

Jose V Castell

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.

256
papers

12,282
citations

57
h-index

99
g-index

271
ext. papers

13,424
ext. citations

4.4
avg, IF

5.96
L-index

#	Paper	IF	Citations
256	Derivation of healthy hepatocyte-like cells from a female patient with ornithine transcarbamylase deficiency through X-inactivation selection.. <i>Scientific Reports</i> , 2022 , 12, 2308	4.9	0
255	Methionine Cycle Rewiring by Targeting miR-873-5p Modulates Ammonia Metabolism to Protect the Liver from Acetaminophen. <i>Antioxidants</i> , 2022 , 11, 897	7.1	1
254	Molecular mechanisms of hepatotoxic cholestasis by clavulanic acid: Role of NRF2 and FXR pathways. <i>Food and Chemical Toxicology</i> , 2021 , 158, 112664	4.7	3
253	Factors that influence the quality of metabolomics data in in vitro cell toxicity studies: a systematic survey. <i>Scientific Reports</i> , 2021 , 11, 22119	4.9	0
252	Extracting consistent biological information from functional results of metabolomic pathway analysis using the Mantel's test. <i>Analytica Chimica Acta</i> , 2021 , 1187, 339173	6.6	0
251	The in vitro assessment of the toxicity of volatile, oxidisable, redox-cycling compounds: phenols as an example. <i>Archives of Toxicology</i> , 2021 , 95, 2109-2121	5.8	1
250	Metabolomic analysis to discriminate drug-induced liver injury (DILI) phenotypes. <i>Archives of Toxicology</i> , 2021 , 95, 3049-3062	5.8	2
249	Comparing in vitro human liver models to in vivo human liver using RNA-Seq. <i>Archives of Toxicology</i> , 2021 , 95, 573-589	5.8	12
248	A Model-Based Workflow to Benchmark the Clinical Cholestasis Risk of Drugs. <i>Clinical Pharmacology and Therapeutics</i> , 2021 , 110, 1293-1301	6.1	0
247	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> , 2020 , 173, 229-243	4.4	3
246	The Vitamin D Receptor Regulates Glycerolipid and Phospholipid Metabolism in Human Hepatocytes. <i>Biomolecules</i> , 2020 , 10,	5.9	6
245	Improved in vivo efficacy of clinical-grade cryopreserved human hepatocytes in mice with acute liver failure. <i>Cytotherapy</i> , 2020 , 22, 114-121	4.8	2
244	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> , 2020 , 94, 589-607	5.8	10
243	Toward Rapid Screening of Liver Grafts at the Operating Room Using Mid-infrared Spectroscopy. <i>Analytical Chemistry</i> , 2020 , 92, 14542-14549	7.8	2
242	Comparing Targeted vs. Untargeted MS Data-Dependent Acquisition for Peak Annotation in LC-MS Metabolomics. <i>Metabolites</i> , 2020 , 10,	5.6	13
241	A Physiology-Based Model of Human Bile Acid Metabolism for Predicting Bile Acid Tissue Levels After Drug Administration in Healthy Subjects and BRIC Type 2 Patients. <i>Frontiers in Physiology</i> , 2019 , 10, 1192	4.6	4
240	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> , 2019 , 63, e1900487	5.9	21

239	Monitoring of system conditioning after blank injections in untargeted UPLC-MS metabolomic analysis. <i>Scientific Reports</i> , 2019 , 9, 9822	4.9	17
238	Prediction of human drug-induced liver injury (DILI) in relation to oral doses and blood concentrations. <i>Archives of Toxicology</i> , 2019 , 93, 1609-1637	5.8	53
237	Direct conversion of human fibroblast to hepatocytes using a single inducible polycistronic vector. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 317	8.3	13
236	Long-term and mechanistic evaluation of drug-induced liver injury in Upcyte human hepatocytes. <i>Archives of Toxicology</i> , 2019 , 93, 519-532	5.8	14
235	Advances in drug-induced cholestasis: Clinical perspectives, potential mechanisms and in vitro systems. <i>Food and Chemical Toxicology</i> , 2018 , 120, 196-212	4.7	9
234	Non-invasive prediction of NAFLD severity: a comprehensive, independent validation of previously postulated serum microRNA biomarkers. <i>Scientific Reports</i> , 2018 , 8, 10606	4.9	41
233	Predicting drug-induced cholestasis: preclinical models. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2018 , 14, 721-738	5.5	9
232	Customised in vitro model to detect human metabolism-dependent idiosyncratic drug-induced liver injury. <i>Archives of Toxicology</i> , 2018 , 92, 383-399	5.8	22
231	Angiopietin-Like Protein 8 Is a Novel Vitamin D Receptor Target Gene Involved in Nonalcoholic Fatty Liver Pathogenesis. <i>American Journal of Pathology</i> , 2018 , 188, 2800-2810	5.8	17
230	Relevance of the incubation period in cytotoxicity testing with primary human hepatocytes. <i>Archives of Toxicology</i> , 2018 , 92, 3505-3515	5.8	22
229	Model-based contextualization of in vitro toxicity data quantitatively predicts in vivo drug response in patients. <i>Archives of Toxicology</i> , 2017 , 91, 865-883	5.8	14
228	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> , 2017 , 8, 3	5.6	27
227	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> , 2016 , 263, 58-67	4.4	5
226	Inter-laboratory study of human in vitro toxicogenomics-based tests as alternative methods for evaluating chemical carcinogenicity: a bioinformatics perspective. <i>Archives of Toxicology</i> , 2016 , 90, 2215-2229	5.8	14
225	Extending metabolome coverage for untargeted metabolite profiling of adherent cultured hepatic cells. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 1217-30	4.4	28
224	Contribution to the Understanding of Particle Motion Perception in Marine Invertebrates. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 875, 47-55	3.6	6
223	Hepatocyte transplantation program: Lessons learned and future strategies. <i>World Journal of Gastroenterology</i> , 2016 , 22, 874-86	5.6	45
222	Silencing of hepatic fate-conversion factors induce tumorigenesis in reprogrammed hepatic progenitor-like cells. <i>Stem Cell Research and Therapy</i> , 2016 , 7, 96	8.3	6

221	A metabolomics cell-based approach for anticipating and investigating drug-induced liver injury. <i>Scientific Reports</i> , 2016 , 6, 27239	4.9	50
220	Human Upcyte Hepatocytes: Characterization of the Hepatic Phenotype and Evaluation for Acute and Long-Term Hepatotoxicity Routine Testing. <i>Toxicological Sciences</i> , 2016 , 152, 214-29	4.4	37
219	High-content screening of drug-induced mitochondrial impairment in hepatic cells: effects of statins. <i>Archives of Toxicology</i> , 2015 , 89, 1847-60	5.8	32
218	Towards an alternative testing strategy for nanomaterials used in nanomedicine: lessons from NanoTEST. <i>Nanotoxicology</i> , 2015 , 9 Suppl 1, 118-32	5.3	55
217	A score model for the continuous grading of early allograft dysfunction severity. <i>Liver Transplantation</i> , 2015 , 21, 38-46	4.5	85
216	LC-MS untargeted metabolomic analysis of drug-induced hepatotoxicity in HepG2 cells. <i>Electrophoresis</i> , 2015 , 36, 2294-2302	3.6	25
215	Human neonatal hepatocyte transplantation induces long-term rescue of unconjugated hyperbilirubinemia in the Gunn rat. <i>Liver Transplantation</i> , 2015 , 21, 801-11	4.5	13
214	Growth-promoting and tumorigenic activity of c-Myc is suppressed by Hhex. <i>Oncogene</i> , 2015 , 34, 3011-22	3.2	18
213	Transplantation of hESC-derived hepatocytes protects mice from liver injury. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 246	8.3	49
212	Repression of the nuclear receptor small heterodimer partner by steatotic drugs and in advanced nonalcoholic fatty liver disease. <i>Molecular Pharmacology</i> , 2015 , 87, 582-94	4.3	18
211	A simple transcriptomic signature able to predict drug-induced hepatic steatosis. <i>Archives of Toxicology</i> , 2014 , 88, 967-82	5.8	25
210	Interindividual variation in response to xenobiotic exposure established in precision-cut human liver slices. <i>Toxicology</i> , 2014 , 323, 61-9	4.4	18
209	Metabolomics discloses donor liver biomarkers associated with early allograft dysfunction. <i>Journal of Hepatology</i> , 2014 , 61, 564-74	13.4	49
208	Neonatal livers: a source for the isolation of good-performing hepatocytes for cell transplantation. <i>Cell Transplantation</i> , 2014 , 23, 1229-42	4	36
207	Mangifera indica L. extract and mangiferin modulate cytochrome P450 and UDP-glucuronosyltransferase enzymes in primary cultures of human hepatocytes. <i>Phytotherapy Research</i> , 2013 , 27, 745-52	6.7	15
206	HepG2 cells simultaneously expressing five P450 enzymes for the screening of hepatotoxicity: identification of bioactivable drugs and the potential mechanism of toxicity involved. <i>Archives of Toxicology</i> , 2013 , 87, 1115-27	5.8	57
205	Multiparametric evaluation of the cytoprotective effect of the Mangifera indica L. stem bark extract and mangiferin in HepG2 cells. <i>Journal of Pharmacy and Pharmacology</i> , 2013 , 65, 1073-82	4.8	16
204	Transcriptomic responses generated by hepatocarcinogens in a battery of liver-based in vitro models. <i>Carcinogenesis</i> , 2013 , 34, 1393-402	4.6	40

203	The human liver fatty acid binding protein (FABP1) gene is activated by FOXA1 and PPAR α and repressed by C/EBP β Implications in FABP1 down-regulation in nonalcoholic fatty liver disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 803-18	5	60
202	An in vitro tool to assess cytochrome P450 drug biotransformation-dependent cytotoxicity in engineered HepG2 cells generated by using adenoviral vectors. <i>Toxicology in Vitro</i> , 2013 , 27, 1410-5	3.6	16
201	Dichloro-dihydro-fluorescein diacetate (DCFH-DA) assay: a quantitative method for oxidative stress assessment of nanoparticle-treated cells. <i>Toxicology in Vitro</i> , 2013 , 27, 954-63	3.6	256
200	Gata4 blocks somatic cell reprogramming by directly repressing Nanog. <i>Stem Cells</i> , 2013 , 31, 71-82	5.8	15
199	A combination of transcriptomics and metabolomics uncovers enhanced bile acid biosynthesis in HepG2 cells expressing CCAAT/enhancer-binding protein [[C/EBP]] hepatocyte nuclear factor 4[[(HNF4]] and constitutive androstane receptor (CAR). <i>Journal of Proteome Research</i> , 2013 , 12, 2732-41	5.6	5
198	Human hepatocyte transplantation in patients with hepatic failure awaiting a graft. <i>European Surgical Research</i> , 2013 , 50, 273-81	1.1	22
197	Chemometric approaches to improve PLS-DA model outcome for predicting human non-alcoholic fatty liver disease using UPLC-MS as a metabolic profiling tool. <i>Metabolomics</i> , 2012 , 8, 86-98	4.7	47
196	Upgrading cytochrome P450 activity in HepG2 cells co-transfected with adenoviral vectors for drug hepatotoxicity assessment. <i>Toxicology in Vitro</i> , 2012 , 26, 1272-7	3.6	31
195	Evaluation of cytochrome P450 activities in human hepatocytes in vitro. <i>Methods in Molecular Biology</i> , 2012 , 806, 87-97	1.4	8
194	Modulation of biotransformation and elimination systems by BM-21, an aqueous ethanolic extract from <i>Thalassia testudinum</i> , and thalassiolin B on human hepatocytes. <i>Journal of Functional Foods</i> , 2012 , 4, 167-176	5.1	5
193	Foxa1 reduces lipid accumulation in human hepatocytes and is down-regulated in nonalcoholic fatty liver. <i>PLoS ONE</i> , 2012 , 7, e30014	3.7	52
192	Targeted profiling of circulating and hepatic bile acids in human, mouse, and rat using a UPLC-MRM-MS-validated method. <i>Journal of Lipid Research</i> , 2012 , 53, 2231-2241	6.3	171
191	High-content imaging technology for the evaluation of drug-induced steatosis using a multiparametric cell-based assay. <i>Journal of Biomolecular Screening</i> , 2012 , 17, 394-400		53
190	Development of a multiparametric cell-based protocol to screen and classify the hepatotoxicity potential of drugs. <i>Toxicological Sciences</i> , 2012 , 127, 187-98	4.4	93
189	Clinical outcome of hepatocyte transplantation in four pediatric patients with inherited metabolic diseases. <i>Cell Transplantation</i> , 2012 , 21, 2267-82	4	57
188	A comprehensive untargeted metabolomic analysis of human steatotic liver tissue by RP and HILIC chromatography coupled to mass spectrometry reveals important metabolic alterations. <i>Journal of Proteome Research</i> , 2011 , 10, 4825-34	5.6	93
187	Influence of platelet lysate on the recovery and metabolic performance of cryopreserved human hepatocytes upon thawing. <i>Transplantation</i> , 2011 , 91, 1340-6	1.8	16
186	Steatotic liver: a suitable source for the isolation of hepatic progenitor cells. <i>Liver International</i> , 2011 , 31, 1231-8	7.9	10

185	Human embryonic stem cell derived hepatocyte-like cells as a tool for in vitro hazard assessment of chemical carcinogenicity. <i>Toxicological Sciences</i> , 2011 , 124, 278-90	4.4	55
184	Interaction between Hhex and SOX13 modulates Wnt/TCF activity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5726-37	5.4	21
183	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> , 2010 , 285, 28457-71	5.4	27
182	Mechanism-based selection of compounds for the development of innovative in vitro approaches to hepatotoxicity studies in the LIINTOP project. <i>Toxicology in Vitro</i> , 2010 , 24, 1879-89	3.6	26
181	Exploring mass spectrometry suitability to examine human liver graft metabonomic profiles. <i>Transplantation Proceedings</i> , 2010 , 42, 2953-8	1.1	14
180	Metabolite formation kinetics and intrinsic clearance of phenacetin, tolbutamide, alprazolam, and midazolam in adenoviral cytochrome P450-transfected HepG2 cells and comparison with hepatocytes and in vivo. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 1449-55	4	24
179	Functional characterization of hepatocytes for cell transplantation: customized cell preparation for each receptor. <i>Cell Transplantation</i> , 2010 , 19, 21-8	4	29
178	Validated assay for studying activity profiles of human liver UGTs after drug exposure: inhibition and induction studies. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 2251-63	4.4	55
177	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> , 2010 , 184, 376-87	5	65
176	The use of hepatocytes to investigate drug toxicity. <i>Methods in Molecular Biology</i> , 2010 , 640, 389-415	1.4	32
175	Cytometric analysis for drug-induced steatosis in HepG2 cells. <i>Chemico-Biological Interactions</i> , 2009 , 181, 417-23	5	59
174	Idiosyncratic Drug-Induced Liver Injury: Facts and Perspectives 2009 , 179-206		
173	Fluorescent benzofurazan-cholic acid conjugates for in vitro assessment of bile acid uptake and its modulation by drugs. <i>ChemMedChem</i> , 2009 , 4, 466-72	3.7	19
172	Inhibition of human P450 enzymes by natural extracts used in traditional medicine. <i>Phytotherapy Research</i> , 2009 , 23, 279-82	6.7	49
171	Synthesis of new, UV-photoactive dansyl derivatives for flow cytometric studies on bile acid uptake. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 4973-80	3.9	16
170	Liver cell culture techniques. <i>Methods in Molecular Biology</i> , 2009 , 481, 35-46	1.4	33
169	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> , 2009 , 18, 1319-40	4	39
168	Modulation of P450 enzymes by Cuban natural products rich in polyphenolic compounds in rat hepatocytes. <i>Chemico-Biological Interactions</i> , 2008 , 172, 1-10	5	24

167	Coordinated induction of drug transporters and phase I and II metabolism in human liver slices. <i>European Journal of Pharmaceutical Sciences</i> , 2008 , 33, 380-9	5.1	75
166	Interleukin-6. <i>Annals of the New York Academy of Sciences</i> , 2008 , 557, 87-101	6.5	108
165	Potential hepatoprotective effects of new Cuban natural products in rat hepatocytes culture. <i>Toxicology in Vitro</i> , 2008 , 22, 1242-9	3.6	40
164	Photophysical characterization and flow cytometry applications of cholylamidofluorescein, a fluorescent bile acid scaffold. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 860-6	4.2	5
163	Strategies to in vitro assessment of major human CYP enzyme activities by using liquid chromatography tandem mass spectrometry. <i>Current Drug Metabolism</i> , 2008 , 9, 12-9	3.5	35
162	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> , 2008 , 36, 1063-72	4	45
161	An update on metabolism studies using human hepatocytes in primary culture. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2008 , 4, 837-54	5.5	59
160	Identification of apoptotic drugs: multiparametric evaluation in cultured hepatocytes. <i>Current Medicinal Chemistry</i> , 2008 , 15, 2071-85	4.3	19
159	Functional assessment of the quality of human hepatocyte preparations for cell transplantation. <i>Cell Transplantation</i> , 2008 , 17, 1211-9	4	45
158	Assessment of cytochrome P450 induction in human hepatocytes using the cocktail strategy plus liquid chromatography tandem mass spectrometry. <i>Drug Metabolism Letters</i> , 2008 , 2, 205-9	2.1	22
157	Evaluation of drug-metabolizing and functional competence of human hepatocytes incubated under hypothermia in different media for clinical infusion. <i>Cell Transplantation</i> , 2008 , 17, 887-97	4	24
156	A new in vitro approach for the simultaneous determination of phase I and phase II enzymatic activities of human hepatocyte preparations. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 240-4 ²	4.2	21
155	Triplet excited fluoroquinolones as mediators for thymine cyclobutane dimer formation in DNA. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 7409-14	3.4	63
154	Over-expression of neuropathy target esterase activity in bovine chromaffin cell cultures by adenovirus-mediated gene transfer. <i>Toxicology Letters</i> , 2007 , 168, 286-91	4.4	5
153	Hepatocytes--the choice to investigate drug metabolism and toxicity in man: in vitro variability as a reflection of in vivo. <i>Chemico-Biological Interactions</i> , 2007 , 168, 30-50	5	112
152	A human hepatocellular in vitro model to investigate steatosis. <i>Chemico-Biological Interactions</i> , 2007 , 165, 106-16	5	333
151	Human mesenchymal stem cells from adipose tissue: Differentiation into hepatic lineage. <i>Toxicology in Vitro</i> , 2007 , 21, 324-9	3.6	82
150	Transcriptional regulation and expression of CYP3A4 in hepatocytes. <i>Current Drug Metabolism</i> , 2007 , 8, 185-94	3.5	106

149	Effects of steatosis on drug-metabolizing capability of primary human hepatocytes. <i>Toxicology in Vitro</i> , 2007 , 21, 271-6	3.6	39
148	Determination of major human cytochrome P450s activities in 96-well plates using liquid chromatography tandem mass spectrometry. <i>Toxicology in Vitro</i> , 2007 , 21, 1247-52	3.6	26
147	In vitro ADME medium/high-throughput screening in drug preclinical development. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006 , 6, 1053-62	3.2	28
146	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> , 2006 , 281, 29840-9	5.4	48
145	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> , 2006 , 70, 1681-92	4.3	59
144	Cryopreservation of rat, dog and human hepatocytes: influence of preculture and cryoprotectants on recovery, cytochrome P450 activities and induction upon thawing. <i>Xenobiotica</i> , 2006 , 36, 457-72	2	41
143	Potential impact of steatosis on cytochrome P450 enzymes of human hepatocytes isolated from fatty liver grafts. <i>Drug Metabolism and Disposition</i> , 2006 , 34, 1556-62	4	105
142	Primary steps of the photochemical reactions of 2-cyano-10-(3-[dimethylamino, N-oxide]-2-methylpropyl)-5-oxide-phenothiazine, the photoproduct of cyamemazine, a phototoxic neuroleptic: comparison with the sulfoxide. <i>Photochemical and Photobiological Sciences</i> , 2006 , 5, 336-42	4.2	5
141	The triplet energy of thymine in DNA. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6318-9	16.4	86
140	Overexpression of SND p102, a rat homologue of p100 coactivator, promotes the secretion of lipoprotein phospholipids in primary hepatocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006 , 1761, 698-708	5	32
139	Hepatocyte cell lines: their use, scope and limitations in drug metabolism studies. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2006 , 2, 183-212	5.5	153
138	Polypodium leucotomos extract: antioxidant activity and disposition. <i>Toxicology in Vitro</i> , 2006 , 20, 464-73	3.6	57
137	Allergic hepatitis induced by drugs. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2006 , 6, 258-65	3.3	26
136	Influence of preservation solution on the isolation and culture of human hepatocytes from liver grafts. <i>Cell Transplantation</i> , 2005 , 14, 837-43	4	18
135	Antitumour activity of fatty acid maltotriose esters obtained by enzymatic synthesis. <i>Biotechnology and Applied Biochemistry</i> , 2005 , 42, 35-9	2.8	29
134	Metabolism and bioactivation of toxicants in the lung. The in vitro cellular approach. <i>Experimental and Toxicologic Pathology</i> , 2005 , 57 Suppl 1, 189-204		175
133	Multiparametric characterization by flow cytometry of flow-sorted subpopulations of a human hepatoma cell line useful for drug research 2005 , 63, 48-58		13
132	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> , 2005 , 67, 2088-101	4.3	55

131	Liver grafts preserved in Celsior solution as source of hepatocytes for drug metabolism studies: comparison with surgical liver biopsies. <i>Drug Metabolism and Disposition</i> , 2005 , 33, 108-14	4	14
130	Drug metabolism by cultured human hepatocytes: how far are we from the in vivo reality?. <i>ATLA Alternatives To Laboratory Animals</i> , 2004 , 32, 101-10	2.1	6
129	Can hepatoma cell lines be redifferentiated to be used in drug metabolism studies?. <i>ATLA Alternatives To Laboratory Animals</i> , 2004 , 32 Suppl 1A, 65-74	2.1	3
128	Human hepatocytes in primary culture: the choice to investigate drug metabolism in man. <i>Current Drug Metabolism</i> , 2004 , 5, 443-62	3.5	202
127	Primary photochemical processes of the phototoxic neuroleptic cyamemazine: a study by laser flash photolysis and steady-state irradiation. <i>Photochemistry and Photobiology</i> , 2004 , 80, 535-41	3.6	9
126	The immunosuppressant drug FK506 prevents Fas-induced apoptosis in human hepatocytes. <i>Biochemical Pharmacology</i> , 2004 , 68, 2427-33	6	25
125	Fluorescence-based assays for screening nine cytochrome P450 (P450) activities in intact cells expressing individual human P450 enzymes. <i>Drug Metabolism and Disposition</i> , 2004 , 32, 699-706	4	181
124	Role of hepatocyte nuclear factor 3 gamma in the expression of human CYP2C genes. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 426, 63-72	4.1	48
123	Primary Photochemical Processes of the Phototoxic Neuroleptic Cyamemazine: A Study by Laser Flash Photolysis and Steady-state Irradiation. <i>Photochemistry and Photobiology</i> , 2004 , 80, 535	3.6	5
122	Transcriptional regulation of human CYP3A4 basal expression by CCAAT enhancer-binding protein alpha and hepatocyte nuclear factor-3 gamma. <i>Molecular Pharmacology</i> , 2003 , 63, 1180-9	4.3	89
121	Human hepatocytes as a tool for studying toxicity and drug metabolism. <i>Current Drug Metabolism</i> , 2003 , 4, 292-312	3.5	187
120	Human hepatic cell cultures: in vitro and in vivo drug metabolism. <i>ATLA Alternatives To Laboratory Animals</i> , 2003 , 31, 257-65	2.1	28
119	Diclofenac induces apoptosis in hepatocytes by alteration of mitochondrial function and generation of ROS. <i>Biochemical Pharmacology</i> , 2003 , 66, 2155-67	6	132
118	Strategies and molecular probes to investigate the role of cytochrome P450 in drug metabolism: focus on in vitro studies. <i>Clinical Pharmacokinetics</i> , 2003 , 42, 153-78	6.2	97
117	Constitutive and inducible expression of CYP enzymes in immortal hepatocytes derived from SV40 transgenic mice. <i>Xenobiotica</i> , 2003 , 33, 459-73	2	8
116	Induction of hepatic heme oxygenase-1 by diclofenac in rodents: role of oxidative stress and cytochrome P-450 activity. <i>Journal of Hepatology</i> , 2003 , 38, 776-83	13.4	42
115	Diclofenac induces apoptosis in hepatocytes. <i>Toxicology in Vitro</i> , 2003 , 17, 675-80	3.6	51
114	In vitro studies on DNA-photosensitization by different drug stereoisomers. <i>Toxicology in Vitro</i> , 2003 , 17, 651-6	3.6	12

113	Semi-automatic quantitative RT-PCR to measure CYP induction by drugs in human hepatocytes. <i>Toxicology in Vitro</i> , 2003 , 17, 643-9	3.6	38
112	Functionality of cultured human hepatocytes from elective samples, cadaveric grafts and hepatectomies. <i>Toxicology in Vitro</i> , 2003 , 17, 769-74	3.6	28
111	Comparative studies on the cytochrome p450-associated metabolism and interaction potential of selegiline between human liver-derived in vitro systems. <i>Drug Metabolism and Disposition</i> , 2003 , 31, 1093-1102	4.1	72
110	Down-regulation of human CYP3A4 by the inflammatory signal interleukin-6: molecular mechanism and transcription factors involved. <i>FASEB Journal</i> , 2002 , 16, 1799-801	0.9	158
109	Sensitive markers used to identify compounds that trigger apoptosis in cultured hepatocytes. <i>Toxicological Sciences</i> , 2002 , 65, 299-308	4.4	76
108	Cytochrome P450 expression in human hepatocytes and hepatoma cell lines: molecular mechanisms that determine lower expression in cultured cells. <i>Xenobiotica</i> , 2002 , 32, 505-20	2	304
107	Establishment and characterization of immortal hepatocytes derived from various transgenic mouse lines. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 294, 864-71	3.4	13
106	Biotransformation in vitro of the 22R and 22S epimers of budesonide by human liver, bronchus, colonic mucosa and skin. <i>Fundamental and Clinical Pharmacology</i> , 2001 , 15, 47-54	3.1	5
105	Expression and induction of a large set of drug-metabolizing enzymes by the highly differentiated human hepatoma cell line BC2. <i>FEBS Journal</i> , 2001 , 268, 1448-59		57
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