

Stefan Hoehme

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.

26
papers

1,781
citations

13
h-index

29
g-index

29
ext. papers

2,275
ext. citations

5.3
avg, IF

3.94
L-index

#	Paper	IF	Citations
26	Subcellular spatio-temporal intravital kinetics of aflatoxin B and ochratoxin A in liver and kidney. <i>Archives of Toxicology</i> , 2021 , 95, 2163-2177	5.8	3
25	Intravital Dynamic and Correlative Imaging of Mouse Livers Reveals Diffusion-Dominated Canalicular and Flow-Augmented Ductular Bile Flux. <i>Hepatology</i> , 2021 , 73, 1531-1550	11.2	12
24	Transcriptomic Cross-Species Analysis of Chronic Liver Disease Reveals Consistent Regulation Between Humans and Mice. <i>Hepatology Communications</i> , 2021 ,	6	2
23	Spatio-Temporal Multiscale Analysis of Western Diet-Fed Mice Reveals a Translationally Relevant Sequence of Events during NAFLD Progression. <i>Cells</i> , 2021 , 10,	7.9	1
22	A quantitative high-resolution computational mechanics cell model for growing and regenerating tissues. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020 , 19, 189-220	3.8	13
21	Mutual Zonated Interactions of Wnt and Hh Signaling Are Orchestrating the Metabolism of the Adult Liver in Mice and Human. <i>Cell Reports</i> , 2019 , 29, 4553-4567.e7	10.6	8
20	Model Prediction and Validation of an Order Mechanism Controlling the Spatiotemporal Phenotype of Early Hepatocellular Carcinoma. <i>Bulletin of Mathematical Biology</i> , 2018 , 80, 1134-1171	2.1	10
19	Macrophage Transactivation for Chemokine Production Identified as a Negative Regulator of Granulomatous Inflammation Using Agent-Based Modeling. <i>Frontiers in Immunology</i> , 2018 , 9, 637	8.4	5
18	Quantitative analysis of hepatic macro- and microvascular alterations during cirrhogenesis in the rat. <i>Journal of Anatomy</i> , 2018 , 232, 485-496	2.9	14
17	Creation of Three-Dimensional Liver Tissue Models from Experimental Images for Systems Medicine. <i>Methods in Molecular Biology</i> , 2017 , 1506, 319-362	1.4	10
16	Model-guided identification of a therapeutic strategy to reduce hyperammonemia in liver diseases. <i>Journal of Hepatology</i> , 2016 , 64, 860-71	13.4	58
15	TiQuant: software for tissue analysis, quantification and surface reconstruction. <i>Bioinformatics</i> , 2015 , 31, 3234-6	7.2	26
14	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. <i>Archives of Toxicology</i> , 2014 , 88, 1161-83	5.8	75
13	How predictive quantitative modelling of tissue organisation can inform liver disease pathogenesis. <i>Journal of Hepatology</i> , 2014 , 61, 951-6	13.4	38
12	Integrated metabolic spatial-temporal model for the prediction of ammonia detoxification during liver damage and regeneration. <i>Hepatology</i> , 2014 , 60, 2040-51	11.2	69
11	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, 1315-530	5.8	837
10	Modeling the impact of granular embedding media, and pulling versus pushing cells on growing cell clones. <i>New Journal of Physics</i> , 2012 , 14, 055025	2.9	28

9	A cell-based simulation software for multi-cellular systems. <i>Bioinformatics</i> , 2010 , 26, 2641-2	7.2	116
8	Prediction and validation of cell alignment along microvessels as order principle to restore tissue architecture in liver regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10371-6	11.5	226
7	Biomechanical and Nutrient Controls in the Growth of Mammalian Cell Populations. <i>Mathematical Population Studies</i> , 2010 , 17, 166-187	0.8	13
6	Phenotype and growth behavior of residual E-cadherin-positive hepatocytes in livers of E-cadherin-deficient mice. <i>Histochemistry and Cell Biology</i> , 2010 , 134, 469-81	2.4	33
5	On the Role of Physics in the Growth and Pattern Formation of Multi-Cellular Systems: What can we Learn from Individual-Cell Based Models?. <i>Journal of Statistical Physics</i> , 2007 , 128, 287-345	1.5	134
4	Shape characterization of extracted and simulated tumor samples using topological and geometric measures. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 6272-8		5
3	Cell-Based Models of Avascular Tumor Growth 2004 , 367-378		4
2	MultiCellDS: a community-developed standard for curating microenvironment-dependent multicellular data		8
1	MultiCellDS: a standard and a community for sharing multicellular data		7