Impact of cell types and culture methods on the functio review of cell systems for hepatotoxicity assessment

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Citation Report

#	Article	IF	Citations
1	Engineered Liver-on-a-Chip Platform to Mimic Liver Functions and Its Biomedical Applications: A Review. Micromachines, 2019, 10, 676.	2.9	144
2	Preparation of Primary Rat Hepatocyte Spheroids Utilizing the Liquidâ€Overlay Technique. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2019, 81, e87.	1.1	7
3	In silico-guided optimisation of oxygen gradients in hepatic spheroids. Computational Toxicology, 2019, 12, 100093.	3.3	7
4	Performance of Threeâ€Dimensional Rainbow Trout (Oncorhynchus mykiss) Hepatocyte Spheroids for Evaluating Biotransformation of Pyrene. Environmental Toxicology and Chemistry, 2019, 38, 1738-1747.	4.3	7
5	Mathematical modelling of a liver hollow fibre bioreactor. Journal of Theoretical Biology, 2019, 475, 25-33.	1.7	4
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7	A cell lines derived microfluidic liver model for investigation of hepatotoxicity induced by drug-drug interaction. Biomicrofluidics, 2019, 13, 024101.	2.4	52
8	The comet assay applied to HepG2 liver spheroids. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 845, 403033.	1.7	41
9	Attenuation of doxorubicin-induced cardiotoxicity in a human in vitro cardiac model by the induction of the NRF-2 pathway. Biomedicine and Pharmacotherapy, 2019, 112, 108637.	5.6	16
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14	Genetic toxicity assessment using liver cell models: past, present, and future. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2020, 23, 27-50.	6.5	37
15	Utility of Three-Dimensional Cultures of Primary Human Hepatocytes (Spheroids) as Pharmacokinetic Models. Biomedicines, 2020, 8, 374.	3.2	19
16	Characterization of In Vitro 3D Cell Model Developed from Human Hepatocellular Carcinoma (HepG2) Cell Line. Cells, 2020, 9, 2557.	4.1	20
17	Ultrastructural Features of Gold Nanoparticles Interaction with HepG2 and HEK293 Cells in Monolayer and Spheroids. Nanomaterials, 2020, 10, 2040.	4.1	7
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19	Gadolinium labelled nanoliposomes as the platform for MRI theranostics: in vitro safety study in liver cells and macrophages. Scientific Reports, 2020, 10, 4780.	3.3	15
20	Hepato(Geno)Toxicity Assessment of Nanoparticles in a HepG2 Liver Spheroid Model. Nanomaterials, 2020, 10, 545.	4.1	55
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23	In Vitro Threeâ€Đimensional Liver Models for Nanomaterial DNA Damage Assessment. Small, 2021, 17, e2006055.	10.0	17
24	Mathematical modelling of oxygen gradients in stem cell-derived liver tissue. PLoS ONE, 2021, 16, e0244070.	2.5	9
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