Jose V Castell

List of Publications by Year
in descending order

262 papers	14,694 citations	18436 62 h-index	26548 107 g-index
271 all docs	271 docs citations	271 times ranked	14683 citing authors

#	Article	IF	Citations
1	Interleukin-6 is the major regulator of acute phase protein synthesis in adult human hepatocytes. FEBS Letters, 1989, 242, 237-239.	1.3	776
2	Acute-phase response of human hepatocytes: Regulation of acute-phase protein synthesis by interleukin-6. Hepatology, 1990, 12, 1179-1186.	3.6	652
3	A human hepatocellular in vitro model to investigate steatosis. Chemico-Biological Interactions, 2007, 165, 106-116.	1.7	439
4	Recombinant human interleukin-6 (IL-6/BSF-2/HSF) regulates the synthesis of acute phase proteins in human hepatocytes. FEBS Letters, 1988, 232, 347-350.	1.3	398
5	Dichloro-dihydro-fluorescein diacetate (DCFH-DA) assay: A quantitative method for oxidative stress assessment of nanoparticle-treated cells. Toxicology in Vitro, 2013, 27, 954-963.	1.1	349
6	Cytochrome P450 expression in human hepatocytes and hepatoma cell lines: molecular mechanisms that determine lower expression in cultured cells. Xenobiotica, 2002, 32, 505-520.	0.5	340
7	A Microassay for Measuring Cytochrome P450IA1 and Cytochrome P450IIB1 Activities in Intact Human and Rat Hepatocytes Cultured on 96-Well Plates. Analytical Biochemistry, 1993, 213, 29-33.	1.1	299
8	Plasma clearance, organ distribution and target cells of interleukin-6/hepatocyte-stimulating factor in the rat. FEBS Journal, 1988, 177, 357-361.	0.2	244
9	Human Hepatocytes in Primary Culture: The Choice to Investigate Drug Metabolism in Man. Current Drug Metabolism, 2004, 5, 443-462.	0.7	227
10	Targeted profiling of circulating and hepatic bile acids in human, mouse, and rat using a UPLC-MRM-MS-validated method. Journal of Lipid Research, 2012, 53, 2231-2241.	2.0	220
11	Hepatic metabolism of diclofenac: role of human CYP in the minor oxidative pathways. Biochemical Pharmacology, 1999, 58, 787-796.	2.0	206
12	Human Hepatocytes as a Tool for Studying Toxicity and Drug Metabolism. Current Drug Metabolism, 2003, 4, 292-312.	0.7	206
13	FLUORESCENCE-BASED ASSAYS FOR SCREENING NINE CYTOCHROME P450 (P450) ACTIVITIES IN INTACT CELLS EXPRESSING INDIVIDUAL HUMAN P450 ENZYMES. Drug Metabolism and Disposition, 2004, 32, 699-706.	1.7	204
14	Metabolism and bioactivation of toxicants in the lung. The in vitro cellular approach. Experimental and Toxicologic Pathology, 2005, 57, 189-204.	2.1	197
15	Downâ€regulation of human CYP3A4 by the inflammatory signal interleukin 6: molecular mechanism and transcription factors involved. FASEB Journal, 2002, 16, 1-29.	0.2	192
16	Cytochrome P450 regulation by hepatocyte nuclear factor 4 in human hepatocytes: A study using adenovirus-mediated antisense targeting. Hepatology, 2001, 33, 668-675.	3.6	184
17	Hepatocyte cell lines: their use, scope and limitations in drug metabolism studies. Expert Opinion on Drug Metabolism and Toxicology, 2006, 2, 183-212.	1.5	173
18	Hepatic cytochrome P450 down-regulation during aseptic inflammation in the mouse is interleukin 6 dependent. Hepatology, 2000, 32, 49-55.	3.6	160

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19	Diclofenac induces apoptosis in hepatocytes by alteration of mitochondrial function and generation of ROS. Biochemical Pharmacology, 2003, 66, 2155-2167.	2.0	151
20	A score model for the continuous grading of early allograft dysfunction severity. Liver Transplantation, 2015, 21, 38-46.	1.3	139
21	Cytochrome P-450 mRNA Expression in Human Liver and Its Relationship with Enzyme Activity. Archives of Biochemistry and Biophysics, 2001, 393, 308-315.	1.4	129
22	A convenient micromethod for the assay of primary amines and proteins with fluorescamine. A reexamination of the conditions of reaction. Analytical Biochemistry, 1979, 99, 379-391.	1.1	128
23	Hepatocytesâ€"the choice to investigate drug metabolism and toxicity in man: In vitro variability as a reflection of in vivo. Chemico-Biological Interactions, 2007, 168, 30-50.	1.7	127
24	Long-term expression of differentiated functions in hepatocytes cultured in three-dimensional collagen matrix. , 1998, 177, 553-562.		125
25	Potential Impact of Steatosis on Cytochrome P450 Enzymes of Human Hepatocytes Isolated from Fatty Liver Grafts. Drug Metabolism and Disposition, 2006, 34, 1556-1562.	1.7	125
26	Transcriptional Regulation and Expression of CYP3A4 in Hepatocytes. Current Drug Metabolism, 2007, 8, 185-194.	0.7	122
27	Re-expression of C/EBPÎ± induces CYP2B6, CYP2C9 and CYP2D6 genes in HepG2 cells. FEBS Letters, 1998, 431, 227-230.	1.3	119
28	Interleukinâ€6. Annals of the New York Academy of Sciences, 1989, 557, 87-101.	1.8	119
29	Strategies and Molecular Probes to Investigate the Role of Cytochrome P450 in Drug Metabolism. Clinical Pharmacokinetics, 2003, 42, 153-178.	1.6	115
30	A Comprehensive Untargeted Metabonomic Analysis of Human Steatotic Liver Tissue by RP and HILIC Chromatography Coupled to Mass Spectrometry Reveals Important Metabolic Alterations. Journal of Proteome Research, 2011, 10, 4825-4834.	1.8	114
31	Characterization of drug metabolizing activities in pig hepatocytes for use in bioartificial liver devices: comparison with other hepatic cellular models. Journal of Hepatology, 1999, 31, 542-549.	1.8	108
32	Development of a Multiparametric Cell-based Protocol to Screen and Classify the Hepatotoxicity Potential of Drugs. Toxicological Sciences, 2012, 127, 187-198.	1.4	105
33	Effects of metabolite binding to ribulosebisphosphate carboxylase on the activity of the Calvin photosynthesis cycle. FEBS Journal, 1988, 177, 351-355.	0.2	102
34	The Triplet Energy of Thymine in DNA. Journal of the American Chemical Society, 2006, 128, 6318-6319.	6.6	99
35	Transcriptional Regulation of Human CYP3A4 Basal Expression by CCAAT Enhancer-Binding Protein Î± and Hepatocyte Nuclear Factor-3Î³. Molecular Pharmacology, 2003, 63, 1180-1189.	1.0	97
36	Quantitative RT-PCR Measurement of Human Cytochrome P-450s: Application to Drug Induction Studies. Archives of Biochemistry and Biophysics, 2000, 376, 109-116.	1.4	93

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37	Human mesenchymal stem cells from adipose tissue: Differentiation into hepatic lineage. Toxicology in Vitro, 2007, 21, 324-329.	1.1	91
38	Prediction of human drug-induced liver injury (DILI) in relation to oral doses and blood concentrations. Archives of Toxicology, 2019, 93, 1609-1637.	1.9	86
39	Coordinated induction of drug transporters and phase I and II metabolism in human liver slices. European Journal of Pharmaceutical Sciences, 2008, 33, 380-389.	1.9	83
40	Culture of human hepatocytes from small surgical liver biopsies. Biochemical characterization and comparison with in vivo. In Vitro Cellular & Developmental Biology, 1990, 26, 67-74.	1.0	82
41	Sensitive Markers Used to Identify Compounds That Trigger Apoptosis in Cultured Hepatocytes. Toxicological Sciences, 2002, 65, 299-308.	1.4	82
42	PHOTOLYTIC DEGRADATION OF IBUPROFEN. TOXICITY OF THE ISOLATED PHOTOPRODUCTS ON FIBROBLASTS and ERYTHROCYTES. Photochemistry and Photobiology, 1987, 46, 991-996.	1.3	80
43	PHOTODYNAMIC LIPID PEROXIDATION BY THE PHOTOSENSITIZING NONSTEROIDAL ANTIINFLAMMATORY DRUGS SUPROFEN AND TIAPROFENIC ACID. Photochemistry and Photobiology, 1994, 59, 35-39.	1.3	79
44	Biochemical functionality and recovery of hepatocytes after deep freezing storage. In Vitro, 1984, 20, 826-832.	1.2	78
45	COMPARATIVE STUDIES ON THE CYTOCHROME P450-ASSOCIATED METABOLISM AND INTERACTION POTENTIAL OF SELEGILINE BETWEEN HUMAN LIVER-DERIVED IN VITRO SYSTEMS. Drug Metabolism and Disposition, 2003, 31, 1093-1102.	1.7	77
46	Cytometric analysis for drug-induced steatosis in HepG2 cells. Chemico-Biological Interactions, 2009, 181, 417-423.	1.7	77
47	Foxa1 Reduces Lipid Accumulation in Human Hepatocytes and Is Down-Regulated in Nonalcoholic Fatty Liver. PLoS ONE, 2012, 7, e30014.	1.1	77
48	Towards an alternative testing strategy for nanomaterials used in nanomedicine: Lessons from NanoTEST. Nanotoxicology, 2015, 9, 118-132.	1.6	75
49	Enhanced steatosis by nuclear receptor ligands: A study in cultured human hepatocytes and hepatoma cells with a characterized nuclear receptor expression profile. Chemico-Biological Interactions, 2010, 184, 376-387.	1.7	74
50	Polypodium leucotomos extract: Antioxidant activity and disposition. Toxicology in Vitro, 2006, 20, 464-471.	1.1	73
51	The human liver fatty acid binding protein (FABP1) gene is activated by FOXA1 and PPARÎ±; and repressed by C/EBPÎ±: Implications in FABP1 down-regulation in nonalcoholic fatty liver disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 803-818.	1.2	73
52	Evaluation of the cytotoxicity of ten chemicals on human cultured hepatocytes: Predictability of human toxicity and comparison with rodent cell culture systems. Toxicology in Vitro, 1992, 6, 47-52.	1.1	72
53	Triplet Excited Fluoroquinolones as Mediators for Thymine Cyclobutane Dimer Formation in DNA. Journal of Physical Chemistry B, 2007, 111, 7409-7414.	1.2	70
54	A Microassay for Measuring Glycogen in 96-Well-Cultured Cells. Analytical Biochemistry, 1996, 236, 296-301.	1.1	69

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55	The application of in vitro data in the derivation of the Acceptable Daily Intake of food additives. Food and Chemical Toxicology, 1999, 37, 1175-1197.	1.8	69
56	Transplantation of hESC-derived hepatocytes protects mice from liver injury. Stem Cell Research and Therapy, 2015, 6, 246.	2.4	69
57	HepG2 cells simultaneously expressing five P450 enzymes for the screening of hepatotoxicity: identification of bioactivable drugs and the potential mechanism of toxicity involved. Archives of Toxicology, 2013, 87, 1115-1127.	1.9	68
58	A metabolomics cell-based approach for anticipating and investigating drug-induced liver injury. Scientific Reports, 2016, 6, 27239.	1.6	67
59	An update on metabolism studies using human hepatocytes in primary culture. Expert Opinion on Drug Metabolism and Toxicology, 2008, 4, 837-854.	1.5	66
60	Human Embryonic Stem Cell Derived Hepatocyte-Like Cells as a Tool for In Vitro Hazard Assessment of Chemical Carcinogenicity. Toxicological Sciences, 2011, 124, 278-290.	1.4	66
61	Clinical Outcome of Hepatocyte Transplantation in Four Pediatric Patients with Inherited Metabolic Diseases. Cell Transplantation, 2012, 21, 2267-2282.	1.2	66
62	Fate and biological action of human recombinant interleukin 1Î² in the ratin vivo. European Journal of Immunology, 1989, 19, 1485-1490.	1.6	64
63	High-Content Imaging Technology for the Evaluation of Drug-Induced Steatosis Using a Multiparametric Cell-Based Assay. Journal of Biomolecular Screening, 2012, 17, 394-400.	2.6	64
64	The Second ECVAM Workshop on Phototoxicity Testing. ATLA Alternatives To Laboratory Animals, 2000, 28, 777-814.	0.7	63
65	Transcriptional Activation of CYP2C9, CYP1A1, and CYP1A2 by Hepatocyte Nuclear Factor 4Î± Requires Coactivators Peroxisomal Proliferator Activated Receptor-Î³ Coactivator 1Î± and Steroid Receptor Coactivator 1. Molecular Pharmacology, 2006, 70, 1681-1692.	1.0	63
66	Metabolomics discloses donor liver biomarkers associated with early allograft dysfunction. Journal of Hepatology, 2014, 61, 564-574.	1.8	63
67	Expression and induction of a large set of drug-metabolizing enzymes by the highly differentiated human hepatoma cell line BC2. FEBS Journal, 2001, 268, 1448-1459.	0.2	62
68	Transcriptional Regulation of the Human Hepatic CYP3A4: Identification of a New Distal Enhancer Region Responsive to CCAAT/Enhancer-Binding Protein Î² Isoforms (Liver Activating Protein and Liver) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	61
69	Testing strategies for the safety of nanoparticles used in medical applications. Nanomedicine, 2009, 4, 605-607.	1.7	57
70	Validated assay for studying activity profiles of human liver UGTs after drug exposure: inhibition and induction studies. Analytical and Bioanalytical Chemistry, 2010, 396, 2251-2263.	1.9	57
71	Co-cultures of hepatocytes with epithelial-like cell lines: Expression of drug-biotransformation activities by hepatocytes. Cell Biology and Toxicology, 1991, 7, 1-14.	2.4	56
72	Inhibition of human P450 enzymes by natural extracts used in traditional medicine. Phytotherapy Research, 2009, 23, 279-282.	2.8	56

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73	Hepatocyte transplantation program: Lessons learned and future strategies. World Journal of Gastroenterology, 2016, 22, 874.	1.4	56
74	Underexpressed Coactivators PGC1Î± AND SRC1 Impair Hepatocyte Nuclear Factor 4Î± Function and Promote Dedifferentiation in Human Hepatoma Cells. Journal of Biological Chemistry, 2006, 281, 29840-29849.	1.6	55
75	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. Drug Metabolism and Disposition, 2008, 36, 1063-1072.	1.7	55
76	Diclofenac induces apoptosis in hepatocytes. Toxicology in Vitro, 2003, 17, 675-680.	1.1	54
77	Functional Assessment of the Quality of Human Hepatocyte Preparations for Cell Transplantation. Cell Transplantation, 2008, 17, 1211-1219.	1.2	54
78	Chemometric approaches to improve PLSDA model outcome for predicting human non-alcoholic fatty liver disease using UPLC-MS as a metabolic profiling tool. Metabolomics, 2012, 8, 86-98.	1.4	54
79	Induction of hepatic heme oxygenase-1 by diclofenac in rodents: role of oxidative stress and cytochrome P-450 activity. Journal of Hepatology, 2003, 38, 776-783.	1.8	53
80	O- andN-glycosylation lead to different molecular mass forms of human monocyte interleukin-6. FEBS Letters, 1989, 247, 323-326.	1.3	52
81	Transcriptomic responses generated by hepatocarcinogens in a battery of liver-based in vitro models. Carcinogenesis, 2013, 34, 1393-1402.	1.3	52
82	Human Upcyte Hepatocytes: Characterization of the Hepatic Phenotype and Evaluation for Acute and Long-Term Hepatotoxicity Routine Testing. Toxicological Sciences, 2016, 152, 214-229.	1.4	52
83	Non-invasive prediction of NAFLD severity: a comprehensive, independent validation of previously postulated serum microRNA biomarkers. Scientific Reports, 2018, 8, 10606.	1.6	52
84	Damage to mitochondria of cultured human skin fibroblasts photosensitized by fluoroquinolones. Journal of Photochemistry and Photobiology B: Biology, 2000, 58, 20-25.	1.7	50
85	Role of hepatocyte nuclear factor 3Î³ in the expression of human CYP2C genes. Archives of Biochemistry and Biophysics, 2004, 426, 63-72.	1.4	50
86	Drug metabolizing enzymes in rat hepatocytes co-cultured with cell lines. In Vitro Cellular & Developmental Biology, 1990, 26, 1057-1062.	1.0	49
87	Cryopreservation of rat, dog and human hepatocytes: influence of preculture and cryoprotectants on recovery, cytochrome P450 activities and induction upon thawing. Xenobiotica, 2006, 36, 457-472.	0.5	49
88	Effect of xenobiotics on monooxygenase activities in cultured human hepatocytes. Biochemical Pharmacology, 1990, 39, 1321-1326.	2.0	48
89	Adenovirus-mediated gene transfer into human hepatocytes: analysis of the biochemical functionality of transduced cells. Gene Therapy, 1997, 4, 455-464.	2.3	48
90	Effects of steatosis on drug-metabolizing capability of primary human hepatocytes. Toxicology in Vitro, 2007, 21, 271-276.	1.1	48

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91	Fate of interleukin-6 in the rat. Involvement of skin in its catabolism. FEBS Journal, 1990, 189, 113-118.	0.2	47
92	Comparing in vitro human liver models to in vivo human liver using RNA-Seq. Archives of Toxicology, 2021, 95, 573-589.	1.9	47
93	Intracellular glutathione in human hepatocytes incubated with S-adenosyl-L-methionine and GSH-depleting drugs. Toxicology, 1991, 70, 293-302.	2.0	46
94	Drug-Photosensitized Protein Modification:Â Identification of the Reactive Sites and Elucidation of the Reaction Mechanisms with Tiaprofenic Acid/Albumin as Model Systemâ€. Chemical Research in Toxicology, 1998, 11, 172-177.	1.7	44
95	Measurement of intracellular LDH activity in 96-well cultures: A rapid and automated assay for cytotoxicity studies. Cytotechnology, 1991, 13, 21-24.	0.3	43
96	Potential hepatoprotective effects of new Cuban natural products in rat hepatocytes culture. Toxicology in Vitro, 2008, 22, 1242-1249.	1.1	42
97	High-content screening of drug-induced mitochondrial impairment in hepatic cells: effects of statins. Archives of Toxicology, 2015, 89, 1847-1860.	1.9	42
98	Diagnosis of malignant ascites. Digestive Diseases and Sciences, 1988, 33, 833-838.	1.1	41
99	In vitro assessment of the phototoxicity of anti-inflammatory 2-arylpropionic acids. Toxicology in Vitro, 1991, 5, 451-455.	1.1	41
100	Semi-automatic quantitative RT-PCR to measure CYP induction by drugs in human hepatocytes. Toxicology in Vitro, 2003, 17, 643-649.	1.1	41
101	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. Cell Transplantation, 2009, 18, 1319-1340.	1.2	41
102	Relevance of the incubation period in cytotoxicity testing with primary human hepatocytes. Archives of Toxicology, 2018, 92, 3505-3515.	1.9	41
103	New microRNA Biomarkers for Drug-Induced Steatosis and Their Potential to Predict the Contribution of Drugs to Non-alcoholic Fatty Liver Disease. Frontiers in Pharmacology, 2017, 8, 3.	1.6	40
104	Customised in vitro model to detect human metabolism-dependent idiosyncratic drug-induced liver injury. Archives of Toxicology, 2018, 92, 383-399.	1.9	40
105	Allergic hepatitis induced by drugs. Current Opinion in Allergy and Clinical Immunology, 2006, 6, 258-265.	1.1	39
106	Strategies to In Vitro Assessment of Major Human CYP Enzyme Activities by Using Liquid Chromatography Tandem Mass Spectrometry. Current Drug Metabolism, 2008, 9, 12-19.	0.7	39
107	Liver Cell Culture Techniques. Methods in Molecular Biology, 2009, 481, 35-46.	0.4	39
108	Interaction between Hhex and SOX13 Modulates Wnt/TCF Activity. Journal of Biological Chemistry, 2010, 285, 5726-5737.	1.6	39

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109	A simple transcriptomic signature able to predict drug-induced hepatic steatosis. Archives of Toxicology, 2014, 88, 967-982.	1.9	39
110	Neonatal Livers: A Source for the Isolation of Good-Performing Hepatocytes for Cell Transplantation. Cell Transplantation, 2014, 23, 1229-1242.	1.2	39
111	The Use of Hepatocytes to Investigate Drug Toxicity. Methods in Molecular Biology, 2010, 640, 389-415.	0.4	39
112	Increased toxicity of cocaine on human hepatocytes induced by ethanol: role of GSH. Biochemical Pharmacology, 1999, 58, 1579-1585.	2.0	38
113	Enantioselective Discrimination in the Intramolecular Quenching of an Excited Aromatic Ketone by a Ground-State Phenol. Journal of the American Chemical Society, 1999, 121, 11569-11570.	6.6	38
114	A Fluorescamine-Based Sensitive Method for the Assay of Proteinases, Capable of Detecting the Initial Cleavage Steps of a Protein. FEBS Journal, 1979, 99, 253-260.	0.2	37
115	Enzyme-linked immunosorbent assay to quantify fibronectin. Analytical Biochemistry, 1985, 145, 1-8.	1.1	37
116	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. Toxicology in Vitro, 1995, 9, 959-966.	1.1	37
117	Functionality of cultured human hepatocytes from elective samples, cadaveric grafts and hepatectomies. Toxicology in Vitro, 2003, 17, 769-774.	1.1	37
118	Determination of major human cytochrome P450s activities in 96-well plates using liquid chromatography tandem mass spectrometry. Toxicology in Vitro, 2007, 21, 1247-1252.	1.1	37
119	INVOLVEMENT OF DRUG-DERIVED PEROXIDES IN THE PHOTOTOXICITY OF NAPROXEN and TIAPROFENIC ACID. Photochemistry and Photobiology, 1993, 57, 486-490.	1.3	35
120	Molecular mechanism of diclofenac hepatotoxicity: Association of cell injury with oxidative metabolism and decrease in ATP levels. Toxicology in Vitro, 1995, 9, 439-444.	1.1	35
121	Functional Characterization of Hepatocytes for Cell Transplantation: Customized Cell Preparation for Each Receptor. Cell Transplantation, 2010, 19, 21-28.	1.2	35
122	Potentiation of cocaine hepatotoxicity by ethanol in human hepatocytes. Toxicology and Applied Pharmacology, 1991, 107, 526-534.	1.3	33
123	Evaluation of ketoprofen (R, S and) phototoxicity by a battery of in vitro assays. Journal of Photochemistry and Photobiology B: Biology, 1995, 31, 133-138.	1.7	33
124	Development of an expert system rulebase for the prospective identification of photoallergens. Journal of Photochemistry and Photobiology B: Biology, 2000, 58, 54-61.	1.7	33
125	Overexpression of SND p102, a rat homologue of p100 coactivator, promotes the secretion of lipoprotein phospholipids in primary hepatocytes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 698-708.	1.2	33
126	The use of cultured hepatocytes to investigate the mechanisms of drug hepatotoxicity. Cell Biology and Toxicology, 1997, 13, 331-338.	2.4	32

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127	Human Hepatic Cell Cultures: In Vitro and In Vivo Drug Metabolism. ATLA Alternatives To Laboratory Animals, 2003, 31, 257-265.	0.7	32
128	Antitumour activity of fatty acid maltotriose esters obtained by enzymatic synthesis. Biotechnology and Applied Biochemistry, 2005, 42, 35.	1.4	32
129	In Vitro ADME Medium/High-Throughput Screening in Drug Preclinical Development. Mini-Reviews in Medicinal Chemistry, 2006, 6, 1053-1062.	1.1	32
130	Mechanism-based selection of compounds for the development of innovative in vitro approaches to hepatotoxicity studies in the LIINTOP project. Toxicology in Vitro, 2010, 24, 1879-1889.	1.1	32
131	Upgrading cytochrome P450 activity in HepG2 cells co-transfected with adenoviral vectors for drug hepatotoxicity assessment. Toxicology in Vitro, 2012, 26, 1272-1277.	1.1	32
132	LCâ€MS untargeted metabolomic analysis of drugâ€induced hepatotoxicity in HepG2 cells. Electrophoresis, 2015, 36, 2294-2302.	1.3	32
133	Growth-promoting and tumourigenic activity of c-Myc is suppressed by Hhex. Oncogene, 2015, 34, 3011-3022.	2.6	32
134	Extending metabolome coverage for untargeted metabolite profiling of adherent cultured hepatic cells. Analytical and Bioanalytical Chemistry, 2016, 408, 1217-1230.	1.9	32
135	A Network Involving Gut Microbiota, Circulating Bile Acids, and Hepatic Metabolism Genes That Protects Against Nonâ€Alcoholic Fatty Liver Disease. Molecular Nutrition and Food Research, 2019, 63, e1900487.	1.5	32
136	New cytostatic agents obtained by molecular topology. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 2301-2306.	1.0	31
137	Evaluation of Drug-Metabolizing and Functional Competence of Human Hepatocytes Incubated under Hypothermia in Different Media for Clinical Infusion. Cell Transplantation, 2008, 17, 887-897.	1.2	31
138	The immunosuppressant drug FK506 prevents Fas-induced apoptosis in human hepatocytes. Biochemical Pharmacology, 2004, 68, 2427-2433.	2.0	30
139	Acute cytotoxicity of ten chemicals in human and rat cultured hepatocytes and in cell lines: Correlation between in vitro data and human lethal concentrations. Toxicology in Vitro, 1994, 8, 47-54.	1.1	29
140	Drug biotransformation by human hepatocytes. In vitro/in vivo metabolism by cells from the same donor. Journal of Hepatology, 2001, 34, 19-25.	1.8	29
141	Comparing Targeted vs. Untargeted MS2 Data-Dependent Acquisition for Peak Annotation in LCâ€“MS Metabolomics. Metabolites, 2020, 10, 126.	1.3	29
142	Immunochemical detection of protein adducts in cultured human hepatocytes exposed to diclofenac. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1995, 1272, 140-146.	1.8	28
143	CCAAT/Enhancer-binding Protein Î± (C/EBPÎ±) and Hepatocyte Nuclear Factor 4Î± (HNF4Î±) Synergistically Cooperate with Constitutive Androstane Receptor to Transactivate the Human Cytochrome P450 2B6 (CYP2B6) Gene. Journal of Biological Chemistry, 2010, 285, 28457-28471.	1.6	28
144	Cocaine hepatotoxicity: Two different toxicity mechanisms for phenobarbital-induced and non-induced rat hepatocytes. Biochemical Pharmacology, 1993, 46, 1967-1974.	2.0	27

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145	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. Drug Metabolism and Disposition, 2010, 38, 1449-1455.	1.7	27
146	Angiopoietin-Like Protein 8 Is a Novel Vitamin D Receptor Target Gene Involved in Nonalcoholic Fatty Liver Pathogenesis. American Journal of Pathology, 2018, 188, 2800-2810.	1.9	27
147	Modulation of P450 enzymes by Cuban natural products rich in polyphenolic compounds in rat hepatocytes. Chemico-Biological Interactions, 2008, 172, 1-10.	1.7	26
148	Human Hepatocyte Transplantation in Patients with Hepatic Failure Awaiting a Graft. European Surgical Research, 2013, 50, 273-281.	0.6	26
149	Monitoring of system conditioning after blank injections in untargeted UPLC-MS metabolomic analysis. Scientific Reports, 2019, 9, 9822.	1.6	26
150	In vitro photoperoxidation as an indicator of the potential phototoxicity of non-steroidal anti-inflammatory 2-arylpropionic acids. Toxicology in Vitro, 1993, 7, 523-526.	1.1	25
151	Use of molecular topology in the selection of new cytostatic drugs. Computational and Theoretical Chemistry, 2000, 504, 241-248.	1.5	24
152	A new in vitro approach for the simultaneous determination of phase I and phase II enzymatic activities of human hepatocyte preparations. Rapid Communications in Mass Spectrometry, 2008, 22, 240-244.	0.7	24
153	Assessment of Cytochrome P450 Induction in Human Hepatocytes Using the Cocktail Strategy Plus Liquid Chromatography Tandem Mass Spectrometry. Drug Metabolism Letters, 2008, 2, 205-209.	0.5	24
154	Metabolomic analysis to discriminate drug-induced liver injury (DILI) phenotypes. Archives of Toxicology, 2021, 95, 3049-3062.	1.9	24
155	Long-term storage of peroxidase-labelled immunoglobulins for use in enzyme immunoassay. Journal of Immunological Methods, 1987, 99, 13-20.	0.6	23
156	Inhibition of monooxygenase activities in human hepatocytes by interferons. Toxicology in Vitro, 1993, 7, 481-485.	1.1	23
157	Isolation, Culture and Use of Human Hepatocytes in Drug Research. , 1997, , 129-153.		23
158	The Vitamin D Receptor Regulates Glycerolipid and Phospholipid Metabolism in Human Hepatocytes. Biomolecules, 2020, 10, 493.	1.8	23
159	MOLECULAR BASIS OF DRUG PHOTOTOXICITY: PHOTOSENSITIZED CELL DAMAGE BY THE MAJOR PHOTOPRODUCT OF TIAPROFENIC ACID. Photochemistry and Photobiology, 1994, 60, 586-590.	1.3	22
160	Regio- and stereo-selectivity in the intramolecular quenching of the excited benzoylthiophene chromophore by tryptophan. Chemical Communications, 2000, , 2257-2258.	2.2	22
161	Influence of Preservation Solution on the Isolation and Culture of Human Hepatocytes from Liver Grafts. Cell Transplantation, 2005, 14, 837-843.	1.2	22
162	Repression of the Nuclear Receptor Small Heterodimer Partner by Steatotic Drugs and in Advanced Nonalcoholic Fatty Liver Disease. Molecular Pharmacology, 2015, 87, 582-594.	1.0	22

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