

Rachel F Tyndale

List of Publications by Year in descending order

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Version: 2024-02-01

360
papers

17,617
citations

13865

67
h-index

23533

111
g-index

365
all docs

365
docs citations

365
times ranked

14068
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines on nicotine dose selection for in vivo research. <i>Psychopharmacology</i> , 2007, 190, 269-319.	3.1	694
2	Large-scale association analysis identifies new lung cancer susceptibility loci and heterogeneity in genetic susceptibility across histological subtypes. <i>Nature Genetics</i> , 2017, 49, 1126-1132.	21.4	472
3	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
4	Nicotine metabolism defect reduces smoking. <i>Nature</i> , 1998, 393, 750-750.	27.8	359
5	Incorporation of Pharmacogenomics into Routine Clinical Practice: the Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline Development Process. <i>Current Drug Metabolism</i> , 2014, 15, 209-217.	1.2	341
6	Ethnic variation in CYP2A6 and association of genetically slow nicotine metabolism and smoking in adult Caucasians. <i>Pharmacogenetics and Genomics</i> , 2004, 14, 615-626.	5.7	279
7	Use of the nicotine metabolite ratio as a genetically informed biomarker of response to nicotine patch or varenicline for smoking cessation: a randomised, double-blind placebo-controlled trial. <i>Lancet Respiratory Medicine</i> , 2015, 3, 131-138.	10.7	247
8	Nicotine metabolite ratio predicts efficacy of transdermal nicotine for smoking cessation. <i>Clinical Pharmacology and Therapeutics</i> , 2006, 79, 600-608.	4.7	242
9	Nicotine-dependence symptoms are associated with smoking frequency in adolescents. <i>American Journal of Preventive Medicine</i> , 2003, 25, 219-225.	3.0	236
10	Implications of CYP2A6 Genetic Variation for Smoking Behaviors and Nicotine Dependence*. <i>Clinical Pharmacology and Therapeutics</i> , 2005, 77, 145-158.	4.7	231
11	Inhibition of Cytochromes P450 by Antifungal Imidazole Derivatives. <i>Drug Metabolism and Disposition</i> , 2002, 30, 314-318.	3.3	223
12	Duplications and Defects in the CYP2A6 Gene: Identification, Genotyping, and In Vivo Effects on Smoking. <i>Molecular Pharmacology</i> , 2000, 58, 747-755.	2.3	222
13	Genetics of alcohol and tobacco use in humans. <i>Annals of Medicine</i> , 2003, 35, 94-121.	3.8	206
14	Cytochrome P450 enzymes in the brain: emerging evidence of biological significance. <i>Trends in Pharmacological Sciences</i> , 2011, 32, 708-714.	8.7	205
15	The dopamine transporter and cytochrome P450IID1 (debrisoquine 4-hydroxylase) in brain: Resolution and identification of two distinct [3H]GBR-12935 binding proteins. <i>Archives of Biochemistry and Biophysics</i> , 1990, 276, 424-432.	3.0	203
16	Nicotine metabolic rate predicts successful smoking cessation with transdermal nicotine: A validation study. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 92, 6-11.	2.9	200
17	Smoking, alcoholism and genetic polymorphisms alter CYP2B6 levels in human brain. <i>Neuropharmacology</i> , 2003, 45, 122-132.	4.1	188
18	CYP2A6 genotype and the metabolism and disposition kinetics of nicotine. <i>Clinical Pharmacology and Therapeutics</i> , 2006, 80, 457-467.	4.7	184

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19	Relationship Between CYP2A6 and CHRNA5-CHRNA3-CHRNA4 Variation and Smoking Behaviors and Lung Cancer Risk. <i>Journal of the National Cancer Institute</i> , 2011, 103, 1342-1346.	6.3	168
20	Identification of a new variant CYP2D6 allele lacking the codon encoding Lys-281: possible association with the poor metabolizer phenotype. <i>Pharmacogenetics and Genomics</i> , 1991, 1, 26-32.	5.7	152
21	Inhibition of cytochrome P450 2A6 increases nicotine's oral bioavailability and decreases smoking. <i>Clinical Pharmacology and Therapeutics</i> , 2000, 68, 35-43.	4.7	146
22	Association of Nicotine Metabolite Ratio and CYP2A6 Genotype With Smoking Cessation Treatment in African-American Light Smokers. <i>Clinical Pharmacology and Therapeutics</i> , 2009, 85, 635-643.	4.7	146
23	Three-dimensional culture and cAMP signaling promote the maturation of human pluripotent stem cell-derived hepatocytes. <i>Development (Cambridge)</i> , 2013, 140, 3285-3296.	2.5	138
24	Genetically deficient CYP2D6 metabolism provides protection against oral opiate dependence. <i>Pharmacogenetics and Genomics</i> , 1997, 7, 375-379.	5.7	131
25	Regional and cellular expression of CYP2D6 in human brain: higher levels in alcoholics. <i>Journal of Neurochemistry</i> , 2002, 82, 1376-1387.	3.9	129
26	Evidence of Association between Smoking and $\alpha 7$ Nicotinic Receptor Subunit Gene in Schizophrenia Patients. <i>Neuropsychopharmacology</i> , 2004, 29, 1522-1526.	5.4	129
27	Nicotinic acetylcholine receptor $\alpha 2$ subunit gene implicated in a systems-based candidate gene study of smoking cessation. <i>Human Molecular Genetics</i> , 2008, 17, 2834-2848.	2.9	129
28	The Role of CYP2A6 in the Emergence of Nicotine Dependence in Adolescents. <i>Pediatrics</i> , 2007, 119, e264-e274.	2.1	125
29	Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline for <i>CYP2B6</i> and Efavirenz-Containing Antiretroviral Therapy. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 106, 726-733.	4.7	125
30	The Unique Regulation of Brain Cytochrome P450 2 (CYP2) Family Enzymes by Drugs and Genetics. <i>Drug Metabolism Reviews</i> , 2004, 36, 313-333.	3.6	124
31	CYP2B6 Genotype Alters Abstinence Rates in a Bupropion Smoking Cessation Trial. <i>Biological Psychiatry</i> , 2007, 62, 635-641.	1.3	124
32	Drug-metabolizing cytochrome P450s in the brain. <i>Journal of Psychiatry and Neuroscience</i> , 2002, 27, 406-15.	2.4	120
33	Brain CYP2E1 is induced by nicotine and ethanol in rat and is higher in smokers and alcoholics. <i>British Journal of Pharmacology</i> , 2003, 138, 1376-1386.	5.4	119
34	Genetic Variation in CYP2A6-Mediated Nicotine Metabolism Alters Smoking Behavior. <i>Therapeutic Drug Monitoring</i> , 2002, 24, 163-171.	2.0	118
35	CYP2A6 genetic variation and potential consequences. <i>Advanced Drug Delivery Reviews</i> , 2002, 54, 1245-1256.	13.7	118
36	Epigenome-wide association study of serum cotinine in current smokers reveals novel genetically driven loci. <i>Clinical Epigenetics</i> , 2019, 11, 1.	4.1	116

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37	A cluster of three GABAA receptor subunit genes is deleted in a neurological mutant of the mouse p locus. <i>Nature</i> , 1993, 364, 448-450.	27.8	114
38	PharmGKB summary. <i>Pharmacogenetics and Genomics</i> , 2012, 22, 695-708.	1.5	114
39	Regional and cellular induction of nicotine-metabolizing CYP2B1 in rat brain by chronic nicotine treatment. <i>Biochemical Pharmacology</i> , 2000, 59, 1501-1511.	4.4	113
40	Chronic oral nicotine treatment protects against striatal degeneration in MPTP-treated primates. <i>Journal of Neurochemistry</i> , 2006, 98, 1866-1875.	3.9	113
41	Nicotine Dependence Pharmacogenetics: Role of Genetic Variation in Nicotine-Metabolizing Enzymes. <i>Journal of Neurogenetics</i> , 2009, 23, 252-261.	1.4	111
42	PharmVar GeneFocus: <i>CYP2B6</i> . <i>Clinical Pharmacology and Therapeutics</i> , 2021, 110, 82-97.	4.7	108
43	A Genome-Wide Association Study of a Biomarker of Nicotine Metabolism. <i>PLoS Genetics</i> , 2015, 11, e1005498.	3.5	107
44	l-bogaine: Complex Pharmacokinetics, Concerns for Safety, and Preliminary Efficacy Measures. <i>Annals of the New York Academy of Sciences</i> , 2000, 914, 394-401.	3.8	106
45	Cytochrome P450-mediated drug metabolism in the brain. <i>Journal of Psychiatry and Neuroscience</i> , 2013, 38, 152-163.	2.4	103
46	Nicotine Metabolite Ratio Predicts Smoking Topography and Carcinogen Biomarker Level. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011, 20, 234-238.	2.5	101
47	Known and Novel Sources of Variability in the Nicotine Metabolite Ratio in a Large Sample of Treatment-Seeking Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 1773-1782.	2.5	101
48	Genetic variability in <i>CYP2A6</i> and the pharmacokinetics of nicotine. <i>Pharmacogenomics</i> , 2007, 8, 1385-1402.	1.3	100
49	Variation in <i>CYP2A6</i> Activity and Personalized Medicine. <i>Journal of Personalized Medicine</i> , 2017, 7, 18.	2.5	99
50	The fatty acid amide hydrolase C385A (P129T) missense variant in cannabis users: Studies of drug use and dependence in caucasians. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2007, 144B, 660-666.	1.7	97
51	Case-control study of genotypes in multiple chemical sensitivity: <i>CYP2D6</i> , <i>NAT1</i> , <i>NAT2</i> , <i>PON1</i> , <i>PON2</i> and <i>MTHFR</i> . <i>International Journal of Epidemiology</i> , 2004, 33, 971-978.	1.9	96
52	Reproducibility of the Nicotine Metabolite Ratio in Cigarette Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 1105-1114.	2.5	96
53	Intercellular Calcium Waves in Neurons. <i>Molecular and Cellular Neurosciences</i> , 1996, 7, 337-353.	2.2	95
54	Cytochrome P450 2D6.1 and cytochrome P450 2D6.10 differ in catalytic activity for multiple substrates. <i>Pharmacogenetics and Genomics</i> , 2001, 11, 477-487.	5.7	90

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55	Comparison of three CYP2D6 probe substrates and genotype in Ghanaians, Chinese and Caucasians. <i>Pharmacogenetics and Genomics</i> , 1998, 8, 325-333.	5.7	85
56	Nicotinic acetylcholine receptor variation and response to smoking cessation therapies. <i>Pharmacogenetics and Genomics</i> , 2013, 23, 94-103.	1.5	85
57	NAD(P)H:quinone oxidoreductase: polymorphisms and allele frequencies in Caucasian, Chinese and Canadian Native Indian and Inuit populations. <i>Pharmacogenetics and Genomics</i> , 1998, 8, 305-313.	5.7	82
58	Characterization and Comparison of Nicotine and Cotinine Metabolism in Vitro and in Vivo in DBA/2 and C57BL/6 Mice. <i>Molecular Pharmacology</i> , 2007, 71, 826-834.	2.3	80
59	Nicotine physical dependence and tolerance in the mouse following chronic oral administration. <i>Psychopharmacology</i> , 2005, 178, 183-192.	3.1	79
60	An association of CYP2A6 genotype and smoking topography. <i>Nicotine and Tobacco Research</i> , 2007, 9, 511-518.	2.6	78
61	The Ability of Plasma Cotinine to Predict Nicotine and Carcinogen Exposure is Altered by Differences in CYP2A6: the Influence of Genetics, Race, and Sex. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013, 22, 708-718.	2.5	77
62	Bupropion for Smoking Cessation in African American Light Smokers: A Randomized Controlled Trial. <i>Journal of the National Cancer Institute</i> , 2012, 104, 290-298.	6.3	74
63	Decreasing smoking behaviour and risk through CYP2A6 inhibition. <i>Drug Discovery Today</i> , 2003, 8, 487-493.	6.4	72
64	Induction of the drug metabolizing enzyme CYP2D in monkey brain by chronic nicotine treatment. <i>Neuropharmacology</i> , 2008, 55, 1147-1155.	4.1	72
65	Genetic and environmental influences on the ratio of 3- β -hydroxycotinine to cotinine in plasma and urine. <i>Pharmacogenetics and Genomics</i> , 2009, 19, 388-398.	1.5	72
66	CYP2B6 and Bupropion's Smoking-Cessation Pharmacology: The Role of Hydroxybupropion. <i>Clinical Pharmacology and Therapeutics</i> , 2012, 92, 771-777.	4.7	72
67	Chapter 8 Ibogaine in the treatment of heroin withdrawal. <i>The Alkaloids Chemistry and Biology</i> , 2001, 56, 155-171.	2.0	71
68	Nicotine self-administration in mice is associated with rates of nicotine inactivation by CYP2A5. <i>Psychopharmacology</i> , 2006, 184, 401-408.	3.1	71
69	Effects of Menthol on Nicotine Pharmacokinetic, Pharmacology and Dependence in Mice. <i>PLoS ONE</i> , 2015, 10, e0137070.	2.5	71
70	Non-Nicotinic Therapies for Smoking Cessation. <i>Annual Review of Pharmacology and Toxicology</i> , 2007, 47, 541-564.	9.4	69
71	Novel and established CYP2A6 alleles impair in vivo nicotine metabolism in a population of Black African descent. <i>Human Mutation</i> , 2008, 29, 679-688.	2.5	69
72	Nicotine metabolism: the impact of CYP2A6 on estimates of additive genetic influence. <i>Pharmacogenetics and Genomics</i> , 2005, 15, 115-125.	1.5	68

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73	The neuroprotective enzyme CYP2D6 increases in the brain with age and is lower in Parkinson's disease patients. <i>Neurobiology of Aging</i> , 2012, 33, 2160-2171.	3.1	68
74	Genetic Relationship between Schizophrenia and Nicotine Dependence. <i>Scientific Reports</i> , 2016, 6, 25671.	3.3	67
75	Nicotine metabolism and CYP2A6 activity in a population of black African descent: Impact of gender and light smoking. <i>Drug and Alcohol Dependence</i> , 2007, 89, 24-33.	3.2	66
76	The Human Dopamine D5 Receptor Gene: Cloning and Characterization of the 5'-Flanking and Promoter Region. <i>Biochemistry</i> , 1995, 34, 5960-5970.	2.5	65
77	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
78	Cohort Profile: The Nicotine Dependence in Teens (NDIT) Study. <i>International Journal of Epidemiology</i> , 2015, 44, 1537-1546.	1.9	62
79	Identification of susceptibility pathways for the role of chromosome 15q25.1 in modifying lung cancer risk. <i>Nature Communications</i> , 2018, 9, 3221.	12.8	60
80	The effect of methoxsalen on nicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) metabolism in vivo. <i>Nicotine and Tobacco Research</i> , 2003, 5, 891-899.	2.6	59
81	Cytochrome P450 2D6 enzyme neuroprotects against 1-methyl-4-phenylpyridinium toxicity in SH-SY5Y neuronal cells. <i>European Journal of Neuroscience</i> , 2010, 31, 1185-1193.	2.6	59
82	CYP-mediated drug metabolism in the brain impacts drug response. , 2018, 184, 189-200.		59
83	Potential role of CYP2D6 in the central nervous system. <i>Xenobiotica</i> , 2013, 43, 973-984.	1.1	58
84	CYP2A6 slow nicotine metabolism is associated with increased quitting by adolescent smokers. <i>Pharmacogenetics and Genomics</i> , 2013, 23, 232-235.	1.5	58
85	The Fatty Acid Amide Hydrolase C385A Variant Affects Brain Binding of the Positron Emission Tomography Tracer [¹¹ C]CURB. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1237-1240.	4.3	58
86	Cytochrome P450 2C9 (CYP2C9) allele frequencies in Canadian Native Indian and Inuit populations. <i>Canadian Journal of Physiology and Pharmacology</i> , 2001, 79, 841-847.	1.4	57
87	Reduced (±)-3,4-methylenedioxymethamphetamine (Ecstasy) metabolism with cytochrome P450 2D6 inhibitors and pharmacogenetic variants in vitro. <i>Biochemical Pharmacology</i> , 2002, 63, 2111-2119.	4.4	57
88	Down-Regulation of Hepatic Nicotine Metabolism and a CYP2A6-Like Enzyme in African Green Monkeys after Long-Term Nicotine Administration. <i>Molecular Pharmacology</i> , 2003, 63, 96-104.	2.3	57
89	CYP2A6 Genotype, Phenotype, and the Use of Nicotine Metabolites as Biomarkers during Ad libitum Smoking. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 1812-1819.	2.5	57
90	Induction of nicotine-metabolizing CYP2B1 by ethanol and ethanol-metabolizing CYP2E1 by nicotine: summary and implications. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1619, 283-290.	2.4	55

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91	Hepatic CYP2A6 levels and nicotine metabolism: impact of genetic, physiological, environmental, and epigenetic factors. <i>European Journal of Clinical Pharmacology</i> , 2010, 66, 239-251.	1.9	55
92	Influence of CYP2B6 genetic variants on plasma and urine concentrations of bupropion and metabolites at steady state. <i>Pharmacogenetics and Genomics</i> , 2013, 23, 135-141.	1.5	55
93	The relationship between the nicotine metabolite ratio and three self-report measures of nicotine dependence across sex and race. <i>Psychopharmacology</i> , 2014, 231, 2515-2523.	3.1	55
94	The role of pharmacogenetically-variable cytochrome P450 enzymes in. <i>Pharmacogenomics</i> , 2002, 3, 185-199.	1.3	53
95	Nicotine Pharmacokinetics in Rats Is Altered as a Function of Age, Impacting the Interpretation of Animal Model Data. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1447-1455.	3.3	53
96	Fatty Acid Amide Hydrolase Binding in Brain of Cannabis Users: Imaging With the Novel Radiotracer [11C]CURB. <i>Biological Psychiatry</i> , 2016, 80, 691-701.	1.3	53
97	Interactions between age and the aversive effects of nicotine withdrawal under mecamylamine-precipitated and spontaneous conditions in male Wistar rats. <i>Psychopharmacology</i> , 2008, 198, 181-190.	3.1	52
98	Brain Drug-Metabolizing Cytochrome P450 Enzymes are Active In Vivo, Demonstrated by Mechanism-Based Enzyme Inhibition. <i>Neuropsychopharmacology</i> , 2009, 34, 634-640.	5.4	52
99	Factors That Explain Differences in Abstinence Between Black and White Smokers: A Prospective Intervention Study. <i>Journal of the National Cancer Institute</i> , 2019, 111, 1078-1087.	6.3	52
100	Molecular Genetics of Nicotine Metabolism. <i>Handbook of Experimental Pharmacology</i> , 2009, , 235-259.	1.8	52
101	INTERACTION OF BUPRENORPHINE AND ITS METABOLITE NORBUPRENORPHINE WITH CYTOCHROMES P450 IN VITRO. <i>Drug Metabolism and Disposition</i> , 2003, 31, 768-772.	3.3	51
102	Rat Brain CYP2B-Enzymatic Activation of Chlorpyrifos to the Oxon Mediates Cholinergic Neurotoxicity. <i>Toxicological Sciences</i> , 2012, 126, 325-335.	3.1	51
103	Racial differences in the relationship between rate of nicotine metabolism and nicotine intake from cigarette smoking. <i>Pharmacology Biochemistry and Behavior</i> , 2016, 148, 1-7.	2.9	51
104	CYP2E1*1D regulatory polymorphism. <i>Pharmacogenetics and Genomics</i> , 2003, 13, 321-328.	5.7	50
105	A novel CYP2A6 allele, CYP2A6*23, impairs enzyme function in vitro and in vivo and decreases smoking in a population of Black-African descent. <i>Pharmacogenetics and Genomics</i> , 2008, 18, 67-75.	1.5	50
106	Factors influencing cotinine half-life during smoking abstinence in African American and Caucasian women. <i>Nicotine and Tobacco Research</i> , 2002, 4, 423-431.	2.6	49
107	Association of CHRNA5-A3-B4 SNP rs2036527 With Smoking Cessation Therapy Response in African-American Smokers. <i>Clinical Pharmacology and Therapeutics</i> , 2014, 96, 256-265.	4.7	49
108	Sex difference in dopamine D1-D2 receptor complex expression and signaling affects depression- and anxiety-like behaviors. <i>Biology of Sex Differences</i> , 2020, 11, 8.	4.1	49

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109	Altered GABA _A Receptor Subunit and Splice Variant Expression in Rats Treated With Chronic Intermittent Ethanol. <i>Alcoholism: Clinical and Experimental Research</i> , 2001, 25, 819-828.	2.4	48
110	Identification of Novel CYP2A6*1B Variants: The CYP2A6*1B Allele is Associated With Faster In Vivo Nicotine Metabolism. <i>Clinical Pharmacology and Therapeutics</i> , 2008, 83, 115-121.	4.7	48
111	Ethnic variability in the allelic distribution of human aryl hydrocarbon receptor codon 554 and assessment of variant receptor function in vitro. <i>Pharmacogenetics and Genomics</i> , 2001, 11, 85-94.	5.7	47
112	Hepatic CYP2B6 is altered by genetic, physiologic, and environmental factors but plays little role in nicotine metabolism. <i>Xenobiotica</i> , 2010, 40, 381-392.	1.1	46
113	Associations of CYP2A6 genotype with smoking behaviors in southern China. <i>Addiction</i> , 2011, 106, 985-994.	3.3	46
114	Sex differences in tobacco withdrawal and responses to smoking reduced-nicotine cigarettes in young smokers. <i>Psychopharmacology</i> , 2018, 235, 193-202.	3.1	46
115	Psychotropic Effects of Dextromethorphan Are Altered by the CYP2D6 Polymorphism. <i>Journal of Clinical Psychopharmacology</i> , 1998, 18, 332-337.	1.4	46
116	Inhibition of Cytochrome P450 2D6 Modifies Codeine Abuse Liability. <i>Journal of Clinical Psychopharmacology</i> , 2000, 20, 435-444.	1.4	46
117	Chronic nicotine treatment induces rat CYP2D in the brain but not in the liver: an investigation of induction and time course. <i>Journal of Psychiatry and Neuroscience</i> , 2008, 33, 54-63.	2.4	46
118	HUMAN CYP2D6 AND MOUSE CYP2D5: ORGAN DISTRIBUTION IN A HUMANIZED MOUSE MODEL. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1495-1502.	3.3	45
119	Genetic variation in CYP2A6 predicts neural reactivity to smoking cues as measured using fMRI. <i>NeuroImage</i> , 2012, 60, 2136-2143.	4.2	45
120	Alaska Native smokers and smokeless tobacco users with slower CYP2A6 activity have lower tobacco consumption, lower tobacco-specific nitrosamine exposure and lower tobacco-specific nitrosamine bioactivation. <i>Carcinogenesis</i> , 2013, 34, 93-101.	2.8	45
121	Rate of Nicotine Metabolism and Smoking Cessation Outcomes in a Community-based Sample of Treatment-Seeking Smokers. <i>Addictive Behaviors</i> , 2015, 51, 93-99.	3.0	45
122	Genome-wide association study of a nicotine metabolism biomarker in African American smokers: impact of chromosome 19 genetic influences. <i>Addiction</i> , 2018, 113, 509-523.	3.3	45
123	Genome-wide association meta-analysis of nicotine metabolism and cigarette consumption measures in smokers of European descent. <i>Molecular Psychiatry</i> , 2021, 26, 2212-2223.	7.9	45
124	Evaluating the temporal relationships between withdrawal symptoms and smoking relapse.. <i>Psychology of Addictive Behaviors</i> , 2019, 33, 105-116.	2.1	45
125	INDUCTION AND RECOVERY TIME COURSE OF RAT BRAIN CYP2E1 AFTER NICOTINE TREATMENT. <i>Drug Metabolism and Disposition</i> , 2006, 34, 647-652.	3.3	44
126	Drug Metabolism within the Brain Changes Drug Response: Selective Manipulation of Brain CYP2B Alters Propofol Effects. <i>Neuropsychopharmacology</i> , 2011, 36, 692-700.	5.4	44

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127	Effect of a Nicotine Vaccine on Nicotine Binding to $\alpha 2$ -Nicotinic Acetylcholine Receptors In Vivo in Human Tobacco Smokers. <i>American Journal of Psychiatry</i> , 2013, 170, 399-407.	7.2	44
128	Rat Hepatic CYP2E1 Is Induced by Very Low Nicotine Doses: An Investigation of Induction, Time Course, Dose Response, and Mechanism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 306, 941-947.	2.5	42
129	CYP2B6 is expressed in African Green monkey brain and is induced by chronic nicotine treatment. <i>Neuropharmacology</i> , 2006, 50, 441-450.	4.1	42
130	Regional and cellular distribution of CYP2E1 in monkey brain and its induction by chronic nicotine. <i>Neuropharmacology</i> , 2006, 50, 568-575.	4.1	42
131	CYP2B6 Genotype Does Not Alter Nicotine Metabolism, Plasma Levels, or Abstinence with Nicotine Replacement Therapy. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007, 16, 1312-1314.	2.5	42
132	CYP2A6 genetic variation and dexmedetomidine disposition. <i>European Journal of Clinical Pharmacology</i> , 2012, 68, 937-942.	1.9	42
133	Pharmacogenetics of Nicotine and Associated Smoking Behaviors. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 23, 37-86.	1.7	42
134	Genome-Wide Meta-Analysis of Cotinine Levels in Cigarette Smokers Identifies Locus at 4q13.2. <i>Scientific Reports</i> , 2016, 6, 20092.	3.3	42
135	Global Pharmacogenomics Within Precision Medicine: Challenges and Opportunities. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 107, 57-61.	4.7	42
136	Increases in $\alpha 4$ but not $\alpha 3/\alpha 6$ nicotinic receptor sites and function in the primate striatum following chronic oral nicotine treatment. <i>Journal of Neurochemistry</i> , 2006, 96, 1028-1041.	3.9	41
137	Selegiline Is a Mechanism-Based Inactivator of CYP2A6 Inhibiting Nicotine Metabolism in Humans and Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 992-999.	2.5	41
138	Dopamine Genes and Nicotine Dependence in Treatment-Seeking and Community Smokers. <i>Neuropsychopharmacology</i> , 2009, 34, 2252-2264.	5.4	41
139	CYP2A6 reduced activity gene variants confer reduction in lung cancer risk in African American smokers—findings from two independent populations. <i>Carcinogenesis</i> , 2015, 36, 99-103.	2.8	41
140	Effect of Mailing Nicotine Patches on Tobacco Cessation Among Adult Smokers. <i>JAMA Internal Medicine</i> , 2016, 176, 184.	5.1	41
141	Mimicking Gene Defects to Treat Drug Dependence. <i>Annals of the New York Academy of Sciences</i> , 2000, 909, 233-246.	3.8	40
142	Lack of Associations of CHRNA5-A3-B4 Genetic Variants with Smoking Cessation Treatment Outcomes in Caucasian Smokers despite Associations with Baseline Smoking. <i>PLoS ONE</i> , 2015, 10, e0128109.	2.5	40
143	CYP2A6 and CYP2B6 genetic variation and its association with nicotine metabolism in South Western Alaska Native people. <i>Pharmacogenetics and Genomics</i> , 2012, 22, 429-440.	1.5	39
144	Variation in Trans-3-Hydroxycotinine Glucuronidation Does Not Alter the Nicotine Metabolite Ratio or Nicotine Intake. <i>PLoS ONE</i> , 2013, 8, e70938.	2.5	39

#	ARTICLE	IF	CITATIONS
145	Canadian Native Indians exhibit unique CYP2A6 and CYP2C19 mutant allele frequencies*. <i>Clinical Pharmacology and Therapeutics</i> , 1998, 64, 378-383.	4.7	38
146	Dopaminergic Signaling Mediates the Motivational Response Underlying the Opponent Process to Chronic but Not Acute Nicotine. <i>Neuropsychopharmacology</i> , 2010, 35, 943-954.	5.4	38
147	Nicotine Increases Codeine Analgesia Through the Induction of Brain CYP2D and Central Activation of Codeine to Morphine. <i>Neuropsychopharmacology</i> , 2015, 40, 1804-1812.	5.4	38
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149	A novel CYP2A6 allele (CYP2A6*35) resulting in an amino-acid substitution (Asn438Tyr) is associated with lower CYP2A6 activity in vivo. <i>Pharmacogenomics Journal</i> , 2009, 9, 274-282.	2.0	37
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152	Cardiovascular benefits of tyrosol and its endogenous conversion into hydroxytyrosol in humans. A randomized, controlled trial. <i>Free Radical Biology and Medicine</i> , 2019, 143, 471-481.	2.9	36
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156	Pharmacogenetic Optimization of Smoking Cessation Treatment. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 55-66.	8.7	35
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158	Induction of CYP2B1/2 and nicotine metabolism by ethanol in rat liver but not rat brain. Abbreviations: CYP, cytochrome P450; C8 xanthate, potassium octylxanthate; NCO, nicotine C-oxidation; NDMA, N-nitrosodimethylamine; NMA, N-nitroso-N-methylaniline; NNK, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone; and SSC, saline-sodium citrate buffer.. <i>Biochemical Pharmacology</i> , 2001, 62, 1025-1036.	4.4	33
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