TomÃ¡Å¡ SmutnÃ½

List of Publications by Year
in descending order

28 papers	664 citations	516215 16 h-index	552369 26 g-index
29 all docs	29 docs citations	29 times ranked	1137 citing authors

#	Article	IF	Citations
1	Post-translational and Post-transcriptional Modifications of Pregnane X Receptor (PXR) in Regulation of the Cytochrome P450 Superfamily. Current Drug Metabolism, 2013, 14, 1059-1069.	0.7	92
2	Development of 3,5-Dinitrobenzylsulfanyl-1,3,4-oxadiazoles and Thiadiazoles as Selective Antitubercular Agents Active Against Replicating and Nonreplicating Mycobacterium tuberculosis. Journal of Medicinal Chemistry, 2016, 59, 2362-2380.	2.9	85
3	Laminin-511 and laminin-521-based matrices for efficient hepatic specification of human pluripotent stem cells. Biomaterials, 2016, 103, 86-100.	5.7	60
4	1-Substituted-5-[(3,5-dinitrobenzyl)sulfanyl]-1H-tetrazoles and their isosteric analogs: A new class of selective antitubercular agents active against drug-susceptible and multidrug-resistant mycobacteria. European Journal of Medicinal Chemistry, 2014, 82, 324-340.	2.6	44
5	Chrysin, baicalein and galangin are indirect activators of the human constitutive androstane receptor (CAR). Toxicology Letters, 2015, 233, 68-77.	0.4	37
6	Nuclear receptors in regulation of biotransformation enzymes and drug transporters in the placental barrier. Drug Metabolism Reviews, 2014, 46, 19-32.	1.5	36
7	The pregnane X receptor downâ€regulates organic cation transporter 1 (SLC22A1) in human hepatocytes by competing for (â€œsquelchingâ€) SRCâ€1 coactivator. British Journal of Pharmacology, 2016, 173, 1703-1715.	2.7	33
8	Clinically Relevant Cytochrome P450 3A4 Induction Mechanisms and Drug Screening in Threeâ€Dimensional Spheroid Cultures of Primary Human Hepatocytes. Clinical Pharmacology and Therapeutics, 2020, 108, 844-855.	2.3	31
9	Glucocorticoid receptor regulates organic cation transporter 1 (OCT1, SLC22A1) expression via HNF4Î± upregulation in primary human hepatocytes. Pharmacological Reports, 2013, 65, 1322-1335.	1.5	28
10	Trans-resveratrol, but not other natural stilbenes occurring in food, carries the risk of drug-food interaction via inhibition of cytochrome P450 enzymes or interaction with xenosensor receptors. Toxicology Letters, 2019, 300, 81-91.	0.4	26
11	U0126, a mitogen-activated protein kinase kinase 1 and 2 (MEK1 and 2) inhibitor, selectively up-regulates main isoforms of CYP3A subfamily via a pregnane X receptor (PXR) in HepG2 cells. Archives of Toxicology, 2014, 88, 2243-2259.	1.9	25
12	Expression of organic cation transporter 1 (OCT1): unique patterns of indirect regulation by nuclear receptors and hepatospecific gene regulation. Drug Metabolism Reviews, 2016, 48, 139-158.	1.5	20
13	Iron depletion induces hepatic secretion of biliary lipids and glutathione in rats. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1469-1480.	1.2	19
14	2-(3-Methoxyphenyl)quinazoline Derivatives: A New Class of Direct Constitutive Androstane Receptor (CAR) Agonists. Journal of Medicinal Chemistry, 2016, 59, 4601-4610.	2.9	18
15	Steviol, an aglycone of steviol glycoside sweeteners, interacts with the pregnane X (PXR) and aryl hydrocarbon (AHR) receptors in detoxification regulation. Food and Chemical Toxicology, 2017, 109, 130-142.	1.8	18
16	The 3Ê¹-untranslated region contributes to the pregnane X receptor (PXR) expression down-regulation by PXR ligands and up-regulation by glucocorticoids. Acta Pharmaceutica Sinica B, 2020, 10, 136-152.	5.7	17
17	Teriflunomide Is an Indirect Human Constitutive Androstane Receptor (CAR) Activator Interacting With Epidermal Growth Factor (EGF) Signaling. Frontiers in Pharmacology, 2018, 9, 993.	1.6	14
18	Resveratrol as an Inhibitor of Pregnane X Receptor (PXR): Another Lesson in PXR Antagonism. Journal of Pharmacological Sciences, 2014, 126, 177-178.	1.1	11

#	Article	IF	Citations
19	Transcriptional and post-transcriptional regulation of the pregnane X receptor: a rationale for interindividual variability in drug metabolism. Archives of Toxicology, 2021, 95, 11-25.	1.9	10
20	A feasibility study of the toxic responses of human induced pluripotent stem cell-derived hepatocytes to phytochemicals. Toxicology in Vitro, 2018, 52, 94-105.	1.1	8
21	Bioinformatic analysis of miRNAs targeting the key nuclear receptors regulating CYP3A4 gene expression: The challenge of the CYP3A4 "missing heritability" enigma. Journal of Applied Biomedicine, 2015, 13, 181-188.	0.6	7
22	Diazepam Promotes Translocation of Human Constitutive Androstane Receptor (CAR) via Direct Interaction with the Ligand-Binding Domain. Cells, 2020, 9, 2532.	1.8	6
23	Genetic Predispositions of Glucocorticoid Resistance and Therapeutic Outcomes in Polymyalgia Rheumatica and Giant Cell Arteritis. Journal of Clinical Medicine, 2019, 8, 582.	1.0	5
24	3Î²-Isoobeticholic acid efficiently activates the farnesoid X receptor (FXR) due to its epimerization to 3Î±-epimer by hepatic metabolism. Journal of Steroid Biochemistry and Molecular Biology, 2020, 202, 105702.	1.2	5
25	Stilbene compound trans-3,4,5,4Â´-tetramethoxystilbene, a potential anticancer drug, regulates constitutive androstane receptor (Car) target genes, but does not possess proliferative activity in mouse liver. Toxicology Letters, 2019, 313, 1-10.	0.4	4
26	Sesquiterpenes Are Agonists of the Pregnane X Receptor but Do Not Induce the Expression of Phase I Drug-Metabolizing Enzymes in the Human Liver. International Journal of Molecular Sciences, 2019, 20, 4562.	1.8	2
27	Expression dynamics of pregnane X receptor-controlled genes in 3D primary human hepatocyte spheroids. Archives of Toxicology, 2021, , 1.	1.9	1
28	Gene Expression Profiling of 1Î±,25(OH) ₂ D ₃ Treatment in 2D/3D Human Hepatocyte Models Reveals CYP3A4 Induction but Minor Changes in Other Xenobioticâ€Metabolizing Genes. Molecular Nutrition and Food Research, 2022, , 2200070.	1.5	1