

Lars Ole Schwen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7274390/publications.pdf>

Version: 2024-02-01

26
papers

517
citations

686830

13
h-index

676716

22
g-index

26
all docs

26
docs citations

26
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	GPU-Accelerated Sparse Matrix-Matrix Multiplication by Iterative Row Merging. <i>SIAM Journal of Scientific Computing</i> , 2015, 37, C54-C71.	1.3	59
2	Physiologically-based modelling in mice suggests an aggravated loss of clearance capacity after toxic liver damage. <i>Scientific Reports</i> , 2017, 7, 6224.	1.6	57
3	Representative Sinusoids for Hepatic Four-Scale Pharmacokinetics Simulations. <i>PLoS ONE</i> , 2015, 10, e0133653.	1.1	47
4	Composite finite elements for 3D image based computing. <i>Computing and Visualization in Science</i> , 2009, 12, 171-188.	1.2	42
5	Spatio-Temporal Simulation of First Pass Drug Perfusion in the Liver. <i>PLoS Computational Biology</i> , 2014, 10, e1003499.	1.5	41
6	Zonated quantification of steatosis in an entire mouse liver. <i>Computers in Biology and Medicine</i> , 2016, 73, 108-118.	3.9	39
7	Analysis and Algorithmic Generation of Hepatic Vascular Systems. <i>International Journal of Hepatology</i> , 2012, 2012, 1-17.	0.4	36
8	Data-Driven Discovery of Immune Contexture Biomarkers. <i>Frontiers in Oncology</i> , 2018, 8, 627.	1.3	29
9	Computational Modeling in Liver Surgery. <i>Frontiers in Physiology</i> , 2017, 8, 906.	1.3	27
10	3D Composite Finite Elements for Elliptic Boundary Value Problems with Discontinuous Coefficients. <i>SIAM Journal of Scientific Computing</i> , 2011, 33, 2115-2143.	1.3	23
11	Intrahepatic Vascular Anatomy in Rats and Mice – Variations and Surgical Implications. <i>PLoS ONE</i> , 2015, 10, e0141798.	1.1	23
12	Artificial Intelligence in Pathology: From Prototype to Product. <i>Journal of Pathology Informatics</i> , 2021, 12, 13.	0.8	20
13	Quantification of Hepatic Vascular and Parenchymal Regeneration in Mice. <i>PLoS ONE</i> , 2016, 11, e0160581.	1.1	15
14	Algorithmically generated rodent hepatic vascular trees in arbitrary detail. <i>Journal of Theoretical Biology</i> , 2015, 365, 289-300.	0.8	13
15	Evaluation of a numerical simulation for cryoablation – comparison with bench data, clinical kidney and lung cases. <i>International Journal of Hyperthermia</i> , 2020, 37, 1268-1278.	1.1	8
16	Statistical osteoporosis models using composite finite elements: A parameter study. <i>Journal of Biomechanics</i> , 2009, 42, 2205-2209.	0.9	7
17	Focused scores enable reliable discrimination of small differences in steatosis. <i>Diagnostic Pathology</i> , 2018, 13, 76.	0.9	7
18	Modeling approaches for hepatic spatial heterogeneity in pharmacokinetic simulations. <i>Drug Discovery Today: Disease Models</i> , 2016, 22, 35-43.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Ten quick tips for getting the most scientific value out of numerical data. PLoS Computational Biology, 2018, 14, e1006141.	1.5	5
20	Evaluating generic AutoML tools for computational pathology. Informatics in Medicine Unlocked, 2022, 29, 100853.	1.9	5
21	Validation of composite finite elements efficiently simulating elasticity of trabecular bone. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 652-660.	0.9	3
22	Visualization of Vascular and Parenchymal Regeneration after 70% Partial Hepatectomy in Normal Mice. Journal of Visualized Experiments, 2016, , .	0.2	3
23	Efficient GPU-Based Numerical Simulation of Cryoablation of the Kidney. , 2020, , 171-193.		1
24	Automated Detection of Portal Fields and Central Veins in Whole-Slide Images of Liver Tissue. Journal of Pathology Informatics, 2022, 13, 100001.	0.8	1
25	Some Use Cases for Composite Finite Elements in Image Based Computing. , 2016, , 117-129.		0
26	Ten simple rules for typographically appealing scientific texts. PLoS Computational Biology, 2020, 16, e1008458.	1.5	0