determination of the nicotine metabolites cotinine and trans-3- $\beta$ -hydroxycotinine in biologic fluids of smokers and non-smokers using liquid chromatography-tandem mass spectrometry: Biomarkers for tobacco smoke exposure and for phenotyping cytochrome P450 2A6 activity. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 267-276.	2.3	185
74	Nicotine, Carbon Monoxide, and Carcinogen Exposure after a Single Use of a Water Pipe. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011, 20, 2345-2353.	2.5	113
75	Racial Differences in the Relationship Between Number of Cigarettes Smoked and Nicotine and Carcinogen Exposure. <i>Nicotine and Tobacco Research</i> , 2011, 13, 772-783.	2.6	105
76	Attitudes and Practices of Hookah Smokers in the San Francisco Bay Area. <i>Journal of Psychoactive Drugs</i> , 2011, 43, 146-152.	1.7	39
77	Thirdhand Tobacco Smoke: Emerging Evidence and Arguments for a Multidisciplinary Research Agenda. <i>Environmental Health Perspectives</i> , 2011, 119, 1218-1226.	6.0	355
78	Urine Menthol as a Biomarker of Mentholated Cigarette Smoking. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 3013-3019.	2.5	38
79	Estimation of Nicotine Dose after Low-level Exposure Using Plasma and Urine Nicotine Metabolites. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 1160-1166.	2.5	46
80	Urine Cotinine Underestimates Exposure to the Tobacco-Derived Lung Carcinogen 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol in Passive Compared with Active Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 2795-2800.	2.5	37
81	Formation of carcinogens indoors by surface-mediated reactions of nicotine with nitrous acid, leading to potential thirdhand smoke hazards. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6576-6581.	7.1	351
82	Environmental and biological monitoring of exposures to PAHs and ETS in the general population. <i>Environment International</i> , 2010, 36, 763-771.	10.0	92
83	Elimination Kinetics of the Tobacco-Specific Biomarker and Lung Carcinogen 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009, 18, 3421-3425.	2.5	131
84	Longer term exposure to secondhand smoke and health outcomes in COPD: Impact of urine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Nicotine and Tobacco Research</i> , 2009, 11, 945-953.	2.6	31
85	Progressive Commercial Cigarette Yield Reduction: Biochemical Exposure and Behavioral Assessment. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009, 18, 876-883.	2.5	30
86	Interlaboratory comparability of serum cotinine measurements at smoker and nonsmoker concentration levels: A round-robin study. <i>Nicotine and Tobacco Research</i> , 2009, 11, 1458-1466.	2.6	65
87	Nicotine Chemistry, Metabolism, Kinetics and Biomarkers. <i>Handbook of Experimental Pharmacology</i> , 2009, , 29-60.	1.8	1,045
88	Subpicogram per Milliliter Determination of the Tobacco-Specific Carcinogen Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol in Human Urine Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 8115-8121.	6.5	104
89	Nicotine and Carcinogen Exposure with Smoking of Progressively Reduced Nicotine Content Cigarette. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007, 16, 2479-2485.	2.5	130
90	Secondhand smoke exposure in Mexican discotheques. <i>Nicotine and Tobacco Research</i> , 2007, 9, 1021-1026.	2.6	13

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91	Relationship of Human Toenail Nicotine, Cotinine, and 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol to Levels of These Biomarkers in Plasma and Urine. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007, 16, 1382-1386.	2.5	29
92	Determination of Phenolic Metabolites of Polycyclic Aromatic Hydrocarbons in Human Urine as Their Pentafluorobenzyl Ether Derivatives Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 587-598.	6.5	89
93	Female sex and oral contraceptive use accelerate nicotine metabolism. <i>Clinical Pharmacology and Therapeutics</i> , 2006, 79, 480-488.	4.7	396
94	Metabolism and Disposition Kinetics of Nicotine. <i>Pharmacological Reviews</i> , 2005, 57, 79-115.	16.0	1,298
95	Nicotine metabolite ratio as an index of cytochrome P450 2A6 metabolic activity*1. <i>Clinical Pharmacology and Therapeutics</i> , 2004, 76, 64-72.	4.7	366
96	Determination of Ephedra Alkaloid and Caffeine Concentrations in Dietary Supplements and Biological Fluids. <i>Journal of Analytical Toxicology</i> , 2004, 28, 152-159.	2.8	31
97	Determination of 4-Hydroxy-3-methoxyphenylethylene Glycol 4-Sulfate in Human Urine Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 5290-5296.	6.5	21
98	Anabasine and anatabine as biomarkers for tobacco use during nicotine replacement therapy. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2002, 11, 1668-73.	2.5	58
99	Facile Pyridoxal-Catalyzed Racemization of Nornicotine and Related Compounds. <i>Journal of Organic Chemistry</i> , 1996, 61, 2916-2917.	3.2	7
100	Determination of the nicotine metabolite trans-3-hydroxycotinine in urine of smokers using gas chromatography with nitrogen-selective detection or selected ion monitoring. <i>Biomedical Applications</i> , 1992, 583, 145-154.	1.7	40
101	Selected ion monitoring method for determination of nicotine, cotinine and deuterium-labeled analogs: Absence of an isotope effect in the clearance of (S)-nicotine-3,3-d <sub>2</sub> in humans. <i>Biological Mass Spectrometry</i> , 1991, 20, 247-252.	0.5	219
102	Synthesis of (3'R,5'S)-trans-3'-hydroxycotinine, a major metabolite of nicotine. Metabolic formation of 3'-hydroxycotinine in humans is highly stereoselective. <i>Journal of Medicinal Chemistry</i> , 1990, 33, 1888-1891.	6.4	25
103	Brain Phenobarbital Uptake during Prolonged Status Epilepticus. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1987, 7, 783-788.	4.3	18
104	Impaired Metabolism of Methylphenobarbital after a Combined Drug Overdose: Treatment by Resin Hemoperfusion. <i>Journal of Toxicology: Clinical Toxicology</i> , 1982, 19, 187-196.	1.5	2
105	Improved gas chromatographic method for the determination of nicotine and cotinine in biologic fluids. <i>Biomedical Applications</i> , 1981, 222, 61-70.	1.7	426
106	Presystemic metabolism of meperidine to normeperidine in normal and cirrhotic subjects. <i>Clinical Pharmacology and Therapeutics</i> , 1981, 30, 183-188.	4.7	48