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	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
2	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
3	Expression dynamics of pregnane X receptor-controlled genes in 3D primary human hepatocyte spheroids. Archives of Toxicology, 2021, , 1.	1.9	1
4	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
5	Diazepam Promotes Translocation of Human Constitutive Androstane Receptor (CAR) via Direct Interaction with the Ligand-Binding Domain. Cells, 2020, 9, 2532.	1.8	6
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Laminin-511 and laminin-521-based matrices for efficient hepatic specification of human pluripotent stem cells. Biomaterials, 2016, 103, 86-100.	5.7	60

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19	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
20	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
21	Chrysin, baicalein and galangin are indirect activators of the human constitutive androstane receptor (CAR). Toxicology Letters, 2015, 233, 68-77.	0.4	37
22	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
23	Nuclear receptors in regulation of biotransformation enzymes and drug transporters in the placental barrier. Drug Metabolism Reviews, 2014, 46, 19-32.	1.5	36
24	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
25	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
26	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
27	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
28	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