

## 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.

89 papers	4,429 citations	40 h-index	65 g-index
93 ext. papers	4,928 ext. citations	4.6 avg, IF	5.13 L-index

#	Paper	IF	Citations
89	Protective effect of quercetin on high-fat diet-induced non-alcoholic fatty liver disease in mice is mediated by modulating intestinal microbiota imbalance and related gut-liver axis activation. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 102, 188-202	7.8	239
88	Hepatogenic differentiation of human mesenchymal stem cells from adipose tissue in comparison with bone marrow mesenchymal stem cells. <i>World Journal of Gastroenterology</i> , <b>2006</b> , 12, 5834-45	5.6	208
87	Human hepatocytes in primary culture: the choice to investigate drug metabolism in man. <i>Current Drug Metabolism</i> , <b>2004</b> , 5, 443-62	3.5	202
86	Human hepatocytes as a tool for studying toxicity and drug metabolism. <i>Current Drug Metabolism</i> , <b>2003</b> , 4, 292-312	3.5	187
85	Inhibition of VEGF expression through blockade of Hif1 $\alpha$ and STAT3 signalling mediates the anti-angiogenic effect of melatonin in HepG2 liver cancer cells. <i>British Journal of Cancer</i> , <b>2013</b> , 109, 83-91	8.7	165
84	Cytochrome P450 regulation by hepatocyte nuclear factor 4 in human hepatocytes: a study using adenovirus-mediated antisense targeting. <i>Hepatology</i> , <b>2001</b> , 33, 668-75	11.2	158
83	Down-regulation of human CYP3A4 by the inflammatory signal interleukin-6: molecular mechanism and transcription factors involved. <i>FASEB Journal</i> , <b>2002</b> , 16, 1799-801	0.9	158
82	Hepatocyte cell lines: their use, scope and limitations in drug metabolism studies. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2006</b> , 2, 183-212	5.5	153
81	Hepatic cytochrome P450 down-regulation during aseptic inflammation in the mouse is interleukin 6 dependent. <i>Hepatology</i> , <b>2000</b> , 32, 49-55	11.2	140
80	Diclofenac induces apoptosis in hepatocytes by alteration of mitochondrial function and generation of ROS. <i>Biochemical Pharmacology</i> , <b>2003</b> , 66, 2155-67	6	132
79	Transcriptional regulation and expression of CYP3A4 in hepatocytes. <i>Current Drug Metabolism</i> , <b>2007</b> , 8, 185-94	3.5	106
78	Long-term expression of differentiated functions in hepatocytes cultured in three-dimensional collagen matrix. <i>Journal of Cellular Physiology</i> , <b>1998</b> , 177, 553-62	7	105
77	Cytotoxicity Evaluation of the First Ten MEIC Chemicals: Acute Lethal Toxicity in Man Predicted by Cytotoxicity in Five Cellular Assays and by Oral LD50 Tests in Rodents. <i>ATLA Alternatives To Laboratory Animals</i> , <b>1989</b> , 17, 83-100	2.1	99
76	Re-expression of C/EBP alpha induces CYP2B6, CYP2C9 and CYP2D6 genes in HepG2 cells. <i>FEBS Letters</i> , <b>1998</b> , 431, 227-30	3.8	98
75	Transcriptional regulation of human CYP3A4 basal expression by CCAAT enhancer-binding protein alpha and hepatocyte nuclear factor-3 gamma. <i>Molecular Pharmacology</i> , <b>2003</b> , 63, 1180-9	4.3	89
74	Quantitative RT-PCR measurement of human cytochrome P-450s: application to drug induction studies. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 376, 109-16	4.1	89
73	Human mesenchymal stem cells from adipose tissue: Differentiation into hepatic lineage. <i>Toxicology in Vitro</i> , <b>2007</b> , 21, 324-9	3.6	82

72	Quercetin ameliorates dysregulation of lipid metabolism genes via the PI3K/AKT pathway in a diet-induced mouse model of nonalcoholic fatty liver disease. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 879-93	5.9	80
71	Sensitive markers used to identify compounds that trigger apoptosis in cultured hepatocytes. <i>Toxicological Sciences</i> , <b>2002</b> , 65, 299-308	4.4	76
70	Evaluation of the cytotoxicity of ten chemicals on human cultured hepatocytes: Predictability of human toxicity and comparison with rodent cell culture systems. <i>Toxicology in Vitro</i> , <b>1992</b> , 6, 47-52	3.6	69
69	Transcriptional regulation of cytochrome p450 genes by the nuclear receptor hepatocyte nuclear factor 4-alpha. <i>Current Drug Metabolism</i> , <b>2009</b> , 10, 508-19	3.5	68
68	Enhanced steatosis by nuclear receptor ligands: a study in cultured human hepatocytes and hepatoma cells with a characterized nuclear receptor expression profile. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 184, 376-87	5	65
67	The human liver fatty acid binding protein (FABP1) gene is activated by FOXA1 and PPAR $\alpha$ and repressed by C/EBP $\beta$ Implications in FABP1 down-regulation in nonalcoholic fatty liver disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2013</b> , 1831, 803-18	5	60
66	Transcriptional activation of CYP2C9, CYP1A1, and CYP1A2 by hepatocyte nuclear factor 4alpha requires coactivators peroxisomal proliferator activated receptor-gamma coactivator 1alpha and steroid receptor coactivator 1. <i>Molecular Pharmacology</i> , <b>2006</b> , 70, 1681-92	4.3	59
65	Expression and induction of a large set of drug-metabolizing enzymes by the highly differentiated human hepatoma cell line BC2. <i>FEBS Journal</i> , <b>2001</b> , 268, 1448-59		57
64	Hepatic cell lines for drug hepatotoxicity testing: limitations and strategies to upgrade their metabolic competence by gene engineering. <i>Current Drug Metabolism</i> , <b>2013</b> , 14, 946-68	3.5	55
63	Transcriptional regulation of the human hepatic CYP3A4: identification of a new distal enhancer region responsive to CCAAT/enhancer-binding protein beta isoforms (liver activating protein and liver inhibitory protein). <i>Molecular Pharmacology</i> , <b>2005</b> , 67, 2088-101	4.3	55
62	Foxa1 reduces lipid accumulation in human hepatocytes and is down-regulated in nonalcoholic fatty liver. <i>PLoS ONE</i> , <b>2012</b> , 7, e30014	3.7	52
61	Diclofenac induces apoptosis in hepatocytes. <i>Toxicology in Vitro</i> , <b>2003</b> , 17, 675-80	3.6	51
60	Underexpressed coactivators PGC1alpha and SRC1 impair hepatocyte nuclear factor 4 alpha function and promote dedifferentiation in human hepatoma cells. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 29840-9	5.4	48
59	Role of hepatocyte nuclear factor 3 gamma in the expression of human CYP2C genes. <i>Archives of Biochemistry and Biophysics</i> , <b>2004</b> , 426, 63-72	4.1	48
58	Hepatocyte vitamin D receptor regulates lipid metabolism and mediates experimental diet-induced steatosis. <i>Journal of Hepatology</i> , <b>2016</b> , 65, 748-757	13.4	47
57	ATF5 is a highly abundant liver-enriched transcription factor that cooperates with constitutive androstane receptor in the transactivation of CYP2B6: implications in hepatic stress responses. <i>Drug Metabolism and Disposition</i> , <b>2008</b> , 36, 1063-72	4	45
56	Limited heme synthesis in porphobilinogen deaminase-deficient mice impairs transcriptional activation of specific cytochrome P450 genes by phenobarbital. <i>FEBS Journal</i> , <b>2000</b> , 267, 7128-37		44
55	Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1800930	5.9	41

54	Non-invasive prediction of NAFLD severity: a comprehensive, independent validation of previously postulated serum microRNA biomarkers. <i>Scientific Reports</i> , <b>2018</b> , 8, 10606	4.9	4 <sup>1</sup>
53	Measurement of intracellular LDH activity in 96-well cultures: A rapid and automated assay for cytotoxicity studies. <i>Cytotechnology</i> , <b>1991</b> , 13, 21-24		4 <sup>1</sup>
52	Advantageous use of HepaRG cells for the screening and mechanistic study of drug-induced steatosis. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 302, 1-9	4.6	4 <sup>0</sup>
51	Modulation of PI3K-LXR-dependent lipogenesis mediated by oxidative/nitrosative stress contributes to inhibition of HCV replication by quercetin. <i>Laboratory Investigation</i> , <b>2014</b> , 94, 262-74	5.9	4 <sup>0</sup>
50	Acquired resistance to the anticancer drug paclitaxel is associated with induction of cytochrome P450 2C8. <i>Pharmacogenomics</i> , <b>2006</b> , 7, 575-85	2.6	4 <sup>0</sup>
49	Intracellular glutathione in human hepatocytes incubated with S-adenosyl-L-methionine and GSH-depleting drugs. <i>Toxicology</i> , <b>1991</b> , 70, 293-302	4.4	4 <sup>0</sup>
48	Sequential hepatogenic transdifferentiation of adipose tissue-derived stem cells: relevance of different extracellular signaling molecules, transcription factors involved, and expression of new key marker genes. <i>Cell Transplantation</i> , <b>2009</b> , 18, 1319-40	4	39
47	Semi-automatic quantitative RT-PCR to measure CYP induction by drugs in human hepatocytes. <i>Toxicology in Vitro</i> , <b>2003</b> , 17, 643-9	3.6	38
46	Human Upcyte Hepatocytes: Characterization of the Hepatic Phenotype and Evaluation for Acute and Long-Term Hepatotoxicity Routine Testing. <i>Toxicological Sciences</i> , <b>2016</b> , 152, 214-29	4.4	37
45	Evaluation of the cytotoxicity of 10 chemicals in human and rat hepatocytes and in cell lines: Correlation between in vitro data and human lethal concentration. <i>Toxicology in Vitro</i> , <b>1995</b> , 9, 959-66	3.6	35
44	Molecular mechanism of diclofenac hepatotoxicity: Association of cell injury with oxidative metabolism and decrease in ATP levels. <i>Toxicology in Vitro</i> , <b>1995</b> , 9, 439-44	3.6	34
43	Increased toxicity of cocaine on human hepatocytes induced by ethanol: role of GSH. <i>Biochemical Pharmacology</i> , <b>1999</b> , 58, 1579-85	6	32
42	Role of glutathione in the induction of apoptosis and c-fos and c-jun mRNAs by oxidative stress in tumor cells. <i>Cancer Letters</i> , <b>2004</b> , 208, 103-13	9.9	31
41	Induction of 5-aminolevulinate synthase by drugs is independent of increased apocytochrome P450 synthesis. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 226, 152-7	3.4	3 <sup>0</sup>
40	New microRNA Biomarkers for Drug-Induced Steatosis and Their Potential to Predict the Contribution of Drugs to Non-alcoholic Fatty Liver Disease. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 3	5.6	27
39	CCAAT/enhancer-binding protein alpha (C/EBPalpha) and hepatocyte nuclear factor 4alpha (HNF4alpha) synergistically cooperate with constitutive androstane receptor to transactivate the human cytochrome P450 2B6 (CYP2B6) gene: application to the development of a metabolically competent human hepatic cell model. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 28457-71	5.4	27
38	Cytochrome p450 and steatosis. <i>Current Drug Metabolism</i> , <b>2009</b> , 10, 692-9	3.5	27
37	Potentiation of cocaine hepatotoxicity by ethanol in human hepatocytes. <i>Toxicology and Applied Pharmacology</i> , <b>1991</b> , 107, 526-34	4.6	27

36	Acute cytotoxicity of ten chemicals in human and rat cultured hepatocytes and in cell lines: Correlation between in vitro data and human lethal concentrations. <i>Toxicology in Vitro</i> , <b>1994</b> , 8, 47-54	3.6	26
35	A simple transcriptomic signature able to predict drug-induced hepatic steatosis. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 967-82	5.8	25
34	Cocaine hepatotoxicity: two different toxicity mechanisms for phenobarbital-induced and non-induced rat hepatocytes. <i>Biochemical Pharmacology</i> , <b>1993</b> , 46, 1967-74	6	25
33	A Network Involving Gut Microbiota, Circulating Bile Acids, and Hepatic Metabolism Genes That Protects Against Non-Alcoholic Fatty Liver Disease. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1900487	5.9	21
32	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
31	Transcription factors involved in the expression of SLC28 genes in human liver parenchymal cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 353, 381-8	3.4	20
30	In vitro reprogramming of pancreatic alpha cells towards a beta cell phenotype following ectopic HNF4 $\alpha$ expression. <i>Molecular and Cellular Endocrinology</i> , <b>2015</b> , 399, 50-9	4.4	19
29	Potential of heroin and methadone hepatotoxicity by ethanol: an in vitro study using cultured human hepatocytes. <i>Xenobiotica</i> , <b>1992</b> , 22, 471-8	2	19
28	Repression of the nuclear receptor small heterodimer partner by steatotic drugs and in advanced nonalcoholic fatty liver disease. <i>Molecular Pharmacology</i> , <b>2015</b> , 87, 582-94	4.3	18
27	Angiopoietin-Like Protein 8 Is a Novel Vitamin D Receptor Target Gene Involved in Nonalcoholic Fatty Liver Pathogenesis. <i>American Journal of Pathology</i> , <b>2018</b> , 188, 2800-2810	5.8	17
26	Preliminary results from the Scandinavian multicentre evaluation of in vitro cytotoxicity (MEIC). <i>Toxicology in Vitro</i> , <b>1990</b> , 4, 688-91	3.6	16
25	Hnf4 $\alpha$ is a key gene that can generate columnar metaplasia in oesophageal epithelium. <i>Differentiation</i> , <b>2017</b> , 93, 39-49	3.5	14
24	The histone deacetylase sirtuin2 is a new player in the regulation of platelet function. <i>Journal of Thrombosis and Haemostasis</i> , <b>2015</b> , 13, 1335-44	15.4	12
23	In Vitro Toxicity to Two Cellular Systems of the First Ten Chemicals on the MEIC List. <i>ATLA Alternatives To Laboratory Animals</i> , <b>1990</b> , 17, 218-223	2.1	11
22	Epistane, an anabolic steroid used for recreational purposes, causes cholestasis with elevated levels of cholic acid conjugates, by upregulating bile acid synthesis (CYP8B1) and cross-talking with nuclear receptors in human hepatocytes. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 589-607	5.8	10
21	Safer chemicals using less animals: kick-off of the European ONTOX project. <i>Toxicology</i> , <b>2021</b> , 458, 1528461	4.6	10
20	Advances in drug-induced cholestasis: Clinical perspectives, potential mechanisms and in vitro systems. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 120, 196-212	4.7	9
19	Predicting drug-induced cholestasis: preclinical models. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2018</b> , 14, 721-738	5.5	9

18	Multivariate Validation of Cell Toxicity Data: The First Ten MEIC Chemicals. <i>ATLA Alternatives To Laboratory Animals</i> , <b>1990</b> , 17, 237-239	2.1	9
17	Species-specific mechanisms for cholesterol 7alpha-hydroxylase (CYP7A1) regulation by drugs and bile acids. <i>Archives of Biochemistry and Biophysics</i> , <b>2005</b> , 434, 75-85	4.1	8
16	S-Adenosyl-L-Methionine Prevents Intracellular Glutathione Depletion by GSH-Depleting Drugs in Rat and Human Hepatocytes. <i>Drug Investigation</i> , <b>1992</b> , 4, 46-53		8
15	Potential of cocaine hepatotoxicity in human hepatocytes by ethanol. <i>Toxicology in Vitro</i> , <b>1992</b> , 6, 155-8	3.6	7
14	The Vitamin D Receptor Regulates Glycerolipid and Phospholipid Metabolism in Human Hepatocytes. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	6
13	The effects of buprenorphine on the metabolism of human hepatocytes. <i>Toxicology in Vitro</i> , <b>1991</b> , 5, 219-24	3.6	6
12	The Synbiotic Combination of and Quercetin Ameliorates Early Obesity and NAFLD through Gut Microbiota Reshaping and Bile Acid Metabolism Modulation.. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	6
11	Both cholestatic and steatotic drugs trigger extensive alterations in the mRNA level of biliary transporters in rat hepatocytes: Application to develop new predictive biomarkers for early drug development. <i>Toxicology Letters</i> , <b>2016</b> , 263, 58-67	4.4	5
10	A Novel MicroRNA Signature for Cholestatic Drugs in Human Hepatocytes and Its Translation into Novel Circulating Biomarkers for Drug-Induced Liver Injury Patients. <i>Toxicological Sciences</i> , <b>2020</b> , 173, 229-243	4.4	3
9	Can hepatoma cell lines be redifferentiated to be used in drug metabolism studies?. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2004</b> , 32 Suppl 1A, 65-74	2.1	3
8	Molecular mechanisms of hepatotoxic cholestasis by clavulanic acid: Role of NRF2 and FXR pathways. <i>Food and Chemical Toxicology</i> , <b>2021</b> , 158, 112664	4.7	3
7	Role of K <sup>+</sup> and Ca <sup>2+</sup> fluxes in the cerebroarterial vasoactive effects of sildenafil. <i>European Journal of Pharmacology</i> , <b>2008</b> , 581, 138-47	5.3	2
6	Expression of liver specific-genes in hepatocytes cultured in collagen gel matrix. <i>Progress in Molecular and Subcellular Biology</i> , <b>2000</b> , 25, 89-104	3	2
5	Toward Rapid Screening of Liver Grafts at the Operating Room Using Mid-infrared Spectroscopy. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 14542-14549	7.8	2
4	Transfection of Primary Hepatocytes with Liver-Enriched Transcription Factors Using Adenoviral Vectors. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1250, 213-21	1.4	1
3	Methionine Cycle Rewiring by Targeting miR-873-5p Modulates Ammonia Metabolism to Protect the Liver from Acetaminophen. <i>Antioxidants</i> , <b>2022</b> , 11, 897	7.1	1
2	Hepatotoxicity of Opiates and Cocaine on Different Hepatic Cellular Systems. <i>ATLA Alternatives To Laboratory Animals</i> , <b>1990</b> , 17, 240-245	2.1	0
1	PTEN Deletion in Adult Mice Induces Hypoinsulinemia With Concomitant Low Glucose Levels.. <i>Frontiers in Endocrinology</i> , <b>2022</b> , 13, 850214	5.7	0

