

# Petr Pavek

## List of Publications by Citations

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130  
papers

4,068  
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37  
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60  
g-index

138  
ext. papers

4,587  
ext. citations

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5.57  
L-index

#	Paper	IF	Citations
130	Xenobiotic-induced transcriptional regulation of xenobiotic metabolizing enzymes of the cytochrome P450 superfamily in human extrahepatic tissues. <i>Current Drug Metabolism</i> , <b>2008</b> , 9, 129-43	3.5	264
129	Human breast cancer resistance protein: interactions with steroid drugs, hormones, the dietary carcinogen 2-amino-1-methyl-6-phenylimidazo(4,5-b)pyridine, and transport of cimetidine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2005</b> , 312, 144-52	4.7	238
128	Breast cancer resistance protein (BCRP/ABCG2). <i>International Journal of Biochemistry and Cell Biology</i> , <b>2005</b> , 37, 720-5	5.6	165
127	P-glycoprotein in the placenta: expression, localization, regulation and function. <i>Reproductive Toxicology</i> , <b>2006</b> , 22, 400-10	3.4	164
126	Valproic acid induces CYP3A4 and MDR1 gene expression by activation of constitutive androstane receptor and pregnane X receptor pathways. <i>Drug Metabolism and Disposition</i> , <b>2007</b> , 35, 1032-41	4	163
125	Endogenous and exogenous ligands of aryl hydrocarbon receptor: current state of art. <i>Current Drug Metabolism</i> , <b>2011</b> , 12, 198-212	3.5	152
124	The mechanisms of pharmacokinetic food-drug interactions - A perspective from the UNGAP group. <i>European Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 134, 31-59	5.1	119
123	Rifampicin Does not Significantly Affect the Expression of Small Heterodimer Partner in Primary Human Hepatocytes. <i>Frontiers in Pharmacology</i> , <b>2012</b> , 3, 1	5.6	103
122	Regulation of drug-metabolizing cytochrome P450 enzymes by glucocorticoids. <i>Drug Metabolism Reviews</i> , <b>2010</b> , 42, 621-35	7	85
121	Variation of drug kinetics in pregnancy. <i>Current Drug Metabolism</i> , <b>2009</b> , 10, 520-9	3.5	85
120	The function of cytochrome P450 1A1 enzyme (CYP1A1) and aryl hydrocarbon receptor (AhR) in the placenta. <i>Current Pharmaceutical Biotechnology</i> , <b>2011</b> , 12, 715-30	2.6	81
119	Post-translational and post-transcriptional modifications of pregnane X receptor (PXR) in regulation of the cytochrome P450 superfamily. <i>Current Drug Metabolism</i> , <b>2013</b> , 14, 1059-69	3.5	77
118	Examination of Glucocorticoid receptor alpha-mediated transcriptional regulation of P-glycoprotein, CYP3A4, and CYP2C9 genes in placental trophoblast cell lines. <i>Placenta</i> , <b>2007</b> , 28, 1004-14	3.4	73
117	Expression and transport activity of breast cancer resistance protein (Bcrp/Abcg2) in dually perfused rat placenta and HRP-1 cell line. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 319, 53-62	4.7	72
116	Expression and functional activity of breast cancer resistance protein (BCRP, ABCG2) transporter in the human choriocarcinoma cell line BeWo. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2006</b> , 33, 58-65	3	68
115	Pregnane X Receptor (PXR)-Mediated Gene Repression and Cross-Talk of PXR with Other Nuclear Receptors via Coactivator Interactions. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 456	5.6	65
114	Expression and activity of vitamin D receptor in the human placenta and in choriocarcinoma BeWo and JEG-3 cell lines. <i>Molecular and Cellular Endocrinology</i> , <b>2009</b> , 299, 178-87	4.4	64

113	Metformin suppresses pregnane X receptor (PXR)-regulated transactivation of CYP3A4 gene. <i>Biochemical Pharmacology</i> , <b>2011</b> , 82, 1771-80	6	63
112	Dexamethasone controls aryl hydrocarbon receptor (AhR)-mediated CYP1A1 and CYP1A2 expression and activity in primary cultures of human hepatocytes. <i>Chemico-Biological Interactions</i> , <b>2009</b> , 179, 288-96	5	62
111	Development of 3,5-Dinitrobenzylsulfanyl-1,3,4-oxadiazoles and Thiadiazoles as Selective Antitubercular Agents Active Against Replicating and Nonreplicating Mycobacterium tuberculosis. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 2362-80	8.3	61
110	Lack of interactions between breast cancer resistance protein (bcrp/abcg2) and selected antiepileptic agents. <i>Epilepsia</i> , <b>2006</b> , 47, 461-8	6.4	61
109	JNK inhibitor SP600125 is a partial agonist of human aryl hydrocarbon receptor and induces CYP1A1 and CYP1A2 genes in primary human hepatocytes. <i>Biochemical Pharmacology</i> , <b>2008</b> , 75, 580-8	6	60
108	Influence of P-glycoprotein on the transplacental passage of cyclosporine. <i>Journal of Pharmaceutical Sciences</i> , <b>2001</b> , 90, 1583-92	3.9	60
107	P-glycoprotein expression and distribution in the rat placenta during pregnancy. <i>Reproductive Toxicology</i> , <b>2004</b> , 18, 785-92	3.4	59
106	Expression and function of p-glycoprotein in normal tissues: effect on pharmacokinetics. <i>Methods in Molecular Biology</i> , <b>2010</b> , 596, 199-222	1.4	57
105	Intestinal cell-specific vitamin D receptor (VDR)-mediated transcriptional regulation of CYP3A4 gene. <i>Biochemical Pharmacology</i> , <b>2010</b> , 79, 277-87	6	55
104	Novel stably transfected gene reporter human hepatoma cell line for assessment of aryl hydrocarbon receptor transcriptional activity: construction and characterization. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 10133-9	10.3	53
103	SB203580, a pharmacological inhibitor of p38 MAP kinase transduction pathway activates ERK and JNK MAP kinases in primary cultures of human hepatocytes. <i>European Journal of Pharmacology</i> , <b>2008</b> , 593, 16-23	5.3	51
102	Azole antimycotics differentially affect rifampicin-induced pregnane X receptor-mediated CYP3A4 gene expression. <i>Drug Metabolism and Disposition</i> , <b>2008</b> , 36, 339-48	4	51
101	Examination of the functional activity of P-glycoprotein in the rat placental barrier using rhodamine 123. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2003</b> , 305, 1239-50	4.7	51
100	Metformin induces PGC-1 $\alpha$ expression and selectively affects hepatic PGC-1 $\alpha$ functions. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 2351-63	8.6	50
99	Stereoselective interactions of warfarin enantiomers with the pregnane X nuclear receptor in gene regulation of major drug-metabolizing cytochrome P450 enzymes. <i>Journal of Thrombosis and Haemostasis</i> , <b>2010</b> , 8, 2708-17	15.4	43
98	Pelargonidin activates the AhR and induces CYP1A1 in primary human hepatocytes and human cancer cell lines HepG2 and LS174T. <i>Toxicology Letters</i> , <b>2013</b> , 218, 253-9	4.4	42
97	Role of breast cancer resistance protein (Bcrp/Abcg2) in fetal protection during gestation in rat. <i>Toxicology Letters</i> , <b>2008</b> , 178, 176-80	4.4	40
96	Pregnane X Receptor and Cancer: Context-Specificity is Key. <i>Nuclear Receptor Research</i> , <b>2016</b> , 3,	1.4	39

95	S-substituted 3,5-dinitrophenyl 1,3,4-oxadiazole-2-thiols and tetrazole-5-thiols as highly efficient antitubercular agents. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 126, 369-383	6.8	37
94	Corticosterone transfer and metabolism in the dually perfused rat placenta: effect of 11beta-hydroxysteroid dehydrogenase type 2. <i>Placenta</i> , <b>2006</b> , 27, 171-80	3.4	37
93	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. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 82, 324-40	6.8	36
92	Aryl hydrocarbon receptor and aryl hydrocarbon nuclear translocator expression in human and rat placentas and transcription activity in human trophoblast cultures. <i>Toxicological Sciences</i> , <b>2011</b> , 123, 26-36	4.4	36
91	Cytochrome P450 enzyme regulation by glucocorticoids and consequences in terms of drug interaction. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2014</b> , 10, 425-35	5.5	35
90	Valproic acid augments vitamin D receptor-mediated induction of CYP24 by vitamin D3: a possible cause of valproic acid-induced osteomalacia?. <i>Toxicology Letters</i> , <b>2011</b> , 200, 146-53	4.4	34
89	Construction and characterization of a reporter gene cell line for assessment of human glucocorticoid receptor activation. <i>European Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 47, 842-7	5.1	33
88	Current challenges and future perspectives in oral absorption research: An opinion of the UNGAP network. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 171, 289-331	18.5	30
87	Chrysin, baicalein and galangin are indirect activators of the human constitutive androstane receptor (CAR). <i>Toxicology Letters</i> , <b>2015</b> , 233, 68-77	4.4	29
86	The pregnane X receptor down-regulates organic cation transporter 1 (SLC22A1) in human hepatocytes by competing for ("squenching") SRC-1 coactivator. <i>British Journal of Pharmacology</i> , <b>2016</b> , 173, 1703-15	8.6	28
85	Effects of anthocyanins on the AhR-CYP1A1 signaling pathway in human hepatocytes and human cancer cell lines. <i>Toxicology Letters</i> , <b>2013</b> , 221, 1-8	4.4	27
84	Nuclear receptors in regulation of biotransformation enzymes and drug transporters in the placental barrier. <i>Drug Metabolism Reviews</i> , <b>2014</b> , 46, 19-32	7	27
83	Ecological Characteristics of <i>Ventemata dubia</i> in the Intermountain Pacific Northwest. <i>Invasive Plant Science and Management</i> , <b>2015</b> , 8, 57-71	1	26
82	Cholestatic effect of epigallocatechin gallate in rats is mediated via decreased expression of Mrp2. <i>Toxicology</i> , <b>2013</b> , 303, 9-15	4.4	25
81	New high-performance liquid chromatography method for the determination of (R)-warfarin and (S)-warfarin using chiral separation on a glycopeptide-based stationary phase. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2009</b> , 877, 3226-30	3.2	23
80	Olomoucine II and purvalanol A inhibit ABCG2 transporter in vitro and in situ and synergistically potentiate cytostatic effect of mitoxantrone. <i>Pharmacological Research</i> , <b>2012</b> , 65, 312-9	10.2	22
79	Unexpected Effects of Propiconazole, Tebuconazole, and Their Mixture on the Receptors CAR and PXR in Human Liver Cells. <i>Toxicological Sciences</i> , <b>2018</b> , 163, 170-181	4.4	21
78	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. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 2243-59	5.8	20

77	Glucocorticoid receptor regulates organic cation transporter 1 (OCT1, SLC22A1) expression via HNF4 $\alpha$ upregulation in primary human hepatocytes. <i>Pharmacological Reports</i> , <b>2013</b> , 65, 1322-35	3.9	20
76	Development of water-soluble 3,5-dinitrophenyl tetrazole and oxadiazole antitubercular agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 5468-5476	3.4	20
75	Development of 3,5-Dinitrophenyl-Containing 1,2,4-Triazoles and Their Trifluoromethyl Analogues as Highly Efficient Antitubercular Agents Inhibiting Decaprenylphosphoryl- $\beta$ -D-ribofuranose 2-Oxidase. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 8115-8139	8.3	19
74	Acetylated deoxycholic (DCA) and cholic (CA) acids are potent ligands of pregnane X (PXR) receptor. <i>Toxicology Letters</i> , <b>2017</b> , 265, 86-96	4.4	19
73	In vitro platelet antiaggregatory properties of 4-methylcoumarins. <i>Biochimie</i> , <b>2012</b> , 94, 2681-6	4.6	19
72	Benzodiazepines medazepam and midazolam are activators of pregnane X receptor and weak inducers of CYP3A4: investigation in primary cultures of human hepatocytes and hepatocarcinoma cell lines. <i>Toxicology Letters</i> , <b>2010</b> , 193, 183-8	4.4	19
71	Boldine enhances bile production in rats via osmotic and farnesoid X receptor dependent mechanisms. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 285, 12-22	4.6	17
70	The role of residues T248, Y249 and T422 in the function of human pregnane X receptor. <i>Archives of Toxicology</i> , <b>2013</b> , 87, 291-301	5.8	17
69	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. <i>Toxicology Letters</i> , <b>2019</b> , 300, 81-91	4.4	17
68	The Use of the LanthaScreen TR-FRET CAR Coactivator Assay in the Characterization of Constitutive Androstane Receptor (CAR) Inverse Agonists. <i>Sensors</i> , <b>2015</b> , 15, 9265-76	3.8	16
67	Dexamethasone accelerates degradation of aryl hydrocarbon receptor (AHR) and suppresses CYP1A1 induction in placental JEG-3 cell line. <i>Toxicology Letters</i> , <b>2013</b> , 223, 183-91	4.4	16
66	Bisamidate Prodrugs of 2-Substituted 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA, adefovir) as Selective Inhibitors of Adenylate Cyclase Toxin from Bordetella pertussis. <i>ChemMedChem</i> , <b>2015</b> , 10, 1351-64	3.7	15
65	The impact of C677T and A1298C MTHFR polymorphisms on methotrexate therapeutic response in East Bohemian region rheumatoid arthritis patients. <i>Rheumatology International</i> , <b>2015</b> , 35, 1149-61	3.6	15
64	Expression of organic cation transporter 1 (OCT1): unique patterns of indirect regulation by nuclear receptors and hepatospecific gene regulation. <i>Drug Metabolism Reviews</i> , <b>2016</b> , 48, 139-58	7	14
63	2-(3-Methoxyphenyl)quinazoline Derivatives: A New Class of Direct Constitutive Androstane Receptor (CAR) Agonists. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 4601-10	8.3	14
62	A review on pharmacological activities and synergistic effect of quercetin with small molecule agents. <i>Phytomedicine</i> , <b>2021</b> , 92, 153736	6.5	14
61	Interactions with selected drug renal transporters and transporter-mediated cytotoxicity in antiviral agents from the group of acyclic nucleoside phosphonates. <i>Toxicology</i> , <b>2013</b> , 311, 135-46	4.4	13
60	Steviol, an aglycone of steviol glycoside sweeteners, interacts with the pregnane X (PXR) and aryl hydrocarbon (AHR) receptors in detoxification regulation. <i>Food and Chemical Toxicology</i> , <b>2017</b> , 109, 130-42	4.7	13

59	Iron depletion induces hepatic secretion of biliary lipids and glutathione in rats. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2017</b> , 1862, 1469-1480	5	13
58	The 3Quntranslated region contributes to the pregnane X receptor (PXR) expression down-regulation by PXR ligands and up-regulation by glucocorticoids. <i>Acta Pharmaceutica Sinica B</i> , <b>2020</b> , 10, 136-152	15.5	13
57	Honey flavonoids inhibit hOATP2B1 and hOATP1A2 transporters and hOATP-mediated rosuvastatin cell uptake in vitro. <i>Xenobiotica</i> , <b>2018</b> , 48, 745-755	2	11
56	PLGA Based Nanospheres as a Potent Macrophage-Specific Drug Delivery System. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	11
55	Mathematical Models in the Description of Pregnane X Receptor (PXR)-Regulated Cytochrome P450 Enzyme Induction. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	10
54	Resveratrol as an inhibitor of pregnane X receptor (PXR): another lesson in PXR antagonism. <i>Journal of Pharmacological Sciences</i> , <b>2014</b> , 126, 177-8	3.7	10
53	In vitro and in silico Evaluation of Non-Quaternary Reactivators of AChE as Antidotes of Organophosphorus Poisoning - a New Hope or a Blind Alley?. <i>Medicinal Chemistry</i> , <b>2018</b> , 14, 281-292	1.8	10
52	Teriflunomide Is an Indirect Human Constitutive Androstane Receptor (CAR) Activator Interacting With Epidermal Growth Factor (EGF) Signaling. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 993	5.6	9
51	Novel derivatives of nitro-substituted salicylic acids: Synthesis, antimicrobial activity and cytotoxicity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 7292-301	3.4	8
50	Bioinformatic analysis of miRNAs targeting the key nuclear receptors regulating CYP3A4 gene expression: The challenge of the CYP3A4 "missing heritability" enigma. <i>Journal of Applied Biomedicine</i> , <b>2015</b> , 13, 181-188	0.6	7
49	A feasibility study of the toxic responses of human induced pluripotent stem cell-derived hepatocytes to phytochemicals. <i>Toxicology in Vitro</i> , <b>2018</b> , 52, 94-105	3.6	7
48	Stereoselective pharmacokinetics of flobufen in rats. <i>Chirality</i> , <b>1999</b> , 11, 781-6	2.1	7
47	Entecavir Interacts with Influx Transporters hOAT1, hCNT2, hCNT3, but Not with hOCT2: The Potential for Renal Transporter-Mediated Cytotoxicity and Drug-Drug Interactions. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 304	5.6	7
46	Marine Ligands of the Pregnane X Receptor (PXR): An Overview. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	6
45	Investigation of Orlistat effects on PXR activation and CYP3A4 expression in primary human hepatocytes and human intestinal LS174T cells. <i>European Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 41, 276-80	5.1	6
44	Glucocorticoid receptor functions in HeLa Cells are perturbed by 2,3,8,9-tetrachlorodibenzo-p-dioxin (TCDD). <i>Drug Metabolism Letters</i> , <b>2007</b> , 1, 311-4	2.1	6
43	Resveratrol modifies biliary secretion of cholephilic compounds in sham-operated and cholestatic rats. <i>World Journal of Gastroenterology</i> , <b>2017</b> , 23, 7678-7692	5.6	6
42	Etatenin signaling, the constitutive androstane receptor and their mutual interactions. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 3983-3991	5.8	6



41	Genetic Predispositions of Glucocorticoid Resistance and Therapeutic Outcomes in Polymyalgia Rheumatica and Giant Cell Arteritis. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	5
40	Effects of glucocorticoids on cytochrome P450 1A1 (CYP1A1) expression in isolated human placental trophoblast. <i>Journal of Applied Biomedicine</i> , <b>2013</b> , 11, 163-172	0.6	5
39	The plausible association of MTHFR and ADORA2A polymorphisms with nodules in rheumatoid arthritis patients treated with methotrexate. <i>Pharmacogenetics and Genomics</i> , <b>2017</b> , 27, 43-50	1.9	5
38	Determination of rhodamine 123 by sequential injection technique for pharmacokinetic studies in the rat placenta. <i>Talanta</i> , <b>2002</b> , 58, 1145-1149	6.2	5
37	Dietary phytochemicals as modulators of human pregnane X receptor. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-23	11.5	5
36	Interaction of soy isoflavones and their main metabolites with hOATP2B1 transporter. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2018</b> , 391, 1063-1071	3.4	5
35	Genetic polymorphisms in metabolic pathways of leflunomide in the treatment of rheumatoid arthritis. <i>Clinical and Experimental Rheumatology</i> , <b>2015</b> , 33, 426-32	2.2	5
34	The influence of coffee intake and genetics on adenosine pathway in rheumatoid arthritis. <i>Pharmacogenomics</i> , <b>2020</b> , 21, 735-749	2.6	4
33	Effect of Endocannabinoid Oleamide on Rat and Human Liver Cytochrome P450 Enzymes in In Vitro and In Vivo Models. <i>Drug Metabolism and Disposition</i> , <b>2018</b> , 46, 913-923	4	4
32	Fully automatic flow-based device for monitoring of drug permeation across a cell monolayer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 971-81	4.4	4
31	Iron overload reduces synthesis and elimination of bile acids in rat liver. <i>Scientific Reports</i> , <b>2019</b> , 9, 9780	4.9	4
30	Construction and characterization of hepatocyte nuclear factor HNF4alpha1 over-expressing cell line derived from human hepatoma HepG2 cells. <i>European Journal of Pharmacology</i> , <b>2011</b> , 669, 45-50	5.3	4
29	Stereoselective pharmacokinetics and metabolism of flobufen in guinea pigs. <i>Chirality</i> , <b>2003</b> , 15, 724-9	2.1	4
28	Oligonucleotide Delivery across the Caco-2 Monolayer: The Design and Evaluation of Self-Emulsifying Drug Delivery Systems (SEDDS). <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	4
27	Transcriptional and post-transcriptional regulation of the pregnane X receptor: a rationale for interindividual variability in drug metabolism. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 11-25	5.8	4
26	Stilbene compound trans-3,4,5,4'-tetramethoxystilbene, a potential anticancer drug, regulates constitutive androstane receptor (Car) target genes, but does not possess proliferative activity in mouse liver. <i>Toxicology Letters</i> , <b>2019</b> , 313, 1-10	4.4	3
25	Diazepam Promotes Translocation of Human Constitutive Androstane Receptor (CAR) via Direct Interaction with the Ligand-Binding Domain. <i>Cells</i> , <b>2020</b> , 9,	7.9	3
24	Role of dihydromyricetin in cytochrome P450-mediated metabolism and carcinogen activation. <i>Neuroendocrinology Letters</i> , <b>2015</b> , 36 Suppl 1, 46-52	0.3	3

23	Sesquiterpenes Are Agonists of the Pregnane X Receptor but Do Not Induce the Expression of Phase I Drug-Metabolizing Enzymes in the Human Liver. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	2
22	Ursodeoxycholyly lysophosphatidylethanolamide negatively regulates TLR-mediated lipopolysaccharide response in human THP-1-derived macrophages. <i>European Journal of Pharmacology</i> , <b>2018</b> , 825, 63-74	5.3	2
21	Valproate activates ERK signaling pathway in primary human hepatocytes. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301;, Olomouc, Czechoslovakia</i> , <b>2014</b> , 158, 39-43	1.7	2
20	Metformin impairs bile acid homeostasis in ethinylestradiol-induced cholestasis in mice. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 345, 109525	5	2
19	3̢isobeticholic acid efficiently activates the farnesoid X receptor (FXR) due to its epimerization to 3̢epimer by hepatic metabolism. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2020</b> , 202, 105702	5.1	1
18	Adherence to osteoporosis guideline: survey among Czech general practitioners. <i>Open Medicine (Poland)</i> , <b>2014</b> , 9, 687-693	2.2	1
17	Modulation of xenobiotic conjugation enzymes by dihydromyricetin in rats. <i>Monatshefte F̈ur Chemie</i> , <b>2017</b> , 148, 2003-2009	1.4	1
16	Unidirectional transfer of D-xylose across the rat placenta. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>1998</b> , 25, 54-6	3	1
15	Comment on "The role of redox-sensitive transcription factors NF-kB and AP-1 in the modulation of the Cyp1A1 gene by mercury, lead, and copper". <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 45, 939; author reply 940	7.8	1
14	Off-target lipid metabolism disruption by the mouse constitutive androstane receptor ligand TCPOBOP in humanized mice.. <i>Biochemical Pharmacology</i> , <b>2021</b> , 114905	6	1
13	Expression dynamics of pregnane X receptor-controlled genes in 3D primary human hepatocyte spheroids. <i>Archives of Toxicology</i> , <b>2021</b> , 1	5.8	1
12	3D printed permeation module to monitor interaction of cell membrane transporters with exogenic compounds in real-time. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1153, 338296	6.6	1
11	(E)-7-Ethylidene-lithocholic Acid (7-ELCA) Is a Potent Dual Farnesoid X Receptor (FXR) Antagonist and GPBAR1 Agonist Inhibiting FXR-Induced Gene Expression in Hepatocytes and Stimulating Glucagon-like Peptide-1 Secretion From Enteroendocrine Cells. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 713149	5.6	1
10	Methotrexate impact on radiographic progression in biologic-treated rheumatoid arthritis under clinical remission: A case report on monozygotic Caucasian twins. <i>International Journal of Immunopathology and Pharmacology</i> , <b>2016</b> , 29, 790-795	3	0
9	Gene expression profiling of 1̢25(OH) D treatment in 2D/3D human hepatocyte models reveals CYP3A4 induction but minor changes in other xenobiotic-metabolizing genes.. <i>Molecular Nutrition and Food Research</i> , <b>2022</b> , e2200070	5.9	0
8	Multidrug Resistance-Associated Protein 2 Deficiency Aggravates Estrogen-Induced Impairment of Bile Acid Metabolomics in Rats.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 859294	4.6	0
7	Real-time monitoring of Metridia luciferase release from cells upon interaction with model toxic substances by a fully automatic flow setup - A proof of concept.. <i>Talanta</i> , <b>2022</b> , 245, 123465	6.2	0
6	Are haplotypes in a single methotrexate pathway more predictive for response in rheumatoid arthritis than in different pathways?. <i>Pharmacogenomics</i> , <b>2018</b> , 19, 379-381	2.6	



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