Murali Subramanian

List of Publications by Year
in descending order

22 papers	445 citations	840776 11 h-index	752698 20 g-index
24 all docs	24 docs citations	24 times ranked	633 citing authors

#	Article	IF	Citations
1	High-Speed Simultaneous Determination of Nine Antiepileptic Drugs Using Liquid Chromatography-Mass Spectrometry. Therapeutic Drug Monitoring, 2008, 30, 347-356.	2.0	100
2	Enhanced Transformation of TNT by Tobacco Plants Expressing a Bacterial Nitroreductase. International Journal of Phytoremediation, 2007, 9, 385-401.	3.1	52
3	CYP2C9-CYP3A4 Protein-Protein Interactions: Role of the Hydrophobic N Terminus. Drug Metabolism and Disposition, 2010, 38, 1003-1009.	3.3	51
4	CYP2D6-CYP2C9 Protein-Protein Interactions and Isoform-Selective Effects on Substrate Binding and Catalysis. Drug Metabolism and Disposition, 2009, 37, 1682-1689.	3.3	49
5	Effect of P450 oxidoreductase variants on the metabolism of model substrates mediated by CYP2C9.1, CYP2C9.2, and CYP2C9.3. Pharmacogenetics and Genomics, 2012, 22, 590-597.	1.5	39
6	TNT Phytotransformation Pathway Characteristics in Arabidopsis: Role of Aromatic Hydroxylamines. Biotechnology Progress, 2006, 22, 208-216.	2.6	29
7	Design, Synthesis, and Pharmacokinetic Evaluation of Phosphate and Amino Acid Ester Prodrugs for Improving the Oral Bioavailability of the HIV-1 Protease Inhibitor Atazanavir. Journal of Medicinal Chemistry, 2019, 62, 3553-3574.	6.4	26
8	Discovery of Potent and Orally Bioavailable Small Molecule Antagonists of Toll-like Receptors 7/8/9 (TLR7/8/9). ACS Medicinal Chemistry Letters, 2020, 11, 1751-1758.	2.8	24
9	Absorption and cleavage of enalapril, a carboxyl ester prodrug, in the rat intestine: in vitro, in situ intestinal perfusion and portal vein cannulation models. Biopharmaceutics and Drug Disposition, 2015, 36, 385-397.	1.9	14
10	Role of hepatic blood flow and metabolism in the pharmacokinetics of ten drugs in lean, aged and obese rats. Xenobiotica, 2014, 44, 1108-1116.	1.1	11
11	Coupling of an Acyl Migration Prodrug Strategy with Bio-activation To Improve Oral Delivery of the HIV-1 Protease Inhibitor Atazanavir. Journal of Medicinal Chemistry, 2018, 61, 4176-4188.	6.4	11
12	Characterization of Recombinantly Expressed Rat and Monkey Intestinal Alkaline Phosphatases: In Vitro Studies and In Vivo Correlations. Drug Metabolism and Disposition, 2013, 41, 1425-1432.	3.3	6
13	Expression and Characterization of Cynomolgus Monkey Cytochrome CYP3A4 in a Novel Human Embryonic Kidney Cell–Based Mammalian System. Drug Metabolism and Disposition, 2014, 42, 369-376.	3.3	6
14	(Carbonyl)oxyalkyl linker-based amino acid prodrugs of the HIV-1 protease inhibitor atazanavir that enhance oral bioavailability and plasma trough concentration. European Journal of Medicinal Chemistry, 2020, 207, 112749.	5.5	5
15	Identification of 2-Pyridinylindole-Based Dual Antagonists of Toll-like Receptors 7 and 8 (TLR7/8). ACS Medicinal Chemistry Letters, 2022, 13, 812-818.	2.8	5
16	Simultaneous and stereospecific analysis of warfarin oxidative metabolism using 2D LC/Q-TOF. Bioanalysis, 2015, 7, 2297-2309.	1.5	4
17	Offline derivatization LC–MS/MS method for simultaneous estimation of vanillin and vanillic acid in guinea pig plasma. Bioanalysis, 2018, 10, 131-142.	1.5	4
18	Comprehensive evaluation of liver microsomal cytochrome P450 3A (CYP3A) inhibition: comparison of cynomolgus monkey and human. Xenobiotica, 2017, 47, 470-478.	1.1	3

#	Article	IF	Citations
19	Absolute quantification of imipramine and its metabolites *in vivo* utilizing calibrators from radiolabeled *in vitro* incubations. Bioanalysis, 2016, 8, 297-309.	1.5	2
20	Identification of novel glutathione conjugates of terbinafine in liver microsomes and hepatocytes across species. Xenobiotica, 2019, 49, 1403-1413.	1.1	1
21	Use of Hybrid Capillary Tube Apparatus on 400 MHz NMR for Quantitation of Crucial Low-Quantity Metabolites Using aSICCO Signal. Drug Metabolism and Disposition, 2017, 45, 1215-1224.	3.3	0
22	CYP2C9–CYP3A4 protein–protein interactions in a reconstituted expressed enzyme system. FASEB Journal, 2008, 22, 919.7.	0.5	0