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	Development and Experimental Validation of Regularized Machine Learning Models Detecting New, Structurally Distinct Activators of PXR. Cells, 2022, 11, 1253.	4.1	2
2	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
3	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
4	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
5	Identification and characterization of novel splice variants of human farnesoid X receptor. Archives of Biochemistry and Biophysics, 2021, 705, 108893.	3.0	3
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	Structural and Functional Similarity of Amphibian Constitutive Androstane Receptor with Mammalian Pregnane X Receptor. PLoS ONE, 2014, 9, e96263.	2.5	3
15	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
16	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
17	Evolutionary History and Functional Characterization of the Amphibian Xenosensor CAR. Molecular Endocrinology, 2012, 26, 14-26.	3.7	26
18	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

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19	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
20	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
21	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
22	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
23	Effects of rifampicin on global gene expression in human small intestine. Pharmacogenetics and Genomics, 2007, 17, 907-918.	1.5	23
24	The limited impact of CYP3A5 genotype for the pharmacokinetics of CYP3A substrates. European Journal of Clinical Pharmacology, 2007, 63, 1097-1098.	1.9	10
25	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
26	A role for constitutive androstane receptor in the regulation of human intestinal MDR1 expression. Biological Chemistry, 2005, 386, 503-13.	2.5	134
27	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
28	Cytochrome P450 3A and their regulation. Naunyn-Schmiedeberg's Archives of Pharmacology, 2004, 369, 105-124.	3.0	118
29	Alternative splicing affects the function and tissue-specific expression of the human constitutive androstane receptor. Nuclear Receptor, 2004, 2, 1.	10.0	79
30	Sex is a major determinant of CYP3A4 expression in human liver. Hepatology, 2003, 38, 978-988.	7.3	426
31	Sex is a major determinant of CYP3A4 expression in human liver. Hepatology, 2003, 38, 978-988.	7.3	244
32	Molecular Mechanisms of Polymorphic CYP3A7 Expression in Adult Human Liver and Intestine. Journal of Biological Chemistry, 2002, 277, 24280-24288.	3.4	164
33	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
34	Genomic organization of the human CYP3A locus: identification of a new, inducible CYP3A gene. Pharmacogenetics and Genomics, 2001, 11, 111-121.	5.7	204
35	The genetic determinants of the CYP3A5 polymorphism. Pharmacogenetics and Genomics, 2001, 11, 773-779.	5.7	608
36	Nuclear Receptor Response Elements Mediate Induction of Intestinal MDR1 by Rifampin. Journal of Biological Chemistry, 2001, 276, 14581-14587.	3.4	746

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