

Radim Vrzal

List of Publications by Year in descending order

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49
papers

1,191
citations

394421

19
h-index

395702

33
g-index

50
all docs

50
docs citations

50
times ranked

1630
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2007, 35, 1032-1041.	3.3	195
2	Gut Microbial Catabolites of Tryptophan Are Ligands and Agonists of the Aryl Hydrocarbon Receptor: A Detailed Characterization. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2614.	4.1	78
3	Activation of the aryl hydrocarbon receptor by berberine in HepG2 and H4IIE cells: Biphasic effect on CYP1A1. <i>Biochemical Pharmacology</i> , 2005, 70, 925-936.	4.4	71
4	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> , 2008, 75, 580-588.	4.4	69
5	Dexamethasone controls aryl hydrocarbon receptor (AhR)-mediated CYP1A1 and CYP1A2 expression and activity in primary cultures of human hepatocytes. <i>Chemico-Biological Interactions</i> , 2009, 179, 288-296.	4.0	67
6	Differential effects of selected natural compounds with anti-inflammatory activity on the glucocorticoid receptor and NF- κ B in HeLa cells. <i>Chemico-Biological Interactions</i> , 2006, 159, 117-128.	4.0	58
7	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> , 2008, 593, 16-23.	3.5	55
8	Azole Antimycotics Differentially Affect Rifampicin-Induced Pregnane X Receptor-Mediated CYP3A4 Gene Expression. <i>Drug Metabolism and Disposition</i> , 2008, 36, 339-348.	3.3	54
9	Fine tuning of vitamin D receptor (VDR) activity by post-transcriptional and post-translational modifications. <i>Oncotarget</i> , 2017, 8, 35390-35402.	1.8	46
10	Indole microbial intestinal metabolites expand the repertoire of ligands and agonists of the human pregnane X receptor. <i>Toxicology Letters</i> , 2020, 334, 87-93.	0.8	42
11	Evaluation of in vitro cytotoxicity and hepatotoxicity of platinum(II) and palladium(II) oxalato complexes with adenine derivatives as carrier ligands. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 1130-1132.	3.5	39
12	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> , 2011, 200, 146-153.	0.8	39
13	Methylindoles and Methoxyindoles are Agonists and Antagonists of Human Aryl Hydrocarbon Receptor. <i>Molecular Pharmacology</i> , 2018, 93, 631-644.	2.3	35
14	Microtubules-interfering agents restrict aryl hydrocarbon receptor-mediated CYP1A2 induction in primary cultures of human hepatocytes via c-jun-N-terminal kinase and glucocorticoid receptor. <i>European Journal of Pharmacology</i> , 2008, 581, 244-254.	3.5	30
15	Khellin and Visnagin Differentially Modulate AHR Signaling and Downstream CYP1A Activity in Human Liver Cells. <i>PLoS ONE</i> , 2013, 8, e74917.	2.5	29
16	Environmental pollutants parathion, paraquat and bisphenol A show distinct effects towards nuclear receptors-mediated induction of xenobiotics-metabolizing cytochromes P450 in human hepatocytes. <i>Toxicology Letters</i> , 2015, 238, 43-53.	0.8	28
17	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> , 2010, 193, 183-188.	0.8	21
18	The role of residues T248, Y249 and T422 in the function of human pregnane X receptor. <i>Archives of Toxicology</i> , 2013, 87, 291-301.	4.2	21

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19	A food contaminant ochratoxin A suppresses pregnane X receptor (PXR)-mediated CYP3A4 induction in primary cultures of human hepatocytes. <i>Toxicology</i> , 2015, 337, 72-78.	4.2	20
20	Profiling of bisphenol S towards nuclear receptors activities in human reporter cell lines. <i>Toxicology Letters</i> , 2017, 281, 10-19.	0.8	19
21	Dexamethasone accelerates degradation of aryl hydrocarbon receptor (AHR) and suppresses CYP1A1 induction in placental JEG-3 cell line. <i>Toxicology Letters</i> , 2013, 223, 183-191.	0.8	17
22	Involvement of Cytoskeleton in AhR-Dependent CYP1A1 Expression. <i>Current Drug Metabolism</i> , 2006, 7, 301-313.	1.2	15
23	Interleukin-23 Represses the Level of Cell Senescence Induced by the Androgen Receptor Antagonists Enzalutamide and Darolutamide in Castration-Resistant Prostate Cancer Cells. <i>Hormones and Cancer</i> , 2020, 11, 182-190.	4.9	14
24	Effects of Oral Anorexiant Sibutramine on the Expression of Cytochromes P450s in Human Hepatocytes and Cancer Cell Lines. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013, 27, 515-521.	3.0	11
25	The effects of drugs with immunosuppressive or immunomodulatory activities on xenobiotics-metabolizing enzymes expression in primary human hepatocytes. <i>Toxicology in Vitro</i> , 2015, 29, 1088-1099.	2.4	10
26	Aromatic hydrocarbon receptor status in the metabolism of xenobiotics under normal and pathophysiological conditions. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2004, 148, 3-10.	0.6	10
27	Different regulation of aryl hydrocarbon receptor-regulated genes in response to dioxin in undifferentiated and neuronally differentiated human neuroblastoma SH-SY5Y cells. <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 689-697.	2.7	9
28	Glucocorticoid Receptor Functions in HeLa Cells Are Perturbed by 2,3,8,9-tetrachlorodibenzo-p-dioxin (TCDD). <i>Drug Metabolism Letters</i> , 2007, 1, 311-314.	0.8	8
29	Berberine reduces insulin resistance: the roles for glucocorticoid receptor and aryl hydrocarbon receptor. <i>Fertility and Sterility</i> , 2011, 95, e7.	1.0	8
30	Targeting the Aryl Hydrocarbon Receptor with Microbial Metabolite Mimics Alleviates Experimental Colitis in Mice. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6859-6868.	6.4	8
31	The effect of graphene oxide on signalling of xenobiotic receptors involved in biotransformation. <i>Chemosphere</i> , 2020, 253, 126753.	8.2	7
32	A nonradioactive electrophoretic mobility shift assay for measurement of pregnane X receptor binding activity to CYP3A4 response element. <i>Electrophoresis</i> , 2013, 34, 1863-1668.	2.4	6
33	Differential effects of the enantiomers of tamsulosin and tolterodine on P-glycoprotein and cytochrome P450 3A4. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 49-59.	3.0	6
34	Antimigraine Drug Avitriptan Is a Ligand and Agonist of Human Aryl Hydrocarbon Receptor that Induces CYP1A1 in Hepatic and Intestinal Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2799.	4.1	6
35	Anthocyanidins but not anthocyanins inhibit P-glycoprotein-mediated calcein extrusion – possible implication for orally administered drugs. <i>Fundamental and Clinical Pharmacology</i> , 2016, 30, 248-252.	1.9	5
36	Valproate activates ERK signaling pathway in primary human hepatocytes. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2014, 158, 039-043.	0.6	5

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37	The effect of anthocyanins on the expression of selected phase II xenobiotic-metabolizing enzymes in primary cultures of human hepatocytes. <i>Food and Function</i> , 2014, 5, 2145.	4.6	4
38	The comparative effects of diethyldithiocarbamate-copper complex with established proteasome inhibitors on expression levels of CYP1A2/3A4 and their master regulators, aryl hydrocarbon and pregnane X receptor in primary cultures of human hepatocytes. <i>Fundamental and Clinical Pharmacology</i> , 2016, 30, 585-595.	1.9	4
39	Activated thyroid hormone receptor modulates dioxin-inducible aryl hydrocarbon receptor-mediated CYP1A1 induction in human hepatocytes but not in human hepatocarcinoma HepG2 cells. <i>Toxicology Letters</i> , 2017, 275, 77-82.	0.8	4
40	The Effect of Caffeine on Calcitriol-Inducible Vitamin D Receptor-Controlled Gene Expression in Intestinal and Osteoblastic Cells. <i>Calcified Tissue International</i> , 2019, 105, 651-659.	3.1	4
41	Genetic and Enzymatic Characteristics of CYP2A13 in Relation to Lung Damage. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12306.	4.1	4
42	Transplant drugs affect the expression of phase II and antioxidant enzymes in human carcinoma cells HepG2 but not in primary cultures of human hepatocytes: In vitro comparative study. <i>Pharmacological Reports</i> , 2016, 68, 1008-1014.	3.3	3
43	The impact of graphene oxide on androgen receptor signalling in prostate cancer cells. <i>Chemosphere</i> , 2021, 269, 128759.	8.2	3
44	Opposite effects of two zinc(II) dithiocarbamates on NF- κ B pathway. <i>Nature Precedings</i> , 2007, , .	0.1	1
45	In vitro modulatory effects of functionalized pyrimidines and piperidine derivatives on Aryl hydrocarbon receptor (AhR) and glucocorticoid receptor (GR) activities. <i>Bioorganic Chemistry</i> , 2017, 71, 285-293.	4.1	1
46	Mycophenolate Mofetil induces c-Jun-N-terminal kinase expression in 22Rv1 cells: an impact on androgen receptor signaling. <i>Journal of Cancer</i> , 2018, 9, 1915-1924.	2.5	1
47	Gene Expression Profiling of 1 α ,25(OH) ₂ D ₃ 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> , 2022, , 2200070.	3.3	1
48	Comparative Effects of Microtubules Disruption on Glucocorticoid Receptor Functions in Proliferating and Quiescent Cells. <i>International Journal of Toxicology</i> , 2010, 29, 326-335.	1.2	0
49	Aryl Hydrocarbon Receptor (AhR)-Mediated Signaling in iPSC-Derived Human Motor Neurons. <i>Pharmaceuticals</i> , 2022, 15, 828.	3.8	0