Lars Ole Schwen

List of Publications by Citations

25	336	11	18
papers	citations	h-index	g-index
26	442	3.5	3.13
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
25	GPU-Accelerated Sparse Matrix-Matrix Multiplication by Iterative Row Merging. *SIAM Journal of Scientific Computing*, **2015**, 37, C54-C71	2.6	44
24	Spatio-temporal simulation of first pass drug perfusion in the liver. *PLoS Computational Biology*, **2014**, 10, e1003499	5	35
23	Composite finite elements for 3D image based computing. *Computing and Visualization in Science*, **2009**, 12, 171-188	1	34
22	Representative Sinusoids for Hepatic Four-Scale Pharmacokinetics Simulations. *PLoS ONE*, **2015**, 10, e0133653	3.7	31
21	Analysis and algorithmic generation of hepatic vascular systems. *International Journal of Hepatology*, **2012**, 2012, 357687	2.7	30
20	Zonated quantification of steatosis in an entire mouse liver. *Computers in Biology and Medicine*, **2016**, 73, 108-18	7	26
19	Physiologically-based modelling in mice suggests an aggravated loss of clearance capacity after toxic liver damage. *Scientific Reports*, **2017**, 7, 6224	4.9	23
18	3D Composite Finite Elements for Elliptic Boundary Value Problems with Discontinuous Coefficients. *SIAM Journal of Scientific Computing*, **2011**, 33, 2115-2143	2.6	19
17	Intrahepatic Vascular Anatomy in Rats and Mice--Variations and Surgical Implications. *PLoS ONE*, **2015**, 10, e0141798	3.7	18
16	Computational Modeling in Liver Surgery. *Frontiers in Physiology*, **2017**, 8, 906	4.6	16
15	Data-Driven Discovery of Immune Contexture Biomarkers. *Frontiers in Oncology*, **2018**, 8, 627	5.3	15
14	Algorithmically generated rodent hepatic vascular trees in arbitrary detail. *Journal of Theoretical Biology*, **2015**, 365, 289-300	2.3	11
13	Quantification of Hepatic Vascular and Parenchymal Regeneration in Mice. *PLoS ONE*, **2016**, 11, e0160584	3.7	8
12	Statistical osteoporosis models using composite finite elements: a parameter study. *Journal of Biomechanics*, **2009**, 42, 2205-9	2.9	7
11	Modeling approaches for hepatic spatial heterogeneity in pharmacokinetic simulations. *Drug Discovery Today: Disease Models*, **2016**, 22, 35-43	1.3	3
10	Visualization of Vascular and Parenchymal Regeneration after 70% Partial Hepatectomy in Normal Mice. *Journal of Visualized Experiments*, **2016**,	1.6	3
9	Validation of composite finite elements efficiently simulating elasticity of trabecular bone. *Computer Methods in Biomechanics and Biomedical Engineering*, **2014**, 17, 652-60	2.1	3

List of Publications

8	Artificial Intelligence in Pathology: From Prototype to Product. *Journal of Pathology Informatics*, **2021**, 12, 13	4.4	2
7	Focused scores enable reliable discrimination of small differences in steatosis. *Diagnostic Pathology* , **2018**, 13, 76	3	2
6	Evaluation of a numerical simulation for cryoablation - comparison with bench data, clinical kidney and lung cases. *International Journal of Hyperthermia*, **2020**, 37, 1268-1278	3.7	1
5	Efficient GPU-Based Numerical Simulation of Cryoablation of the Kidney **2020**, 171-193		1
4	Evaluating generic AutoML tools for computational pathology. *Informatics in Medicine Unlocked*, **2022**, 29, 100853	5.3	0
3	Ten simple rules for typographically appealing scientific texts. *PLoS Computational Biology*, **2020**, 16, e1008458	5	
2	Some Use Cases for Composite Finite Elements in Image Based Computing **2016**, 117-129		
1	Automated Detection of Portal Fields and Central Veins in Whole-Slide Images of Liver Tissue.. *Journal of Pathology Informatics*, **2022**, 13, 100001	4.4	