

Donghak Kim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Oxidation of 3- <i>o</i> -methoxyflavone, 4- <i>o</i> -methoxyflavone, and 3,4-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
2	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
3	Liquid chromatography-tandem mass spectrometry analysis of oxidation of 2- <i>o</i> -, 3- <i>o</i> -, 4- <i>o</i> - and 6-hydroxyflavanones by human cytochrome P450 enzymes. <i>Xenobiotica</i> , 2021, 51, 139-154.	1.1	4
4	Cytochrome <i>b₅</i> Binds Tightly to Several Human Cytochrome P450 Enzymes. <i>Drug Metabolism and Disposition</i> , 2021, 49, 902-909.	3.3	5
5	Roles of cytochrome P450 2A6 in the oxidation of flavone, 4- <i>o</i> -hydroxyflavone, and 4- <i>o</i> -, 3- <i>o</i> -, and 2- <i>o</i> -methoxyflavones by human liver microsomes. <i>Xenobiotica</i> , 2021, 51, 995-1009.	1.1	6
6	Structure-Functional Analysis of Human Cytochrome P450 2C8 Using Directed Evolution. <i>Pharmaceutics</i> , 2021, 13, 1429.	4.5	5
7	Tight binding of cytochrome <i>b₅</i> to cytochrome P450 17A1 is a critical feature of stimulation of C21 steroid lyase activity and androgen synthesis. <i>Journal of Biological Chemistry</i> , 2021, 296, 100571.	3.4	18
8	Preference for <i>O</i> -demethylation reactions in the oxidation of 2- <i>o</i> -, 3- <i>o</i> -, and 4- <i>o</i> -methoxyflavones by human cytochrome P450 enzymes. <i>Xenobiotica</i> , 2020, 50, 1158-1169.	1.1	8
9	Site-specific oxidation of flavanone and flavone by cytochrome P450 2A6 in human liver microsomes. <i>Xenobiotica</i> , 2019, 49, 791-802.	1.1	10
10	Oxidation of Flavone, 5-Hydroxyflavone, and 5,7-Dihydroxyflavone to Mono-, Di-, and Tri-Hydroxyflavones by Human Cytochrome P450 Enzymes. <i>Chemical Research in Toxicology</i> , 2019, 32, 1268-1280.	3.3	11
11	Cytochrome P450 2A6 and other human P450 enzymes in the oxidation of flavone and flavanone. <i>Xenobiotica</i> , 2019, 49, 131-142.	1.1	15
12	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
13	In vitro functional analysis of human cytochrome P450 2A13 genetic variants: P450 2A13*2, *3, *4, and *10. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018, 81, 493-501.	2.3	10
14	Inhibitory effect of \pm -terpinyl acetate on cytochrome P450 2B6 enzymatic activity. <i>Chemico-Biological Interactions</i> , 2018, 289, 90-97.	4.0	12
15	Oxidation of 1-chloropyrene by human CYP1 family and CYP2A subfamily cytochrome P450 enzymes: catalytic roles of two CYP1B1 and five CYP2A13 allelic variants. <i>Xenobiotica</i> , 2018, 48, 565-575.	1.1	13
16	Heme- ϵ -thiolate sulfenylation of human cytochrome P450 4A11 functions as a redox switch for catalytic inhibition. <i>Journal of Biological Chemistry</i> , 2017, 292, 11230-11242.	3.4	23
17	Enhanced Purification of Recombinant Rat NADPH-P450 Reductase by Using a Hexahistidine-Tag. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 983-989.	2.1	13
18	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

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19	Kinetic Analysis of Lauric Acid Hydroxylation by Human Cytochrome P450 4A11. <i>Biochemistry</i> , 2014, 53, 6161-6172.	2.5	28
20	Binding of Diverse Environmental Chemicals with Human Cytochromes P450 2A13, 2A6, and 1B1 and Enzyme Inhibition. <i>Chemical Research in Toxicology</i> , 2013, 26, 517-528.	3.3	31
21	Functional Characterization of Allelic Variants of Polymorphic Human Cytochrome P450 2A6 (CYP2A6*5, *7, *8, *18, *19, and *35). <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 394-399.	1.4	26
22	Analysis of Coumarin 7-Hydroxylation Activity of Cytochrome P450 2A6 using Random Mutagenesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 40319-40327.	3.4	71
23	CYTOCHROME P450 ACTIVATION OF ARYLAMINES AND HETEROCYCLIC AMINES. <i>Annual Review of Pharmacology and Toxicology</i> , 2005, 45, 27-49.	9.4	235
24	Selection of Human Cytochrome P450 1A2 Mutants with Enhanced Catalytic Activity for Heterocyclic Amine N-Hydroxylation. <i>Biochemistry</i> , 2004, 43, 981-988.	2.5	89
25	Enhancement of 7-methoxyresorufin O-demethylation activity of human cytochrome P450 1A2 by molecular breeding. <i>Archives of Biochemistry and Biophysics</i> , 2004, 432, 102-108.	3.0	55
26	Formation and Reduction of Aryl and Heterocyclic Nitroso Compounds and Significance in the Flux of Hydroxylamines. <i>Chemical Research in Toxicology</i> , 2004, 17, 529-536.	3.3	33
27	Random Mutagenesis by Whole-Plasmid PCR Amplification. , 2002, 192, 241-245.		2
28	WHAT MAKES P450s WORK? SEARCHES FOR ANSWERS WITH KNOWN AND NEW P450s*. <i>Drug Metabolism Reviews</i> , 2000, 32, 267-281.	3.6	21