Oliver Burk

List of Publications by Year
in descending order

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37 papers	4,180 citations	304743 22 h-index	345221 36 g-index
37 all docs	37 docs citations	37 times ranked	3863 citing authors

#	Article	IF	Citations
1	Nuclear Receptor Response Elements Mediate Induction of Intestinal MDR1 by Rifampin. Journal of Biological Chemistry, 2001, 276, 14581-14587.	3.4	746
2	The genetic determinants of the CYP3A5 polymorphism. Pharmacogenetics and Genomics, 2001, 11, 773-779.	5.7	608
3	Sex is a major determinant of CYP3A4 expression in human liver. Hepatology, 2003, 38, 978-988.	7.3	426
4	Expression of organic cation transporters OCT1 (SLC22A1) and OCT3 (SLC22A3) is affected by genetic factors and cholestasis in human liver. Hepatology, 2009, 50, 1227-1240.	7.3	316
5	Sex is a major determinant of CYP3A4 expression in human liver. Hepatology, 2003, 38, 978-988.	7.3	244
6	Antimalarial Artemisinin Drugs Induce Cytochrome P450 and MDR1 Expression by Activation of Xenosensors Pregnane X Receptor and Constitutive Androstane Receptor. Molecular Pharmacology, 2005, 67, 1954-1965.	2.3	206
7	Genomic organization of the human CYP3A locus: identification of a new, inducible CYP3A gene. Pharmacogenetics and Genomics, 2001, 11, 111-121.	5.7	204
8	Genetics is a major determinant of expression of the human hepatic uptake transporter OATP1B1, but not of OATP1B3 and OATP2B1. Genome Medicine, 2013, 5, 1.	8.2	198
9	Molecular Mechanisms of Polymorphic CYP3A7 Expression in Adult Human Liver and Intestine. Journal of Biological Chemistry, 2002, 277, 24280-24288.	3.4	164
10	The Induction of Cytochrome P450 3A5 (CYP3A5) in the Human Liver and Intestine Is Mediated by the Xenobiotic Sensors Pregnane X Receptor (PXR) and Constitutively Activated Receptor (CAR). Journal of Biological Chemistry, 2004, 279, 38379-38385.	3.4	162
11	A role for constitutive androstane receptor in the regulation of human intestinal MDR1 expression. Biological Chemistry, 2005, 386, 503-13.	2.5	134
12	Cytochrome P450 3A and their regulation. Naunyn-Schmiedeberg's Archives of Pharmacology, 2004, 369, 105-124.	3.0	118
13	Direct Transcriptional Regulation of Human Hepatic Cytochrome P450 3A4 (CYP3A4) by Peroxisome Proliferatorâ€“Activated Receptor Alpha (PPARÎ±). Molecular Pharmacology, 2013, 83, 709-718.	2.3	88
14	Pregnane X receptor activation and silencing promote steatosis of human hepatic cells by distinct lipogenic mechanisms. Archives of Toxicology, 2015, 89, 2089-2103.	4.2	86
15	Alternative splicing affects the function and tissue-specific expression of the human constitutive androstane receptor. Nuclear Receptor, 2004, 2, 1.	10.0	79
16	Genomewide comparison of the inducible transcriptomes of nuclear receptors CAR, PXR and PPARÎ± in primary human hepatocytes. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 1218-1227.	1.9	67
17	Molecular Mechanism of Basal CYP3A4 Regulation by Hepatocyte Nuclear Factor 4Î±: Evidence for Direct Regulation in the Intestine. Drug Metabolism and Disposition, 2007, 35, 946-954.	3.3	43
18	Regulation of CYP3A4 by pregnane X receptor: The role of nuclear receptors competing for response element binding. Biochemical and Biophysical Research Communications, 2010, 393, 688-693.	2.1	43

#	Article	IF	Citations
19	Shed human enterocytes as a tool for the study of expression and function of intestinal drug-metabolizing enzymes and transporters. Clinical Pharmacology and Therapeutics, 2002, 71, 131-140.	4.7	41
20	Human Sterol Regulatory Element-Binding Protein 1a Contributes Significantly to Hepatic Lipogenic Gene Expression. Cellular Physiology and Biochemistry, 2015, 35, 803-815.	1.6	35
21	Evolutionary History and Functional Characterization of the Amphibian Xenosensor CAR. Molecular Endocrinology, 2012, 26, 14-26.	3.7	26
22	Carboxymefloquine, the Major Metabolite of the Antimalarial Drug Mefloquine, Induces Drug-Metabolizing Enzyme and Transporter Expression by Activation of Pregnane X Receptor. Antimicrobial Agents and Chemotherapy, 2015, 59, 96-104.	3.2	24
23	Effects of rifampicin on global gene expression in human small intestine. Pharmacogenetics and Genomics, 2007, 17, 907-918.	1.5	23
24	The unique complexity of the CYP3A4 upstream region suggests a nongenetic explanation of its expression variability. Pharmacogenetics and Genomics, 2010, 20, 167-178.	1.5	19
25	Human pregnane X receptor is activated by dibenzazepine carbamate-based inhibitors of constitutive androstane receptor. Archives of Toxicology, 2017, 91, 2375-2390.	4.2	14
26	Identification of approved drugs as potent inhibitors of pregnane X receptor activation with differential receptor interaction profiles. Archives of Toxicology, 2018, 92, 1435-1451.	4.2	14
27	The limited impact of CYP3A5 genotype for the pharmacokinetics of CYP3A substrates. European Journal of Clinical Pharmacology, 2007, 63, 1097-1098.	1.9	10
28	PXRVariants and Artemisinin Use in Vietnamese Subjects: Frequency Distribution and Impact on the Interindividual Variability of CYP3A Induction by Artemisinin. Antimicrobial Agents and Chemotherapy, 2012, 56, 2153-2157.	3.2	10
29	Ligand-dependent and -independent regulation of human hepatic sphingomyelin phosphodiesterase acid-like 3A expression by pregnane X receptor and crosstalk with liver X receptor. Biochemical Pharmacology, 2017, 136, 122-135.	4.4	8
30	Nelfinavir and Its Active Metabolite M8 Are Partial Agonists and Competitive Antagonists of the Human Pregnane X Receptor. Molecular Pharmacology, 2021, 99, 184-196.	2.3	6
31	Discrepancy in interactions and conformational dynamics of pregnaneÂXÂreceptor (PXR) bound to an agonist and a novel competitive antagonist. Computational and Structural Biotechnology Journal, 2022, 20, 3004-3018.	4.1	4
32	Structural and Functional Similarity of Amphibian Constitutive Androstane Receptor with Mammalian Pregnane X Receptor. PLoS ONE, 2014, 9, e96263.	2.5	3
33	Identification of novel agonists by high-throughput screening and molecular modelling of human constitutive androstane receptor isoform 3. Archives of Toxicology, 2019, 93, 2247-2264.	4.2	3
34	Identification and characterization of novel splice variants of human farnesoid X receptor. Archives of Biochemistry and Biophysics, 2021, 705, 108893.	3.0	3
35	Target Hopping from Protein Kinases to PXR: Identification of Small-Molecule Protein Kinase Inhibitors as Selective Modulators of Pregnane X Receptor from TÃ¼KIC Library. Cells, 2022, 11, 1299.	4.1	3
36	Development and Experimental Validation of Regularized Machine Learning Models Detecting New, Structurally Distinct Activators of PXR. Cells, 2022, 11, 1253.	4.1	2

#	Article	IF	Citations
37	Nuclear Receptor-Mediated Regulation of Drug Transporters. , 0, , 111-146.		0