

Radim Vrzal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46 papers	918 citations	17 h-index	29 g-index
50 ext. papers	1,057 ext. citations	4.3 avg, IF	4.03 L-index

#	Paper	IF	Citations
46	Gene expression profiling of 1[25(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> , 2022 , e2200070	5.9	0
45	Genetic and Enzymatic Characteristics of CYP2A13 in Relation to Lung Damage. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
44	The impact of graphene oxide on androgen receptor signalling in prostate cancer cells. <i>Chemosphere</i> , 2021 , 269, 128759	8.4	1
43	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	5	8
42	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,	6.3	25
41	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,	6.3	3
40	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	4.4	13
39	The effect of graphene oxide on signalling of xenobiotic receptors involved in biotransformation. <i>Chemosphere</i> , 2020 , 253, 126753	8.4	3
38	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	3.9	4
37	Methylindoles and Methoxyindoles are Agonists and Antagonists of Human Aryl Hydrocarbon Receptor. <i>Molecular Pharmacology</i> , 2018 , 93, 631-644	4.3	18
36	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	4.5	1
35	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	5.1	
34	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	4.4	3
33	Fine tuning of vitamin D receptor (VDR) activity by post-transcriptional and post-translational modifications. <i>Oncotarget</i> , 2017 , 8, 35390-35402	3.3	21
32	Profiling of bisphenol S towards nuclear receptors activities in human reporter cell lines. <i>Toxicology Letters</i> , 2017 , 281, 10-19	4.4	17
31	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	3.4	6
30	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	3.1	4

29	Anthocyanidins but not anthocyanins inhibit P-glycoprotein-mediated calcein extrusion - possible implication for orally administered drugs. <i>Fundamental and Clinical Pharmacology</i> , 2016 , 30, 248-52	3.1	4
28	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, 1008-14	3.9	3
27	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	4.4	18
26	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, 689-97	3.6	5
25	A food contaminant ochratoxin A suppresses pregnane X receptor (PXR)-mediated CYP3A4 induction in primary cultures of human hepatocytes. <i>Toxicology</i> , 2015 , 337, 72-8	4.4	17
24	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, 1088-99	3.6	10
23	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, 2145-51	6.1	4
22	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, 39-43	1.7	2
21	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, 515-21	3.4	11
20	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	5.8	17
19	Dexamethasone accelerates degradation of aryl hydrocarbon receptor (AHR) and suppresses CYP1A1 induction in placental JEG-3 cell line. <i>Toxicology Letters</i> , 2013 , 223, 183-91	4.4	16
18	A nonradioactive electrophoretic mobility shift assay for measurement of pregnane X receptor binding activity to CYP3A4 response element. <i>Electrophoresis</i> , 2013 , 34, 1863-8	3.6	6
17	Khellin and visnagin differentially modulate AHR signaling and downstream CYP1A activity in human liver cells. <i>PLoS ONE</i> , 2013 , 8, e74917	3.7	22
16	Berberine reduces insulin resistance: the roles for glucocorticoid receptor and aryl hydrocarbon receptor. <i>Fertility and Sterility</i> , 2011 , 95, e7; author reply e8-9	4.8	7
15	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, 146-53	4.4	34
14	Comparative effects of microtubules disruption on glucocorticoid receptor functions in proliferating and quiescent cells. <i>International Journal of Toxicology</i> , 2010 , 29, 326-35	2.4	
13	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, 183-8	4.4	19
12	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, 1130-2	4.2	37

11	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, 288-96	5	62
10	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, 580-8	6	60
9	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, 244-54	5.3	27
8	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	5.3	51
7	Azole antimycotics differentially affect rifampicin-induced pregnane X receptor-mediated CYP3A4 gene expression. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 339-48	4	51
6	Glucocorticoid receptor functions in HeLa Cells are perturbed by 2,3,8,9-tetrachlorodibenzo-p-dioxin (TCDD). <i>Drug Metabolism Letters</i> , 2007 , 1, 311-4	2.1	6
5	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, 1032-41	4	163
4	Differential effects of selected natural compounds with anti-inflammatory activity on the glucocorticoid receptor and NF-kappaB in HeLa cells. <i>Chemico-Biological Interactions</i> , 2006 , 159, 117-28	5	50
3	Involvement of cytoskeleton in AhR-dependent CYP1A1 expression. <i>Current Drug Metabolism</i> , 2006 , 7, 301-13	3.5	14
2	Activation of the aryl hydrocarbon receptor by berberine in HepG2 and H4IIE cells: Biphasic effect on CYP1A1. <i>Biochemical Pharmacology</i> , 2005 , 70, 925-36	6	64
1	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	1.7	9