

List of Publications by Citations

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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.

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|-------------------|-------------------------|----------------|-----------------|
| 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 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | Methylindoles and Methoxyindoles are Agonists and Antagonists of Human Aryl Hydrocarbon Receptor. <i>Molecular Pharmacology</i> , 2018 , 93, 631-644 | 4.3 | 18 |
| 30 | 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 |

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|----|---|-----|----|
| 29 | 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 |
| 28 | Profiling of bisphenol S towards nuclear receptors activities in human reporter cell lines. <i>Toxicology Letters</i> , 2017 , 281, 10-19 | 4.4 | 17 |
| 27 | 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 |
| 26 | Involvement of cytoskeleton in AhR-dependent CYP1A1 expression. <i>Current Drug Metabolism</i> , 2006 , 7, 301-13 | 3.5 | 14 |
| 25 | 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 |
| 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, 515-21 | 3.4 | 11 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 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 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |

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| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | The effect of graphene oxide on signalling of xenobiotic receptors involved in biotransformation. <i>Chemosphere</i> , 2020 , 253, 126753 | 8.4 | 3 |
| 7 | Valproate activates ERK signaling pathway in primary human hepatocytes. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2014 , 158, 39-43 | 1.7 | 2 |
| 6 | 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 |
| 5 | Genetic and Enzymatic Characteristics of CYP2A13 in Relation to Lung Damage. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 1 |
| 4 | The impact of graphene oxide on androgen receptor signalling in prostate cancer cells. <i>Chemosphere</i> , 2021 , 269, 128759 | 8.4 | 1 |
| 3 | Gene expression profiling of 1 β 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 |
| 2 | 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 | |
| 1 | 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 | |