Petr Pavek

List of Publications by Year in descending order

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132 papers	5,178 citations	76196 40 h-index	95083 68 g-index
138 all docs	138 docs citations	138 times ranked	6644 citing authors

#	Article	IF	Citations
1	Xenobiotic-Induced Transcriptional Regulation of Xenobiotic Metabolizing Enzymes of the Cytochrome P450 Superfamily in Human Extrahepatic Tissues. Current Drug Metabolism, 2008, 9, 129-143.	0.7	289
2	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. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 144-152.	1.3	258
3	The mechanisms of pharmacokinetic food-drug interactions â€“ A perspective from the UNGAP group. European Journal of Pharmaceutical Sciences, 2019, 134, 31-59.	1.9	224
4	Valproic Acid Induces CYP3A4 and MDR1 Gene Expression by Activation of Constitutive Androstane Receptor and Pregnane X Receptor Pathways. Drug Metabolism and Disposition, 2007, 35, 1032-1041.	1.7	195
5	Breast cancer resistance protein (BCRP/ABCG2). International Journal of Biochemistry and Cell Biology, 2005, 37, 720-725.	1.2	189
6	P-glycoprotein in the placenta: Expression, localization, regulation and function. Reproductive Toxicology, 2006, 22, 400-410.	1.3	187
7	Endogenous and Exogenous Ligands of Aryl Hydrocarbon Receptor: Current State of Art. Current Drug Metabolism, 2011, 12, 198-212.	0.7	184
8	Rifampicin Does not Significantly Affect the Expression of Small Heterodimer Partner in Primary Human Hepatocytes. Frontiers in Pharmacology, 2012, 3, 1.	1.6	177
9	Pregnane X Receptor (PXR)-Mediated Gene Repression and Cross-Talk of PXR with Other Nuclear Receptors via Coactivator Interactions. Frontiers in Pharmacology, 2016, 7, 456.	1.6	115
10	Regulation of drug-metabolizing cytochrome P450 enzymes by glucocorticoids. Drug Metabolism Reviews, 2010, 42, 621-635.	1.5	100
11	The Function of Cytochrome P450 1A1 Enzyme (CYP1A1) and Aryl Hydrocarbon Receptor (AhR) in the Placenta. Current Pharmaceutical Biotechnology, 2011, 12, 715-730.	0.9	96
12	Variation of Drug Kinetics in Pregnancy. Current Drug Metabolism, 2009, 10, 520-529.	0.7	93
13	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
14	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
15	Current challenges and future perspectives in oral absorption research: An opinion of the UNGAP network. Advanced Drug Delivery Reviews, 2021, 171, 289-331.	6.6	84
16	Expression and Transport Activity of Breast Cancer Resistance Protein (Bcrp/Abcg2) in Dually Perfused Rat Placenta and HRP-1 Cell Line. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 53-62.	1.3	79
17	A review on pharmacological activities and synergistic effect of quercetin with small molecule agents. Phytomedicine, 2021, 92, 153736.	2.3	78
18	EXPRESSION AND FUNCTIONAL ACTIVITY OF BREAST CANCER RESISTANCE PROTEIN (BCRP, ABCG2) TRANSPORTER IN THE HUMAN CHORIOCARCINOMA CELL LINE BEWO. Clinical and Experimental Pharmacology and Physiology, 2006, 33, 58-65.	0.9	74

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19	Examination of Glucocorticoid Receptor Î±-Mediated Transcriptional Regulation of P-glycoprotein, CYP3A4, and CYP2C9 Genes in Placental Trophoblast Cell Lines. Placenta, 2007, 28, 1004-1011.	0.7	74
20	Expression and Function of P-Glycoprotein in Normal Tissues: Effect on Pharmacokinetics. Methods in Molecular Biology, 2010, 596, 199-222.	0.4	74
21	Expression and activity of vitamin D receptor in the human placenta and in choriocarcinoma BeWo and JEG-3 cell lines. Molecular and Cellular Endocrinology, 2009, 299, 178-187.	1.6	71
22	Metformin suppresses pregnane X receptor (PXR)-regulated transactivation of CYP3A4 gene. Biochemical Pharmacology, 2011, 82, 1771-1780.	2.0	71
23	JNK inhibitor SP600125 is a partial agonist of human aryl hydrocarbon receptor and induces CYP1A1 and CYP1A2 genes in primary human hepatocytes. Biochemical Pharmacology, 2008, 75, 580-588.	2.0	69
24	Novel Stably Transfected Gene Reporter Human Hepatoma Cell Line for Assessment of Aryl Hydrocarbon Receptor Transcriptional Activity: Construction and Characterization. Environmental Science & Technology, 2011, 45, 10133-10139.	4.6	69
25	Dexamethasone controls aryl hydrocarbon receptor (AhR)-mediated CYP1A1 and CYP1A2 expression and activity in primary cultures of human hepatocytes. Chemico-Biological Interactions, 2009, 179, 288-296.	1.7	67
26	Metformin induces <scp>PGC</scp>â€1Î± expression and selectively affects hepatic <scp>PGC</scp>â€1Î± functions. British Journal of Pharmacology, 2014, 171, 2351-2363.	2.7	67
27	Lack of Interactions between Breast Cancer Resistance Protein (BCRP/ABCG2) and Selected Antiepileptic Agents. Epilepsia, 2006, 47, 461-468.	2.6	65
28	Influence of Pâ€Glycoprotein on the Transplacental Passage of Cyclosporine. Journal of Pharmaceutical Sciences, 2001, 90, 1583-1592.	1.6	63
29	P-glycoprotein expression and distribution in the rat placenta during pregnancy. Reproductive Toxicology, 2004, 18, 785-792.	1.3	63
30	Intestinal cell-specific vitamin D receptor (VDR)-mediated transcriptional regulation of CYP3A4 gene. Biochemical Pharmacology, 2010, 79, 277-287.	2.0	58
31	SB203580, a pharmacological inhibitor of p38 MAP kinase transduction pathway activates ERK and JNK MAP kinases in primary cultures of human hepatocytes. European Journal of Pharmacology, 2008, 593, 16-23.	1.7	55
32	Examination of the Functional Activity of P-glycoprotein in the Rat Placental Barrier Using Rhodamine 123. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 1239-1250.	1.3	54
33	Azole Antimycotics Differentially Affect Rifampicin-Induced Pregnane X Receptor-Mediated CYP3A4 Gene Expression. Drug Metabolism and Disposition, 2008, 36, 339-348.	1.7	54
34	Pregnane X Receptor and Cancer: Context-Specificity is Key. Nuclear Receptor Research, 2016, 3, .	2.5	53
35	S-substituted 3,5-dinitrophenyl 1,3,4-oxadiazole-2-thiols and tetrazole-5-thiols as highly efficient antitubercular agents. European Journal of Medicinal Chemistry, 2017, 126, 369-383.	2.6	50
36	Pelargonidin activates the AhR and induces CYP1A1 in primary human hepatocytes and human cancer cell lines HepG2 and LS174T. Toxicology Letters, 2013, 218, 253-259.	0.4	49

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37	Stereoselective interactions of warfarin enantiomers with the pregnane X nuclear receptor in gene regulation of major drugâ€metabolizing cytochrome P450 enzymes. Journal of Thrombosis and Haemostasis, 2010, 8, 2708-2717.	1.9	48
38	Role of breast cancer resistance protein (Bcrp/Abcg2) in fetal protection during gestation in rat. Toxicology Letters, 2008, 178, 176-180.	0.4	44
39	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
40	Aryl Hydrocarbon Receptor and Aryl Hydrocarbon Nuclear Translocator Expression in Human and Rat Placentas and Transcription Activity in Human Trophoblast Cultures. Toxicological Sciences, 2011, 123, 26-36.	1.4	43
41	Cytochrome P450 enzyme regulation by glucocorticoids and consequences in terms of drug interaction. Expert Opinion on Drug Metabolism and Toxicology, 2014, 10, 425-435.	1.5	43
42	Corticosterone Transfer and Metabolism in the Dually Perfused Rat Placenta: Effect of 11Î²-hydroxysteroid Dehydrogenase Type 2. Placenta, 2006, 27, 171-180.	0.7	40
43	Valproic acid augments vitamin D receptor-mediated induction of CYP24 by vitamin D3: A possible cause of valproic acid-induced osteomalacia?. Toxicology Letters, 2011, 200, 146-153.	0.4	39
44	Ecological Characteristics of Ventenata dubia in the Intermountain Pacific Northwest. Invasive Plant Science and Management, 2015, 8, 57-71.	0.5	38
45	Development of water-soluble 3,5-dinitrophenyl tetrazole and oxadiazole antitubercular agents. Bioorganic and Medicinal Chemistry, 2017, 25, 5468-5476.	1.4	38
46	Construction and characterization of a reporter gene cell line for assessment of human glucocorticoid receptor activation. European Journal of Pharmaceutical Sciences, 2012, 47, 842-847.	1.9	37
47	Chrysin, baicalein and galangin are indirect activators of the human constitutive androstane receptor (CAR). Toxicology Letters, 2015, 233, 68-77.	0.4	37
48	Development of 3,5-Dinitrophenyl-Containing 1,2,4-Triazoles and Their Trifluoromethyl Analogues as Highly Efficient Antitubercular Agents Inhibiting Decaprenylphosphoryl-Î²-<scp>d</scp>-ribofuranose 2â€²-Oxidase. Journal of Medicinal Chemistry, 2019, 62, 8115-8139.	2.9	37
49	Nuclear receptors in regulation of biotransformation enzymes and drug transporters in the placental barrier. Drug Metabolism Reviews, 2014, 46, 19-32.	1.5	36
50	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
51	Unexpected Effects of Propiconazole, Tebuconazole, and Their Mixture on the Receptors CAR and PXR in Human Liver Cells. Toxicological Sciences, 2018, 163, 170-181.	1.4	33
52	Dietary phytochemicals as modulators of human pregnane X receptor. Critical Reviews in Food Science and Nutrition, 2023, 63, 3279-3301.	5.4	31
53	Effects of anthocyanins on the AhRâ€“CYP1A1 signaling pathway in human hepatocytes and human cancer cell lines. Toxicology Letters, 2013, 221, 1-8.	0.4	29
54	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

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55	New high-performance liquid chromatography method for the determination of (R)-warfarin and (S)-warfarin using chiral separation on a glycopeptide-based stationary phase. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3226-3230.	1.2	27
56	Cholestatic effect of epigallocatechin gallate in rats is mediated via decreased expression of Mrp2. Toxicology, 2013, 303, 9-15.	2.0	27
57	PLGA Based Nanospheres as a Potent Macrophage-Specific Drug Delivery System. Nanomaterials, 2021, 11, 749.	1.9	27
58	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
59	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
60	Acetylated deoxycholic (DCA) and cholic (CA) acids are potent ligands of pregnane X (PXR) receptor. Toxicology Letters, 2017, 265, 86-96.	0.4	25
61	InÂvitro platelet antiaggregatory properties of 4-methylcoumarins. Biochimie, 2012, 94, 2681-2686.	1.3	23
62	Olomoucine II and purvalanol A inhibit ABCG2 transporter in vitro and in situ and synergistically potentiate cytostatic effect of mitoxantrone. Pharmacological Research, 2012, 65, 312-319.	3.1	23
63	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. Toxicology Letters, 2010, 193, 183-188.	0.4	21
64	The role of residues T248, Y249 and T422 in the function of human pregnane X receptor. Archives of Toxicology, 2013, 87, 291-301.	1.9	21
65	The Use of the LanthaScreen TR-FRET CAR Coactivator Assay in the Characterization of Constitutive Androstane Receptor (CAR) Inverse Agonists. Sensors, 2015, 15, 9265-9276.	2.1	20
66	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
67	Boldine enhances bile production in rats via osmotic and Farnesoid X receptor dependent mechanisms. Toxicology and Applied Pharmacology, 2015, 285, 12-22.	1.3	19
68	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
69	In vitro and in silico Evaluation of Non-Quaternary Reactivators of AChE as Antidotes of Organophosphorus Poisoning - a New Hope or a Blind Alley?. Medicinal Chemistry, 2018, 14, 281-292.	0.7	19
70	Bisamidate Prodrugs of 2â€Substituted 9â€[2â€(Phosphonomethoxy)ethyl]adenine (PMEA, adefovir) as Selective Inhibitors of Adenylate Cyclase Toxin from Bordetella pertussis. ChemMedChem, 2015, 10, 1351-1364.	1.6	18
71	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
72	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

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73	Mathematical Models in the Description of Pregnane X Receptor (PXR)-Regulated Cytochrome P450 Enzyme Induction. International Journal of Molecular Sciences, 2018, 19, 1785.	1.8	18
74	Dexamethasone accelerates degradation of aryl hydrocarbon receptor (AHR) and suppresses CYP1A1 induction in placental JEG-3 cell line. Toxicology Letters, 2013, 223, 183-191.	0.4	17
75	The impact of C677T and A1298C MTHFR polymorphisms on methotrexate therapeutic response in East Bohemian region rheumatoid arthritis patients. Rheumatology International, 2015, 35, 1149-1161.	1.5	17
76	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
77	Interactions with selected drug renal transporters and transporter-mediated cytotoxicity in antiviral agents from the group of acyclic nucleoside phosphonates. Toxicology, 2013, 311, 135-146.	2.0	16
78	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
79	Iron overload reduces synthesis and elimination of bile acids in rat liver. Scientific Reports, 2019, 9, 9780.	1.6	13
80	Resveratrol modifies biliary secretion of cholephilic compounds in sham-operated and cholestatic rats. World Journal of Gastroenterology, 2017, 23, 7678-7692.	1.4	13
81	Entecavir Interacts with Influx Transporters hOAT1, hCNT2, hCNT3, but Not with hOCT2: The Potential for Renal Transporter-Mediated Cytotoxicity and Drugâ€“Drug Interactions. Frontiers in Pharmacology, 2015, 6, 304.	1.6	12
82	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
83	Honey flavonoids inhibit hOATP2B1 and hOATP1A2 transporters and hOATP-mediated rosuvastatin cell uptake in vitro. Xenobiotica, 2018, 48, 745-755.	0.5	11
84	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
85	Novel derivatives of nitro-substituted salicylic acids: Synthesis, antimicrobial activity and cytotoxicity. Bioorganic and Medicinal Chemistry, 2015, 23, 7292-7301.	1.4	9
86	Marine Ligands of the Pregnane X Receptor (PXR): An Overview. Marine Drugs, 2019, 17, 554.	2.2	9
87	Atorvastatin Modulates Bile Acid Homeostasis in Mice with Diet-Induced Nonalcoholic Steatohepatitis. International Journal of Molecular Sciences, 2021, 22, 6468.	1.8	9
88	Metformin impairs bile acid homeostasis in ethinylestradiol-induced cholestasis in mice. Chemico-Biological Interactions, 2021, 345, 109525.	1.7	9
89	Stereoselective pharmacokinetics of flobufen in rats. , 1999, 11, 781-786.		8
90	Glucocorticoid Receptor Functions in HeLa Cells Are Perturbed by 2,3,8,9-tetrachlorodibenzo-p-dioxin (TCDD). Drug Metabolism Letters, 2007, 1, 311-314.	0.5	8

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91	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
92	Î²-catenin signaling, the constitutive androstane receptor and their mutual interactions. Archives of Toxicology, 2020, 94, 3983-3991.	1.9	8
93	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
94	The plausible association of MTHFR and ADORA2A polymorphisms with nodules in rheumatoid arthritis patients treated with methotrexate. Pharmacogenetics and Genomics, 2017, 27, 43-50.	0.7	7
95	Interaction of soy isoflavones and their main metabolites with hOATP2B1 transporter. Naunyn-Schmiedeberg's Archives of Pharmacology, 2018, 391, 1063-1071.	1.4	7
96	Oligonucleotide Delivery across the Caco-2 Monolayer: The Design and Evaluation of Self-Emulsifying Drug Delivery Systems (SEDDS). Pharmaceutics, 2021, 13, 459.	2.0	7
97	Off-target lipid metabolism disruption by the mouse constitutive androstane receptor ligand TCPOBOP in humanized mice. Biochemical Pharmacology, 2022, 197, 114905.	2.0	7
98	Stereoselective pharmacokinetics and metabolism of flobufen in guinea pigs. Chirality, 2003, 15, 724-729.	1.3	6
99	Investigation of Orlistat effects on PXR activation and CYP3A4 expression in primary human hepatocytes and human intestinal LS174T cells. European Journal of Pharmaceutical Sciences, 2010, 41, 276-280.	1.9	6
100	Diazepam Promotes Translocation of Human Constitutive Androstane Receptor (CAR) via Direct Interaction with the Ligand-Binding Domain. Cells, 2020, 9, 2532.	1.8	6
101	The influence of coffee intake and genetics on adenosine pathway in rheumatoid arthritis. Pharmacogenomics, 2020, 21, 735-749.	0.6	6
102	(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. Frontiers in Pharmacology, 2021, 12, 713149.	1.6	6
103	Determination of rhodamine 123 by sequential injection technique for pharmacokinetic studies in the rat placenta. Talanta, 2002, 58, 1145-1149.	2.9	5
104	Effects of glucocorticoids on cytochrome P450 1A1 (CYP1A1) expression in isolated human placental trophoblast. Journal of Applied Biomedicine, 2013, 11, 163-172.	0.6	5
105	Fully automatic flow-based device for monitoring of drug permeation across a cell monolayer. Analytical and Bioanalytical Chemistry, 2016, 408, 971-981.	1.9	5
106	Effect of Endocannabinoid Oleamide on Rat and Human Liver Cytochrome P450 Enzymes in In Vitro and In Vivo Models. Drug Metabolism and Disposition, 2018, 46, 913-923.	1.7	5
107	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
108	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

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109	Valproate activates ERK signaling pathway in primary human hepatocytes. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2014, 158, 039-043.	0.2	5
110	Genetic polymorphisms in metabolic pathways of leflunomide in the treatment of rheumatoid arthritis. Clinical and Experimental Rheumatology, 2015, 33, 426-32.	0.4	5
111	Multidrug Resistance-Associated Protein 2 Deficiency Aggravates Estrogen-Induced Impairment of Bile Acid Metabolomics in Rats. Frontiers in Physiology, 2022, 13, 859294.	1.3	5
112	Construction and characterization of hepatocyte nuclear factor HNF4alpha1 over-expressing cell line derived from human hepatoma HepG2 cells. European Journal of Pharmacology, 2011, 669, 45-50.	1.7	4
113	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
114	Ursodeoxycholyl lysophosphatidylethanolamide negatively regulates TLR-mediated lipopolysaccharide response in human THP-1-derived macrophages. European Journal of Pharmacology, 2018, 825, 63-74.	1.7	3
115	Role of dihydromyricetin in cytochrome P450-mediated metabolism and carcinogen activation. Neuroendocrinology Letters, 2015, 36 Suppl 1, 46-52.	0.2	3
116	Comment on â€œThe role of redox-sensitive transcription factors NF-kB and AP-1 in the modulation of the Cyp1A1 gene by mercury, lead, and copperâ€• Free Radical Biology and Medicine, 2008, 45, 939.	1.3	2
117	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
118	UNIDIRECTIONAL TRANSFER OF D-XYLOSE ACROSS THE RAT PLACENTA. Clinical and Experimental Pharmacology and Physiology, 1998, 25, 54-56.	0.9	1
119	Adherence to osteoporosis guideline: survey among Czech general practitioners. Open Medicine (Poland), 2014, 9, 687-693.	0.6	1
120	Methotrexate impact on radiographic progression in biologic-treated rheumatoid arthritis under clinical remission: A case report on monozygotic Caucasian twins. International Journal of Immunopathology and Pharmacology, 2016, 29, 790-795.	1.0	1
121	Modulation of xenobiotic conjugation enzymes by dihydromyricetin in rats. Monatshefte FÃ¼r Chemie, 2017, 148, 2003-2009.	0.9	1
122	3D printed permeation module to monitor interaction of cell membrane transporters with exogenic compounds in real-time. Analytica Chimica Acta, 2021, 1153, 338296.	2.6	1
123	Expression dynamics of pregnane X receptor-controlled genes in 3D primary human hepatocyte spheroids. Archives of Toxicology, 2021, , 1.	1.9	1
124	Construction and characterization of peroxisome proliferator-activated receptor-gamma co-activator 1 alpha (PGC-1Î± over-expressing cell line derived from human hepatocyte carcinoma HepG2) Tj ETQq0 0 0 rgBT /Overlock 1 Czechoslovakia, 2013, 157, 214-221.	0.2	1
125	Higher Risk of Cardiovascular Diseases in Rheumatoid Arthritis Patients Without Methotrexate Treatment. Frontiers in Pharmacology, 2021, 12, 703279.	1.6	1
126	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

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127	Real-time monitoring of Metridia luciferase release from cells upon interaction with model toxic substances by a fully automatic flow setup â€“ A proof of concept. Talanta, 2022, 245, 123465.	2.9	1
128	AHR and ARNT expression in the human and rat placentas and their transcription activity in human trophoblast cultures in transactivation AHR battery genes. Toxicology Letters, 2011, 205, S300.	0.4	0
129	THU0144â€…The Influence of the Methylenetetrahydrofolate Reductase (MTHFR) Polymorphism on Methotrexate Treatment Outcome in Patients with Rheumatoid Arthritis in the EAST Bohemian Region. Annals of the Rheumatic Diseases, 2014, 73, 228.3-229.	0.5	0
130	AB0511â€…Discontinuation of Methotrexate Treatment in Patients with Rheumatoid Arthritis and Relatiomships with Candidate Single Nucleotide Polymorphisms. Annals of the Rheumatic Diseases, 2015, 74, 1070.1-1070.	0.5	0
131	Are haplotypes in a single methotrexate pathway more predictive for response in rheumatoid arthritis than in different pathways?. Pharmacogenomics, 2018, 19, 379-381.	0.6	0
132	3D Spheroids of Primary Human Hepatocytes: An In Vitro Model That Will Make Pharmacotherapy Safer?. Clinical Pharmacology and Therapeutics, 2021, 109, 1186-1188.	2.3	0