

# Donghak Kim

## List of Publications by Year in descending order

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28  
papers

753  
citations

687363

13  
h-index

552781

26  
g-index

29  
all docs

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docs citations

29  
times ranked

761  
citing authors

#	ARTICLE	IF	CITATIONS
1	CYTOCHROME P450 ACTIVATION OF ARYLAMINES AND HETEROCYCLIC AMINES. Annual Review of Pharmacology and Toxicology, 2005, 45, 27-49.	9.4	235
2	Selection of Human Cytochrome P450 1A2 Mutants with Enhanced Catalytic Activity for Heterocyclic Amine N-Hydroxylation. Biochemistry, 2004, 43, 981-988.	2.5	89
3	Analysis of Coumarin 7-Hydroxylation Activity of Cytochrome P450 2A6 using Random Mutagenesis. Journal of Biological Chemistry, 2005, 280, 40319-40327.	3.4	71
4	Enhancement of 7-methoxyresorufin O-demethylation activity of human cytochrome P450 1A2 by molecular breeding. Archives of Biochemistry and Biophysics, 2004, 432, 102-108.	3.0	55
5	Formation and Reduction of Aryl and Heterocyclic Nitroso Compounds and Significance in the Flux of Hydroxylamines. Chemical Research in Toxicology, 2004, 17, 529-536.	3.3	33
6	Binding of Diverse Environmental Chemicals with Human Cytochromes P450 2A13, 2A6, and 1B1 and Enzyme Inhibition. Chemical Research in Toxicology, 2013, 26, 517-528.	3.3	31
7	Kinetic Analysis of Lauric Acid Hydroxylation by Human Cytochrome P450 4A11. Biochemistry, 2014, 53, 6161-6172.	2.5	28
8	Functional Characterization of Allelic Variants of Polymorphic Human Cytochrome P450 2A6 (CYP2A6*5, *7, *8, *18, *19, and *35). Biological and Pharmaceutical Bulletin, 2012, 35, 394-399.	1.4	26
9	Heme- $\epsilon$ -thiolate sulfenylation of human cytochrome P450 4A11 functions as a redox switch for catalytic inhibition. Journal of Biological Chemistry, 2017, 292, 11230-11242.	3.4	23
10	WHAT MAKES P450s WORK? SEARCHES FOR ANSWERS WITH KNOWN AND NEW P450s*. Drug Metabolism Reviews, 2000, 32, 267-281.	3.6	21
11	Tight binding of cytochrome b5 to cytochrome P450 17A1 is a critical feature of stimulation of C21 steroid lyase activity and androgen synthesis. Journal of Biological Chemistry, 2021, 296, 100571.	3.4	18
12	Cytochrome P450 2A6 and other human P450 enzymes in the oxidation of flavone and flavanone. Xenobiotica, 2019, 49, 131-142.	1.1	15
13	Oxidation of 1-chloropyrene by human CYP1 family and CYP2A subfamily cytochrome P450 enzymes: catalytic roles of two CYP1B1 and five CYP2A13 allelic variants. Xenobiotica, 2018, 48, 565-575.	1.1	13
14	Enhanced Purification of Recombinant Rat NADPH-P450 Reductase by Using a Hexahistidine-Tag. Journal of Microbiology and Biotechnology, 2017, 27, 983-989.	2.1	13
15	Inhibitory effect of $\beta$ -terpinyl acetate on cytochrome P450 2B6 enzymatic activity. Chemico-Biological Interactions, 2018, 289, 90-97.	4.0	12
16	Oxidation of Flavone, 5-Hydroxyflavone, and 5,7-Dihydroxyflavone to Mono-, Di-, and Tri-Hydroxyflavones by Human Cytochrome P450 Enzymes. Chemical Research in Toxicology, 2019, 32, 1268-1280.	3.3	11
17	In vitro functional analysis of human cytochrome P450 2A13 genetic variants: P450 2A13*2, *3, *4, and *10. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2018, 81, 493-501.	2.3	10
18	Site-specific oxidation of flavanone and flavone by cytochrome P450 2A6 in human liver microsomes. Xenobiotica, 2019, 49, 791-802.	1.1	10

#	ARTICLE	IF	CITATIONS
19	Preference for <i>O</i> -demethylation reactions in the oxidation of 2â€²-, 3â€²-, and 4â€²-methoxyflavones by human cytochrome P450 enzymes. <i>Xenobiotica</i> , 2020, 50, 1158-1169.	1.1	8
20	Roles of cytochrome P450 2A6 in the oxidation of flavone, 4â€²-hydroxyflavone, and 4â€²-, 3â€²-, and 2â€²-methoxyflavones by human liver microsomes. <i>Xenobiotica</i> , 2021, 51, 995-1009.	1.1	6
21	Cytochrome <i>CYP5</i> Binds Tightly to Several Human Cytochrome P450 Enzymes. <i>Drug Metabolism and Disposition</i> , 2021, 49, 902-909.	3.3	5
22	Structure-Functional Analysis of Human Cytochrome P450 2C8 Using Directed Evolution. <i>Pharmaceutics</i> , 2021, 13, 1429.	4.5	5
23	Liquid chromatography-tandem mass spectrometry analysis of oxidation of 2â€²-, 3â€²-, 4â€²- and 6-hydroxyflavanones by human cytochrome P450 enzymes. <i>Xenobiotica</i> , 2021, 51, 139-154.	1.1	4
24	Functional Characterization of Pharmacogenetic Variants of Human Cytochrome P450 2C9 in Korean Populations. <i>Biomolecules and Therapeutics</i> , 2019, 27, 577-583.	2.4	4
25	Directed-Evolution Analysis of Human Cytochrome P450 2A6 for Enhanced Enzymatic Catalysis. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 1409-1418.	2.3	3
26	Random Mutagenesis by Whole-Plasmid PCR Amplification. , 2002, 192, 241-245.		2
27	Oxidation of 3â€²-methoxyflavone, 4â€²-methoxyflavone, and 3â€²,4â€²-dimethoxyflavone and their derivatives having 5,7-dihydroxyl moieties by human cytochromes P450 1B1 and 2A13. <i>Xenobiotica</i> , 2022, , 1-41.	1.1	1
28	Structural characterization and fatty acid epoxidation of CYP184A1 from <i>Streptomyces avermitilis</i> . <i>Archives of Biochemistry and Biophysics</i> , 2022, 727, 109338.	3.0	1