

Stefan Hoehme

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,591
citations

471509

17
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

3173
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1315-1530.	4.2	1,089
2	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, 10371-10376.	7.1	338
3	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.	1.2	161
4	A cell-based simulation software for multi-cellular systems. Bioinformatics, 2010, 26, 2641-2642.	4.1	146
5	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, 1161-1183.	4.2	129
6	Model-guided identification of a therapeutic strategy to reduce hyperammonemia in liver diseases. Journal of Hepatology, 2016, 64, 860-871.	3.7	110
7	Integrated metabolic spatial-temporal model for the prediction of ammonia detoxification during liver damage and regeneration. Hepatology, 2014, 60, 2040-2051.	7.3	109
8	How predictive quantitative modelling of tissue organisation can inform liver disease pathogenesis. Journal of Hepatology, 2014, 61, 951-956.	3.7	64
9	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	41
10	The virtual liver: state of the art and future perspectives. Archives of Toxicology, 2014, 88, 2071-2075.	4.2	41
11	TiQuant: software for tissue analysis, quantification and surface reconstruction. Bioinformatics, 2015, 31, 3234-3236.	4.1	39
12	Phenotype and growth behavior of residual β -catenin-positive hepatocytes in livers of β -catenin-deficient mice. Histochemistry and Cell Biology, 2010, 134, 469-481.	1.7	37
13	A quantitative high-resolution computational mechanics cell model for growing and regenerating tissues. Biomechanics and Modeling in Mechanobiology, 2020, 19, 189-220.	2.8	36
14	Interruption of bile acid uptake by hepatocytes after acetaminophen overdose ameliorates hepatotoxicity. Journal of Hepatology, 2022, 77, 71-83.	3.7	31
15	Intravital Dynamic and Correlative Imaging of Mouse Livers Reveals Diffusion-Dominated Canalicular and Flow-Augmented Ductular Bile Flux. Hepatology, 2021, 73, 1531-1550.	7.3	29
16	Transcriptomic Cross-Species Analysis of Chronic Liver Disease Reveals Consistent Regulation Between Humans and Mice. Hepatology Communications, 2022, 6, 161-177.	4.3	24
17	Spatio-Temporal Multiscale Analysis of Western Diet-Fed Mice Reveals a Translationally Relevant Sequence of Events during NAFLD Progression. Cells, 2021, 10, 2516.	4.1	24
18	Model Prediction and Validation of an Order Mechanism Controlling the Spatiotemporal Phenotype of Early Hepatocellular Carcinoma. Bulletin of Mathematical Biology, 2018, 80, 1134-1171.	1.9	21

#	ARTICLE	IF	CITATIONS
19	Creation of Three-Dimensional Liver Tissue Models from Experimental Images for Systems Medicine. <i>Methods in Molecular Biology</i> , 2017, 1506, 319-362.	0.9	19
20	Biomechanical and Nutrient Controls in the Growth of Mammalian Cell Populations. <i>Mathematical Population Studies</i> , 2010, 17, 166-187.	2.2	17
21	Quantitative analysis of hepatic macro- and microvascular alterations during cirrhogenesis in the rat. <i>Journal of Anatomy</i> , 2018, 232, 485-496.	1.5	17
22	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.	6.4	15
23	Subcellular spatio-temporal intravital kinetics of aflatoxin B1 and ochratoxin A in liver and kidney. <i>Archives of Toxicology</i> , 2021, 95, 2163-2177.	4.2	15
24	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.	0.5	7
25	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.	4.8	6
26	Cell-Based Models of Avascular Tumor Growth. , 2004, , 367-378.		5
27	Modeling of Liver Regeneration. , 2013, , 1421-1424.		0