

Recent advances in 2D and 3D in vitro systems using primary  
hepatocyte sources and non-parenchymal liver cells and  
mechanisms of hepatotoxicity, cell signaling and ADME

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Formation of Hepatocyte Spheroids with Structural Polarity and Functional Bile Canaliculi Using Nanopillar Sheets. <i>Tissue Engineering - Part A</i> , 2010, 16, 1983-1995.	1.6	26
2	A special issue about hepatotoxicity and hepatocyte in vitro systems. <i>Archives of Toxicology</i> , 2013, 87, 1313-1314.	1.9	8
3	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. <i>Archives of Toxicology</i> , 2013, 87, 1315-1530.	1.9	1,089
4	Human parenchymal and non-parenchymal liver cell isolation, culture and characterization. <i>Hepatology International</i> , 2013, 7, 951-958.	1.9	28
5	Antioxidative plant extracts for chemoprevention. <i>Archives of Toxicology</i> , 2013, 87, 2243-2245.	1.9	3
6	The cytoprotective and the dark side of Nrf2. <i>Archives of Toxicology</i> , 2013, 87, 2047-2050.	1.9	8
7	Recent developments in in vitro toxicology: perspectives of European research and Tox21. <i>Archives of Toxicology</i> , 2013, 87, 2043-2046.	1.9	7
8	Adiponectin Isoforms Differentially Affect Gene Expression and the Lipidome of Primary Human Hepatocytes. <i>Metabolites</i> , 2014, 4, 394-407.	1.3	13
9	Acetaminophen-induced Liver Injury: from Animal Models to Humans. <i>Journal of Clinical and Translational Hepatology</i> , 2014, 2, 153-61.	0.7	159
10	ESNATS Conference "The use of Human Embryonic Stem Cells for Novel Toxicity Testing Approaches. <i>ATLA Alternatives To Laboratory Animals</i> , 2014, 42, 97-113.	0.7	13
11	Human-based Systems in Drug and Chemical Safety Testing "toward Replacement, the "Single R"™. <i>ATLA Alternatives To Laboratory Animals</i> , 2014, 42, 357-366.	0.7	4
12	Zebrafish: A Marvel of High-Throughput Biology for 21st Century Toxicology. <i>Current Environmental Health Reports</i> , 2014, 1, 341-352.	3.2	80
13	Bioartificial livers in vitro and in vivo: tailoring biocomponents to the expanding variety of applications. <i>Expert Opinion on Biological Therapy</i> , 2014, 14, 1745-1760.	1.4	39
14	Standard compounds for establishment of in vitro test systems. <i>Archives of Toxicology</i> , 2014, 88, 2083-2084.	1.9	7
15	Toxicogenomics directory of chemically exposed human hepatocytes. <i>Archives of Toxicology</i> , 2014, 88, 2261-2287.	1.9	143
16	Hepatic toxicology following single and multiple exposure of engineered nanomaterials utilising a novel primary human 3D liver microtissue model. <i>Particle and Fibre Toxicology</i> , 2014, 11, 56.	2.8	70
17	Current research on cell death mechanisms. <i>Archives of Toxicology</i> , 2014, 88, 2079-2082.	1.9	2
18	PPO/PEO modified hollow fiber membranes improved sensitivity of 3D cultured hepatocytes to drug toxicity via suppressing drug adsorption on membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 762-769.	2.5	5

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19	A New Human 3D-Liver Model Unravels the Role of Galectins in Liver Infection by the Parasite <i>Entamoeba histolytica</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004381.	2.1	32
20	State-of-the-art of 3D cultures (organs-on-a-chip) in safety testing and pathophysiology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014, 31, 441-477.	0.9	166
21	A reflection on fit-for-purpose metabolite investigation at different stages of drug development. <i>Bioanalysis</i> , 2014, 6, 591-594.	0.6	0
22	In Vitro Systems for Hepatotoxicity Testing. <i>Methods in Pharmacology and Toxicology</i> , 2014, , 27-44.	0.1	2
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25	Insulin resistance in the liver: Deficiency or excess of insulin?. <i>Cell Cycle</i> , 2014, 13, 2494-2500.	1.3	46
26	In vitro systems: current limitations and future perspectives. <i>Archives of Toxicology</i> , 2014, 88, 2085-2087.	1.9	12
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38	Bioreactor technologies to support liver function in vitro. <i>Advanced Drug Delivery Reviews</i> , 2014, 69-70, 132-157.	6.6	116
39	Human Induced Pluripotent Stem Cells in Hepatology. <i>American Journal of Pathology</i> , 2014, 184, 332-347.	1.9	59
40	Progress in "body-on-a-chip"™ research. <i>Archives of Toxicology</i> , 2014, 88, 1913-1914.	1.9	5
41	Quantitative High Content Imaging of Cellular Adaptive Stress Response Pathways in Toxicity for Chemical Safety Assessment. <i>Chemical Research in Toxicology</i> , 2014, 27, 338-355.	1.7	76
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50	A microphysiological system model of therapy for liver micrometastases. <i>Experimental Biology and Medicine</i> , 2014, 239, 1170-1179.	1.1	48
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61	Highlight report: reporter cell lines for prediction of skin sensitization. <i>Archives of Toxicology</i> , 2015, 89, 2473-2474.	1.9	0
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82	Highlight report: toxicology of copper. Archives of Toxicology, 2015, 89, 2471-2472.	1.9	8
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