Stefan Hoehme

List of Publications by Citations

26	1,781	13	29
papers	citations	h-index	g-index
29	2,275	5.3	3.94
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
26	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. *Archives of Toxicology*, **2013**, 87, 1315-530	5.8	837
25	Prediction and validation of cell alignment along microvessels as order principle to restore tissue architecture in liver regeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 10371-6	11.5	226
24	On the Role of Physics in the Growth and Pattern Formation of Multi-Cellular Systems: What can we Learn from Individual-Cell Based Models?. *Journal of Statistical Physics*, **2007**, 128, 287-345	1.5	134
23	A cell-based simulation software for multi-cellular systems. *Bioinformatics*, **2010**, 26, 2641-2	7.2	116
22	Protocols for staining of bile canalicular and sinusoidal networks of human, mouse and pig livers, three-dimensional reconstruction and quantification of tissue microarchitecture by image processing and analysis. *Archives of Toxicology*, **2014**, 88, 1161-83	5.8	75
21	Integrated metabolic spatial-temporal model for the prediction of ammonia detoxification during liver damage and regeneration. *Hepatology*, **2014**, 60, 2040-51	11.2	69
20	Model-guided identification of a therapeutic strategy to reduce hyperammonemia in liver diseases. *Journal of Hepatology*, **2016**, 64, 860-71	13.4	58
19	How predictive quantitative modelling of tissue organisation can inform liver disease pathogenesis. *Journal of Hepatology*, **2014**, 61, 951-6	13.4	38
18	Phenotype and growth behavior of residual ß-catenin-positive hepatocytes in livers of ß-catenin-deficient mice. *Histochemistry and Cell Biology*, **2010**, 134, 469-81	2.4	33
17	Modeling the impact of granular embedding media, and pulling versus pushing cells on growing cell clones. *New Journal of Physics*, **2012**, 14, 055025	2.9	28
16	TiQuant: software for tissue analysis, quantification and surface reconstruction. *Bioinformatics*, **2015**, 31, 3234-6	7.2	26
15	Quantitative analysis of hepatic macro- and microvascular alterations during cirrhogenesis in the rat. *Journal of Anatomy*, **2018**, 232, 485-496	2.9	14
14	Biomechanical and Nutrient Controls in the Growth of Mammalian Cell Populations. *Mathematical Population Studies*, **2010**, 17, 166-187	0.8	13
13	A quantitative high-resolution computational mechanics cell model for growing and regenerating tissues. *Biomechanics and Modeling in Mechanobiology*, **2020**, 19, 189-220	3.8	13
12	Intravital Dynamic and Correlative Imaging of Mouse Livers Reveals Diffusion-Dominated Canalicular and Flow-Augmented Ductular Bile Flux. *Hepatology*, **2021**, 73, 1531-1550	11.2	12
11	Model Prediction and Validation of an Order Mechanism Controlling the Spatiotemporal Phenotype of Early Hepatocellular Carcinoma. *Bulletin of Mathematical Biology*, **2018**, 80, 1134-1171	2.1	10
10	Creation of Three-Dimensional Liver Tissue Models from Experimental Images for Systems Medicine. *Methods in Molecular Biology*, **2017**, 1506, 319-362	1.4	10

LIST OF PUBLICATIONS

9	MultiCellDS: a community-developed standard for curating microenvironment-dependent multicellular data		8
8	Mutual Zonated Interactions of Wnt and Hh Signaling Are Orchestrating the Metabolism of the Adult Liver in Mice and Human. *Cell Reports*, **2019**, 29, 4553-4567.e7	10.6	8
7	MultiCellDS: a standard and a community for sharing multicellular data		7
6	Macrophage Transactivation for Chemokine Production Identified as a Negative Regulator of Granulomatous Inflammation Using Agent-Based Modeling. *Frontiers in Immunology*, **2018**, 9, 637	8.4	5
5	Shape characterization of extracted and simulated tumor samples using topological and geometric measures. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2007**, 2007, 6272-8		5
4	Cell-Based Models of Avascular Tumor Growth **2004**, 367-378		4
3	Subcellular spatio-temporal intravital kinetics of aflatoxin B and ochratoxin A in liver and kidney. *Archives of Toxicology*, **2021**, 95, 2163-2177	5.8	3
2	Transcriptomic Cross-Species Analysis of Chronic Liver Disease Reveals Consistent Regulation Between Humans and Mice. *Hepatology Communications*, **2021**,	6	2
1	Spatio-Temporal Multiscale Analysis of Western Diet-Fed Mice Reveals a Translationally Relevant Sequence of Events during NAFLD Progression. *Cells*, **2021**, 10,	7.9	1