

# Santosh Kumar

## List of Publications by Year in descending order

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138  
papers

3,597  
citations

117625

34  
h-index

189892

50  
g-index

255  
all docs

255  
docs citations

255  
times ranked

4305  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy of Extended-Release Injectable Naltrexone on Alcohol Use Disorder Treatment: A Systematic Review. <i>Journal of Psychoactive Drugs</i> , 2023, 55, 233-245.	1.7	0
2	Lost in Translation: Neurotrophins Biology and Function in the Neurovascular Unit. <i>Neuroscientist</i> , 2023, 29, 694-714.	3.5	4
3	Extracellular vesicles in obesity and its associated inflammation. <i>International Reviews of Immunology</i> , 2022, 41, 30-44.	3.3	12
4	Nutraceuticals in HIV and COVID-19-Related Neurological Complications: Opportunity to Use Extracellular Vesicles as Drug Delivery Modality. <i>Biology</i> , 2022, 11, 177.	2.8	5
5	Targeted Drug Delivery to the Central Nervous System Using Extracellular Vesicles. <i>Pharmaceuticals</i> , 2022, 15, 358.	3.8	19
6	A Study of the MTHFR Gene Prevalence in a Rural Tennessee Opioid Use Disorder Treatment Center Population. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3255.	2.6	0
7	High-Fat Diet-Induced Dysregulation of Immune Cells Correlates with Macrophage Phenotypes and Chronic Inflammation in Adipose Tissue. <i>Cells</i> , 2022, 11, 1327.	4.1	20
8	Reactive Oxygen Species in Regulating Lymphangiogenesis and Lymphatic Function. <i>Cells</i> , 2022, 11, 1750.	4.1	9
9	The 26 <sup>th</sup> Scientific Conference of the Society on NeuroImmune Pharmacology: College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN, June 1-3, 2022. , 2022, .		0
10	Inhibition of extracellular vesicle pathway using neutral sphingomyelinase inhibitors as a neuroprotective treatment for brain injury. <i>Neural Regeneration Research</i> , 2021, 16, 2349.	3.0	8
11	A Narrative Systematic Literature Review: A Focus on Qualitative Studies on HIV and Medication-Assisted Therapy in the United States. <i>Pharmacy (Basel, Switzerland)</i> , 2021, 9, 67.	1.6	1
12	Adipocyte, Immune Cells, and miRNA Crosstalk: A Novel Regulator of Metabolic Dysfunction and Obesity. <i>Cells</i> , 2021, 10, 1004.	4.1	35
13	Manifestation of renin angiotensin system modulation in traumatic brain injury. <i>Metabolic Brain Disease</i> , 2021, 36, 1079-1086.	2.9	10
14	PLGA Nanoparticle-Based Formulations to Cross the Blood-Brain Barrier for Drug Delivery: From R&D to cGMP. <i>Pharmaceutics</i> , 2021, 13, 500.	4.5	55
15	Verapamil as an Adjunct Therapy to Reduce tPA Toxicity in Hyperglycemic Stroke: Implication of TXNIP/NLRP3 Inflammasome. <i>Molecular Neurobiology</i> , 2021, 58, 3792-3804.	4.0	13
16	Anti-HIV Activity of Cucurbitacin-D against Cigarette Smoke Condensate-Induced HIV Replication in the U1 Macrophages. <i>Viruses</i> , 2021, 13, 1004.	3.3	8
17	Nicotine self-administration with menthol and audiovisual cue facilitates differential packaging of CYP2A6 and cytokines/chemokines in rat plasma extracellular vesicles. <i>Scientific Reports</i> , 2021, 11, 17393.	3.3	4
18	Importance of pharmacist-patient relationship in people living with HIV and concomitant opioid use disorder. <i>Exploratory Research in Clinical and Social Pharmacy</i> , 2021, 3, 100052.	1.0	0

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19	Racial Health Disparity and COVID-19. <i>Journal of NeuroImmune Pharmacology</i> , 2021, 16, 729-742.	4.1	7
20	Challenges in Biomaterial-Based Drug Delivery Approach for the Treatment of Neurodegenerative Diseases: Opportunities for Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 138.	4.1	23
21	Renin-Angiotensin System Alterations in the Human Alzheimer's Disease Brain. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1473-1484.	2.6	8
22	The COVID-19 Pandemic: Reflections of Science, Person, and Challenge in Academic Research Settings. <i>Journal of NeuroImmune Pharmacology</i> , 2021, 16, 706-717.	4.1	1
23	The Neuroimmune Pharmacology of SARS-CoV-2. <i>Journal of NeuroImmune Pharmacology</i> , 2021, 16, 699-705.	4.1	1
24	Proteomic Profiling of Exosomes Derived from Plasma of HIV-Infected Alcohol Drinkers and Cigarette Smokers. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 501-519.	4.1	36
25	Extracellular Vesicles: Intercellular Mediators in Alcohol-Induced Pathologies. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 409-421.	4.1	32
26	Intervention and Improved Well-Being of Basic Science Researchers During the COVID 19 Era: A Case Study. <i>Frontiers in Psychology</i> , 2020, 11, 574712.	2.1	9
27	HIV Associated Risk Factors for Ischemic Stroke and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5306.	4.1	18
28	Extracellular Vesicles in HIV, Drug Abuse, and Drug Delivery. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 387-389.	4.1	7
29	Extracellular Vesicles in Viral Replication and Pathogenesis and Their Potential Role in Therapeutic Intervention. <i>Viruses</i> , 2020, 12, 887.	3.3	24
30	Formulation, manufacturing and regulatory strategies for extracellular vesicles-based drug products for targeted therapy of central nervous system diseases. <i>Expert Review of Precision Medicine and Drug Development</i> , 2020, 5, 469-481.	0.7	8
31	An update on drug-drug interactions between antiretroviral therapies and drugs of abuse in HIV systems. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2020, 16, 1005-1018.	3.3	14
32	Opioid Use Disorders in People Living with HIV/AIDS: A Review of Implications for Patient Outcomes, Drug Interactions, and Neurocognitive Disorders. <i>Pharmacy (Basel, Switzerland)</i> , 2020, 8, 168.	1.6	7
33	Differential packaging of inflammatory cytokines/ chemokines and oxidative stress modulators in U937 and U1 macrophages-derived extracellular vesicles upon exposure to tobacco constituents. <i>PLoS ONE</i> , 2020, 15, e0233054.	2.5	19
34	An Elvitegravir Nanoformulation Crosses the Blood-Brain Barrier and Suppresses HIV-1 Replication in Microglia. <i>Viruses</i> , 2020, 12, 564.	3.3	23
35	Circulatory Astrocyte and Neuronal EVs as Potential Biomarkers of Neurological Dysfunction in HIV-Infected Subjects and Alcohol/Tobacco Users. <i>Diagnostics</i> , 2020, 10, 349.	2.6	21
36	Extracellular Vesicles from Human Papilloma Virus-Infected Cervical Cancer Cells Enhance HIV-1 Replication in Differentiated U1 Cell Line. <i>Viruses</i> , 2020, 12, 239.	3.3	13

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37	Novel elvitegravir nanoformulation for drug delivery across the blood-brain barrier to achieve HIV-1 suppression in the CNS macrophages. <i>Scientific Reports</i> , 2020, 10, 3835.	3.3	53
38	Repurposing Antiviral Protease Inhibitors Using Extracellular Vesicles for Potential Therapy of COVID-19. <i>Viruses</i> , 2020, 12, 486.	3.3	94
39	Extracellular Vesicles in Smoking-Mediated HIV Pathogenesis and their Potential Role in Biomarker Discovery and Therapeutic Interventions. <i>Cells</i> , 2020, 9, 864.	4.1	8
40	Extracellular Vesicles in Smoking-Mediated HIV Pathogenesis and their Potential Role in Biomarker Discovery and Therapeutic Interventions. , 2020, , .		2
41	Nanotechnology approaches for delivery of cytochrome P450 substrates in HIV treatment. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 869-882.	5.0	8
42	Extracellular Vesicles: A Possible Link between HIV and Alzheimer's Disease-Like Pathology in HIV Subjects?. <i>Cells</i> , 2019, 8, 968.	4.1	37
43	Plasma exosomes exacerbate alcohol- and acetaminophen-induced toxicity via CYP2E1 pathway. <i>Scientific Reports</i> , 2019, 9, 6571.	3.3	38
44	Choosing the right pharmacotherapeutic strategy for HIV maintenance in patients with alcohol addiction. <i>Expert Opinion on Pharmacotherapy</i> , 2019, 20, 631-633.	1.8	1
45	Tobacco and Antiretrovirals Modulate Transporter, Metabolic Enzyme, and Antioxidant Enzyme Expression and Function in Polarized Macrophages. <i>Current HIV Research</i> , 2019, 16, 354-363.	0.5	11
46	Pharmacokinetics and pharmacodynamics of cytochrome P450 inhibitors for HIV treatment. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2019, 15, 417-427.	3.3	51
47	Mannose-decorated hybrid nanoparticles for enhanced macrophage targeting. <i>Biochemistry and Biophysics Reports</i> , 2019, 17, 197-207.	1.3	35
48	Circulating Extracellular Vesicles Containing Xenobiotic Metabolizing CYP Enzymes and Their Potential Roles in Extrahepatic Cells Via Cell-Cell Interactions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6178.	4.1	28
49	The role of cytochrome P450 2E1 on ethanol-mediated oxidative stress and HIV replication in human monocyte-derived macrophages. <i>Biochemistry and Biophysics Reports</i> , 2019, 17, 65-70.	1.3	11
50	Bio-guided isolation of <i>Centaurea bruguierana</i> subsp. <i>belangerana</i> cytotoxic components. <i>Natural Product Research</i> , 2019, 33, 1687-1690.	1.8	16
51	In vitro evaluation of structural analogs of diallyl sulfide as novel CYP2E1 inhibitors for their protective effect against xenobiotic-induced toxicity and HIV replication. <i>Toxicology Letters</i> , 2018, 292, 31-38.	0.8	9
52	The role of exosomal transport of viral agents in persistent HIV pathogenesis. <i>Retrovirology</i> , 2018, 15, 79.	2.0	33
53	The dawn of precision medicine in HIV: state of the art of pharmacotherapy. <i>Expert Opinion on Pharmacotherapy</i> , 2018, 19, 1581-1595.	1.8	14
54	Polarized macrophage subsets differentially express the drug efflux transporters MRP1 and BCRP, resulting in altered HIV production. <i>Antiviral Chemistry and Chemotherapy</i> , 2018, 26, 204020661774516.	0.6	15

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55	Cytokine profiling of exosomes derived from the plasma of HIV-infected alcohol drinkers and cigarette smokers. <i>PLoS ONE</i> , 2018, 13, e0201144.	2.5	49
56	Potential neuroprotective role of astroglial exosomes against smoking-induced oxidative stress and HIV-1 replication in the central nervous system. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 703-714.	3.4	19
57	Benzo(a)pyrene in Cigarette Smoke Enhances HIV-1 Replication through NF- $\kappa$ B Activation via CYP-Mediated Oxidative Stress Pathway. <i>Scientific Reports</i> , 2018, 8, 10394.	3.3	32
58	In vivo evidence for the contribution of peripheral circulating inflammatory exosomes to neuroinflammation. <i>Journal of Neuroinflammation</i> , 2018, 15, 8.	7.2	150
59	Recent advances in cancer outcomes in HIV-positive smokers. <i>F1000Research</i> , 2018, 7, 718.	1.6	10
60	Influence of Ethanol on Darunavir Hepatic Clearance and Intracellular PK/PD in HIV-Infected Monocytes, and CYP3A4-Darunavir Interactions Using Inhibition and in Silico Binding Studies. <i>Pharmaceutical Research</i> , 2017, 34, 1925-1933.	3.5	7
61	Kinetic characterizations of diallyl sulfide analogs for their novel role as CYP2E1 enzyme inhibitors. <i>Pharmacology Research and Perspectives</i> , 2017, 5, e00362.	2.4	8
62	Specific packaging and circulation of cytochromes P450, especially 2E1 isozyme, in human plasma exosomes and their implications in cellular communications. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 675-680.	2.1	52
63	Role of Autophagy in HIV Pathogenesis and Drug Abuse. <i>Molecular Neurobiology</i> , 2017, 54, 5855-5867.	4.0	14
64	Novel elvitegravir nanoformulation approach to suppress the viral load in HIV-infected macrophages. <i>Biochemistry and Biophysics Reports</i> , 2017, 12, 214-219.	1.3	19
65	Alterations in cellular pharmacokinetics and pharmacodynamics of elvitegravir in response to ethanol exposure in HIV-1 infected monocytic (U1) cells. <i>PLoS ONE</i> , 2017, 12, e0172628.	2.5	15
66	Monocyte-derived exosomes upon exposure to cigarette smoke condensate alter their characteristics and show protective effect against cytotoxicity and HIV-1 replication. <i>Scientific Reports</i> , 2017, 7, 16120.	3.3	38
67	Cytochrome P450 and Oxidative Stress as Possible Pathways for Alcohol- and Tobacco-Mediated HIV Pathogenesis and NeuroAIDS. , 2016, , 179-188.		1
68	Effect of Ethanol on the Metabolic Characteristics of HIV-1 Integrase Inhibitor Elvitegravir and Elvitegravir/Cobicistat with CYP3A: An Analysis Using a Newly Developed LC-MS/MS Method. <i>PLoS ONE</i> , 2016, 11, e0149225.	2.5	27
69	Effect of Polyaryl Hydrocarbons on Cytotoxicity in Monocytic Cells: Potential Role of Cytochromes P450 and Oxidative Stress Pathways. <i>PLoS ONE</i> , 2016, 11, e0163827.	2.5	30
70	Methamphetamine potentiates HIV-1 gp120-mediated autophagy via Beclin-1 and Atg5/7 as a pro-survival response in astrocytes. <i>Cell Death and Disease</i> , 2016, 7, e2425-e2425.	6.3	33
71	Investigational protease inhibitors as antiretroviral therapies. <i>Expert Opinion on Investigational Drugs</i> , 2016, 25, 1189-1200.	4.1	27
72	Alterations in P-Glycoprotein Expression and Function Between Macrophage Subsets. <i>Pharmaceutical Research</i> , 2016, 33, 2713-2721.	3.5	35

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73	Exosomes: Tunable Nano Vehicles for Macromolecular Delivery of Transferrin and Lactoferrin to Specific Intracellular Compartment. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1101-1114.	1.1	85
74	Chronic Effects of Ethanol and/or Darunavir/Ritonavir on U937 Monocytic Cells: Regulation of Cytochrome P450 and Antioxidant Enzymes, Oxidative Stress, and Cytotoxicity. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 73-82.	2.4	23
75	Cocaine-Mediated Autophagy in Astrocytes Involves Sigma 1 Receptor, PI3K, mTOR, Atg5/7, Beclin-1 and Induces Type II Programed Cell Death. <i>Molecular Neurobiology</i> , 2016, 53, 4417-4430.	4.0	40
76	Effect of Methamphetamine on Spectral Binding, Ligand Docking and Metabolism of Anti-HIV Drugs with CYP3A4. <i>PLoS ONE</i> , 2016, 11, e0146529.	2.5	9
77	Effects of Cigarette Smoke Condensate on Oxidative Stress, Apoptotic Cell Death, and HIV Replication in Human Monocytic Cells. <i>PLoS ONE</i> , 2016, 11, e0155791.	2.5	52
78	Enhanced oxidative stress by alcohol use in HIV+ patients: possible involvement of cytochrome P450 2E1 and antioxidant enzymes. <i>AIDS Research and Therapy</i> , 2015, 12, 29.	1.7	24
79	Polycyclic aromatic hydrocarbons and cytochrome P450 in HIV pathogenesis. <i>Frontiers in Microbiology</i> , 2015, 6, 550.	3.5	23
80	Investigational reverse transcriptase inhibitors for the treatment of HIV. <i>Expert Opinion on Investigational Drugs</i> , 2015, 24, 1219-1228.	4.1	11
81	Drug-drug interactions between anti-retroviral therapies and drugs of abuse in HIV systems. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2015, 11, 343-355.	3.3	100
82	Effect of Mild-to-Moderate Smoking on Viral Load, Cytokines, Oxidative Stress, and Cytochrome P450 Enzymes in HIV-Infected Individuals. <i>PLoS ONE</i> , 2015, 10, e0122402.	2.5	54
83	Diallyl Sulfide: Potential Use in Novel Therapeutic Interventions in Alcohol, Drugs, and Disease Mediated Cellular Toxicity by Targeting Cytochrome P450 2E1. <i>Current Drug Metabolism</i> , 2015, 16, 486-503.	1.2	69
84	Designing Novel Nanoformulations Targeting Glutamate Transporter Excitatory Amino Acid Transporter 2: Implications in Treating Drug Addiction. <i>Journal of Personalized Nano Medicine</i> , 2015, 1, 3-9.	0.8	8
85	Development of NanoART for HIV Treatment: Minding the Cytochrome P450 (CYP) Enzymes. <i>Journal of Personalized Nano Medicine</i> , 2015, 1, 24-32.	0.8	4
86	Enhanced Nicotine Metabolism in HIV-Positive Smokers Compared with HIV-Negative Smokers: Simultaneous Determination of Nicotine and its Four Metabolites in Their Plasma Using a Simple and Sensitive Electrospray Ionization Liquid Chromatography-Tandem Mass Spectrometry Technique. <i>Drug Metabolism and Disposition</i> , 2014, 42, 282-293.	3.3	43
87	Enhanced Methamphetamine Metabolism in Rhesus Macaque as Compared with Human: An Analysis Using a Novel Method of Liquid Chromatography with Tandem Mass Spectrometry, Kinetic Study, and Substrate Docking. <i>Drug Metabolism and Disposition</i> , 2014, 42, 2097-2108.	3.3	11
88	HIV-1, HCV and Alcohol in the CNS: Potential Interactions and Effects on Neuroinflammation. <i>Current HIV Research</i> , 2014, 12, 282-292.	0.5	20
89	Tobacco smoking effect on HIV-1 pathogenesis: role of cytochrome P450 isozymes. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2013, 9, 1453-1464.	3.3	38
90	Phytoremediation of Explosives using Transgenic Plants. <i>Journal of Petroleum &amp; Environmental Biotechnology</i> , 2013, 04, 11127.	0.3	2

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91	HIV-1 gp120 and Drugs of Abuse: Interactions in the Central Nervous System. <i>Current HIV Research</i> , 2012, 10, 369-383.	0.5	65
92	Alcohol consumption effect on antiretroviral therapy and HIV-1 pathogenesis: role of cytochrome P450 isozymes. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2012, 8, 1363-1375.	3.3	59
93	An LC-MS/MS method for concurrent determination of nicotine metabolites and the role of CYP2A6 in nicotine metabolite-mediated oxidative stress in SVGA astrocytes. <i>Drug and Alcohol Dependence</i> , 2012, 125, 49-59.	3.2	30
94	Ethanol-Mediated Regulation of Cytochrome P450 2A6 Expression in Monocytes: Role of Oxidative Stress-Mediated PKC/MEK/Nrf2 Pathway. <i>PLoS ONE</i> , 2012, 7, e35505.	2.5	51
95	A LC-MS/MS Method for Concurrent Determination of Nicotine Metabolites and Role of CYP2A6 in Nicotine Metabolism in U937 Macrophages: Implications in Oxidative Stress in HIV + Smokers. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 289-299.	4.1	49
96	Synergistic Cooperation between Methamphetamine and HIV-1 gp120 through the P13K/Akt Pathway Induces IL-6 but not IL-8 Expression in Astrocytes. <i>PLoS ONE</i> , 2012, 7, e52060.	2.5	27
97	Cytochrome P450-Mediated Phytoremediation using Transgenic Plants: A Need for Engineered Cytochrome P450 Enzymes. <i>Journal of Petroleum &amp; Environmental Biotechnology</i> , 2012, 03, .	0.3	24
98	Role of Cytochrome P450 Systems in Substance of Abuse Mediated HIV-1 Pathogenesis and NeuroAIDS. <i>Journal of Drug Metabolism &amp; Toxicology</i> , 2012, 03, .	0.1	2
99	Challenges and Opportunities of Cytochrome P450-Mediated Phytoremediation. <i>Journal of Petroleum &amp; Environmental Biotechnology</i> , 2012, 01, .	0.3	1
100	Effect of Alcohol on Drug Efflux Protein and Drug Metabolic Enzymes in U937 Macrophages. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 132-139.	2.4	55
101	Differential Effects of Ethanol on Spectral Binding and Inhibition of Cytochrome P450 3A4 with Eight Protease Inhibitors Antiretroviral Drugs. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 2121-2127.	2.4	32
102	Methamphetamine toxicity and its implications during HIV-1 infection. <i>Journal of NeuroVirology</i> , 2011, 17, 401-415.	2.1	51
103	Analysis of Cytochrome P450 Conserved Sequence Motifs between Helices E and H: Prediction of Critical Motifs and Residues in Enzyme Functions. <i>Journal of Drug Metabolism &amp; Toxicology</i> , 2011, 02, 1000110.	0.1	9
104	Engineering cytochrome P450 biocatalysts for biotechnology, medicine and bioremediation. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010, 6, 115-131.	3.3	138
105	Effect of ethanol on spectral binding, inhibition, and activity of CYP3A4 with an antiretroviral drug nelfinavir. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 163-167.	2.1	30
106	Rational engineering of cytochromes P450 2B6 and 2B11 for enhanced stability: Insights into structural importance of residue 334. <i>Archives of Biochemistry and Biophysics</i> , 2010, 494, 151-158.	3.0	23
107	Structural importance of residue 334 in the stability of cytochromes P450 2B6 and 2B11. <i>FASEB Journal</i> , 2010, 24, 967.14.	0.5	0
108	Dehydrogenation of the Indoline-Containing Drug 4-Chloro-N-(2-methyl-1-indoliny)-3-sulfamoylbenzamide (Indapamide) by CYP3A4: Correlation with in Silico Predictions. <i>Drug Metabolism and Disposition</i> , 2009, 37, 672-684.	3.3	27

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109	Decreased Susceptibility of the Cytochrome P450 2B6 Variant K262R to Inhibition by Several Clinically Important Drugs. <i>Drug Metabolism and Disposition</i> , 2009, 37, 644-650.	3.3	30
110	Ligand Diversity of Human and Chimpanzee CYP3A4: Activation of Human CYP3A4 by Lithocholic Acid Results from Positive Selection. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1328-1333.	3.3	3
111	Identification and Analysis of Conserved Sequence Motifs in Cytochrome P450 Family 2. <i>Journal of Biological Chemistry</i> , 2008, 283, 21808-21816.	3.4	18
112	Engineering of Human Cytochrome P450 2B6 for Enhanced Expression, Stability, and Functional Studies of the Wild-Type and Genetic Variants. <i>FASEB Journal</i> , 2008, 22, .	0.5	0
113	Characterization of the P450 2B6 genetic variant K262R for temperature stability and drug binding. <i>FASEB Journal</i> , 2008, 22, 653-653.	0.5	0
114	Rational Engineering of Human Cytochrome P450 2B6 for Enhanced Expression and Stability: Importance of a Leu <sup>264</sup> →Phe Substitution. <i>Molecular Pharmacology</i> , 2007, 72, 1191-1199.	2.3	31
115	Identification of a Novel Laser Dye Substrate of Mammalian Cytochromes P450: Application in Rapid Kinetic Analysis, Inhibitor Screening, and Directed Evolution. <i>Journal of Biomolecular Screening</i> , 2007, 12, 677-682.	2.6	3
116	Re-engineering cytochrome P450 2B11dH for enhanced metabolism of several substrates including the anti-cancer prodrugs cyclophosphamide and ifosfamide. <i>Archives of Biochemistry and Biophysics</i> , 2007, 458, 167-174.	3.0	30
117	Structural and Thermodynamic Consequences of 1-(4-Chlorophenyl)imidazole Binding to Cytochrome P450 2B4. <i>Biochemistry</i> , 2007, 46, 11559-11567.	2.5	46
118	Investigation of the role of cytochrome P450 2B4 active site residues in substrate metabolism based on crystal structures of the ligand-bound enzyme. <i>Archives of Biochemistry and Biophysics</i> , 2006, 455, 61-67.	3.0	20
119	Engineering of Cytochrome P450 3A4 for Enhanced Peroxide-Mediated Substrate Oxidation Using Directed Evolution and Site-Directed Mutagenesis. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1958-1965.	3.3	44
120	Engineering mammalian cytochrome P450 2B1 by directed evolution for enhanced catalytic tolerance to temperature and dimethyl sulfoxide. <i>Protein Engineering, Design and Selection</i> , 2006, 19, 547-554.	2.1	47
121	Characterization of a laboratory evolved cytochrome P450 2B1 mutant and its further improvement for enhanced tolerance to organic solvents and temperature and enhanced affinity for hydrogen peroxide. <i>FASEB Journal</i> , 2006, 20, A458.	0.5	0
122	Directed evolution of mammalian cytochromes P450 for investigating the molecular basis of enzyme function and generating novel biocatalysts. <i>FASEB Journal</i> , 2006, 20, .	0.5	0
123	ROLE OF CYTOCHROME B5 IN MODULATING PEROXIDE-SUPPORTED CYP3A4 ACTIVITY: EVIDENCE FOR A CONFORMATIONAL TRANSITION AND CYTOCHROME P450 HETEROGENEITY. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1131-1136.	3.3	38
124	Directed Evolution of Mammalian Cytochrome P450 2B1. <i>Journal of Biological Chemistry</i> , 2005, 280, 19569-19575.	3.4	89
125	Use of directed evolution of mammalian cytochromes P450 for investigating the molecular basis of enzyme function and generating novel biocatalysts. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 456-464.	2.1	42
126	An Electrostatically Driven Conformational Transition Is Involved in the Mechanisms of Substrate Binding and Cooperativity in Cytochrome P450eryF. <i>Biochemistry</i> , 2004, 43, 6475-6485.	2.5	31

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127	A Rational Approach to Re-engineer Cytochrome P450 2B1 Regioselectivity Based on the Crystal Structure of Cytochrome P450 2C5. <i>Journal of Biological Chemistry</i> , 2003, 278, 17178-17184.	3.4	52
128	Allosteric mechanisms in P450eryF probed with 1-pyrenebutanol, a novel fluorescent substrate. <i>Biochemical and Biophysical Research Communications</i> , 2002, 294, 806-812.	2.1	33
129	Dynactinâ€™s membrane interaction is regulated by the C-terminal domains of p150 Glued. <i>EMBO Reports</i> , 2001, 2, 939-944.	4.5	29
130	Null Mutants of the <i>Neurospora</i> Actin-related Protein 1 Pointed-End Complex Show Distinct Phenotypes. <i>Molecular Biology of the Cell</i> , 2001, 12, 2195-2206.	2.1	52
131	Metabolic fate of glutamate and evaluation of flux through the 4-aminobutyrate (GABA) shunt in <i>Aspergillus niger</i> . , 2000, 67, 575-584.		30
132	Cytoplasmic Dynein ATPase Activity Is Regulated by Dynactin-dependent Phosphorylation. <i>Journal of Biological Chemistry</i> , 2000, 275, 31798-31804.	3.4	38
133	Two approaches to isolate cytoplasmic dynein ATPase from <i>Neurospora crassa</i> . <i>Biochimie</i> , 2000, 82, 229-236.	2.6	8
134	Enzyme vs. extremozyme. <i>Resonance</i> , 1998, 3, 32-40.	0.3	1
135	Inhibition of Succinic Semialdehyde Dehydrogenase by N-Formylglycine. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1998, 13, 369-376.	0.5	6
136	The metabolism of 4-aminobutyrate (GABA) in fungi. <i>Mycological Research</i> , 1997, 101, 403-409.	2.5	81
137	Finding an effective way to create learning environments for didactic courses in a virtual classroom setting. <i>Pharmacy Education</i> , 0, , 621-625.	0.6	0
138	Classroom engagement through short stories and motivational messages. <i>Pharmacy Education</i> , 0, , 199-210.	0.6	0