Hsia-Lien Lin

List of Publications by Year
in descending order

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31 papers	1,022 citations	430874 18 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	808 citing authors

#	Article	IF	Citations
1	Mechanism-Based Inactivation of Cytochrome P450 3A4 by 17Î±-Ethynylestradiol: Evidence for Heme Destruction and Covalent Binding to Protein. Journal of Pharmacology and Experimental Therapeutics, 2002, 301, 160-167.	2.5	130
2	Peroxynitrite-Mediated Nitration of Tyrosine and Inactivation of the Catalytic Activity of Cytochrome P450 2B1. Chemical Research in Toxicology, 1998, 11, 1067-1074.	3.3	110
3	The Grapefruit Juice Effect Is Not Limited to Cytochrome P450 (P450) 3A4: Evidence for Bergamottin-Dependent Inactivation, Heme Destruction, and Covalent Binding to Protein in P450s 2B6 and 3A5. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 154-164.	2.5	95
4	Identification of the Residue in Human CYP3A4 That Is Covalently Modified by Bergamottin and the Reactive Intermediate That Contributes to the Grapefruit Juice Effect. Drug Metabolism and Disposition, 2012, 40, 998-1006.	3.3	53
5	N-Nitrosodimethylamine-Mediated Formation of Oxidized and Methylated DNA Bases in a Cytochrome P450 2E1 Expressing Cell Line. Chemical Research in Toxicology, 2001, 14, 562-566.	3.3	49
6	Mutation of Tyrosine 190 to Alanine Eliminates the Inactivation of Cytochrome P450 2B1 by Peroxynitrite. Chemical Research in Toxicology, 2003, 16, 129-136.	3.3	45
7	N-Nitrosodimethylamine-Mediated Cytotoxicity in a Cell Line Expressing P450 2E1: Evidence for Apoptotic Cell Death. Toxicology and Applied Pharmacology, 1999, 157, 117-124.	2.8	44
8	Metabolism of Bergamottin by Cytochromes P450 2B6 and 3A5. Journal of Pharmacology and Experimental Therapeutics, 2006, 318, 992-1005.	2.5	40
9	Peroxynitrite Inactivation of Human Cytochrome P450s 2B6 and 2E1: Heme Modification and Site-Specific Nitrotyrosine Formation. Chemical Research in Toxicology, 2007, 20, 1612-1622.	3.3	38
10	The Inactivation of Cytochrome P450 3A5 by 17Î±-Ethynylestradiol Is Cytochrome b5-Dependent: Metabolic Activation of the Ethynyl Moiety Leads to the Formation of Glutathione Conjugates, a Heme Adduct, and Covalent Binding to the Apoprotein. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 276-287.	2.5	37
11	Structural Analysis of Mammalian Cytochrome P450 2B4 Covalently Bound to the Mechanism-Based Inactivatortert-Butylphenylacetylene: Insight into Partial Enzymatic Activity. Biochemistry, 2011, 50, 4903-4911.	2.5	37
12	Identification of 17-Î±-Ethynylestradiol-Modified Active Site Peptides and Glutathione Conjugates Formed during Metabolism and Inactivation of P450s 2B1 and 2B6. Chemical Research in Toxicology, 2006, 19, 279-287.	3.3	32
13	Mechanism-Based Inactivation of Human CYP2E1 by Diethyldithocarbamate. Drug Metabolism and Disposition, 2010, 38, 2286-2292.	3.3	31
14	tert-Butylphenylacetylene Is a Potent Mechanism-Based Inactivator of Cytochrome P450 2B4: Inhibition of Cytochrome P450 Catalysis by Steric Hindrance. Molecular Pharmacology, 2009, 76, 1011-1018.	2.3	25
15	The Effect of Ritonavir on Human CYP2B6 Catalytic Activity: Heme Modification Contributes to the Mechanism-Based Inactivation of CYP2B6 and CYP3A4 by Ritonavir. Drug Metabolism and Disposition, 2013, 41, 1813-1824.	3.3	22
16	Reaction of Human Cytochrome P450 3A4 with Peroxynitrite: Nitrotyrosine Formation on the Proximal Side Impairs Its Interaction with NADPH-Cytochrome P450 Reductase. Chemical Research in Toxicology, 2012, 25, 2642-2653.	3.3	21
17	The Highly Conserved Glu149 and Tyr190 Residues Contribute To Peroxynitrite-Mediated Nitrotyrosine Formation and the Catalytic Activity of Cytochrome P450 2B1. Chemical Research in Toxicology, 2005, 18, 1203-1210.	3.3	20
18	Thr302 Is the Site for the Covalent Modification of Human Cytochrome P450 2B6 Leading to Mechanism-Based Inactivation bytert-Butylphenylacetylene. Drug Metabolism and Disposition, 2011, 39, 2431-2439.	3.3	19

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19	Drug inhibitable ecto-ATPase in leukocytes. Life Sciences, 1975, 16, 1417-1428.	4.3	17
20	Metabolic Activation of Mifepristone [RU486; 17Î²-Hydroxy-11Î²-(4-dimethylaminophenyl)-17Î±-(1-propynyl)-estra-4,9-dien-3-one] by Mammalian Cytochromes P450 and the Mechanism-Based Inactivation of Human CYP2B6. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 26-37.	2.5	17
21	Covalent Modification of Thr302 in Cytochrome P450 2B1 by the Mechanism-Based Inactivator 4-tert-Butylphenylacetylene. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 663-669.	2.5	17
22	Interactions between CYP2E1 and CYP2B4: Effects on Affinity for NADPH-Cytochrome P450 Reductase and Substrate Metabolism. Drug Metabolism and Disposition, 2013, 41, 101-110.	3.3	17
23	Inactivation of Cytochrome P450 (P450) 3A4 but not P450 3A5 by OSI-930, a Thiophene-Containing Anticancer Drug. Drug Metabolism and Disposition, 2011, 39, 345-350.	3.3	16
24	Threonine-205 in the F Helix of P450 2B1 Contributes to Androgen 16Î²-Hydroxylation Activity and Mechanism-Based Inactivation. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 744-751.	2.5	15
25	Targeting of the highly conserved threonine 302 residue of cytochromes P450 2B family during mechanism-based inactivation by aryl acetylenes. Archives of Biochemistry and Biophysics, 2011, 507, 135-143.	3.0	15
26	Heme Modification Contributes to the Mechanism-Based Inactivation of Human Cytochrome P450 2J2 by Two Terminal Acetylenic Compounds. Drug Metabolism and Disposition, 2017, 45, 990-999.	3.3	14
27	Formation of Both Heme and Apoprotein Adducts Contributes to the Mechanism-Based Inactivation of Human CYP2J2 by 17Î±-Ethynylestradiol. Drug Metabolism and Disposition, 2018, 46, 813-822.	3.3	12
28	Mechanism-Based Inactivation of CYP2B1 and Its F-Helix Mutant by Twotert-Butyl Acetylenic Compounds: Covalent Modification of Prosthetic Heme Versus Apoprotein. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 392-403.	2.5	11
29	The Functional Role of Threonine-205 in the Mechanism-Based Inactivation of P450 2B1 by Two Ethynyl Substrates: The Importance of the F Helix in Catalysis. Journal of Pharmacology and Experimental Therapeutics, 2004, 311, 855-863.	2.5	10
30	Inhibition of cellular ATP-hydrolyzing activity by tricyclic antidepressants and phenothiazine tranquilizers. Life Sciences, 1975, 16, 1429-1440.	4.3	7
31	Roles of Residues F206 and V367 in Human CYP2B6: Effects of Mutations on Androgen Hydroxylation, Mechanism-Based Inactivation, and Reversible Inhibition. Drug Metabolism and Disposition, 2016, 44, 1771-1779.	3.3	6