Jonathan Passerat-Palmbach

List of Publications by Year
in descending order

35 papers	1,346 citations	686830 13 h-index	610482 24 g-index
39 all docs	39 docs citations	39 times ranked	1485 citing authors

#	Article	IF	Citations
1	Zen and the art of model adaptation: Low-utility-cost attack mitigations in collaborative machine learning. Proceedings on Privacy Enhancing Technologies, 2022, 2022, 274-290.	2.3	4
2	Artificial Intelligence in Medicine and Privacy Preservation. , 2022, , 145-158.		0
3	Neonatal multi-modal cortical profiles predict 18-month developmental outcomes. Developmental Cognitive Neuroscience, 2022, 54, 101103.	1.9	11
4	The Developing Human Connectome Project Neonatal Data Release. Frontiers in Neuroscience, 2022, 16, .	1.4	42
5	Artificial Intelligence in Medicine and Privacy Preservation. , 2021, , 1-14.		1
6	End-to-end privacy preserving deep learning on multi-institutional medical imaging. Nature Machine Intelligence, 2021, 3, 473-484.	8.3	157
7	Adversarial interference and its mitigations in privacy-preserving collaborative machine learning. Nature Machine Intelligence, 2021, 3, 749-758.	8.3	26
8	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants. NeuroImage, 2020, 223, 117303.	2.1	81
9	Blockchain-orchestrated machine learning for privacy preserving federated learning in electronic health data. , 2020, , .		29
10	Development of Microstructural and Morphological Cortical Profiles in the Neonatal Brain. Cerebral Cortex, 2020, 30, 5767-5779.	1.6	42
11	Cortical morphology at birth reflects spatiotemporal patterns of gene expression in the fetal human brain. PLoS Biology, 2020, 18, e3000976.	2.6	38
12	Learning-Based Quality Control for Cardiac MR Images. IEEE Transactions on Medical Imaging, 2019, 38, 1127-1138.	5.4	42
13	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. NeuroImage, 2018, 173, 88-112.	2.1	315
14	Multi-Atlas Segmentation Using Partially Annotated Data: Methods and Annotation Strategies. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1683-1696.	9.7	8
15	Automatic View Planning with Multi-scale Deep Reinforcement Learning Agents. Lecture Notes in Computer Science, 2018, , 277-285.	1.0	27
16	DeepCut: Object Segmentation From Bounding Box Annotations Using Convolutional Neural Networks. IEEE Transactions on Medical Imaging, 2017, 36, 674-683.	5.4	260
17	Reproducible Large-Scale Neuroimaging Studies with the OpenMOLE Workflow Management System. Frontiers in Neuroinformatics, 2017, 11, 21.	1.3	5
18	Learning-Based Heart Coverage Estimation for Short-Axis Cine Cardiac MR Images. Lecture Notes in Computer Science, 2017, , 73-82.	1.0	3

#	Article	IF	Citations
19	Group-wise parcellation of the cortex through multi-scale spectral clustering. NeuroImage, 2016, 136, 68-83.	2.1	38
20	Harnessing aspect-oriented programming on GPU: application to warp-level parallelism. International Journal of Computer Aided Engineering and Technology, 2015, 7, 158.	0.1	1
21	TaskLocalRandom: a statistically sound substitute to pseudorandom number generation in parallel java tasks frameworks. Concurrency Computation Practice and Experience, 2015, 27, 3383-3398.	1.4	2
22	Model exploration using OpenMOLE a workflow engine for large scale distributed design of experiments and parameter tuning. , 2015, , .		2
23	Multi-atlas Segmentation as a Graph Labelling Problem: Application to Partially Annotated Atlas Data. Lecture Notes in Computer Science, 2015, 24, 221-232.	1.0	13
24	Tractography-Driven Groupwise Multi-scale Parcellation of the Cortex. Lecture Notes in Computer Science, 2015, 24, 600-612.	1.0	19
25	A Continuous Flow-Maximisation Approach to Connectivity-Driven Cortical Parcellation. Lecture Notes in Computer Science, 2015, , 165-172.	1.0	1
26	Prototyping parallel simulations on manycore architectures using Scala: A case study. , 2013, , .		0
27	Parallel stepwise stochastic simulation. , 2013, , .		0
28	Distribution of random streams for simulation practitioners. Concurrency Computation Practice and Experience, 2013, 25, 1427-1442.	1.4	18
29	Pseudo-random streams for distributed and parallel stochastic simulations on GP-GPU. Journal of Simulation, 2012, 6, 141-151.	1.0	6
30	ThreadLocalMRG32k3a: A statistically sound substitute to pseudorandom number generation in parallel Java applications. , 2012, , .		2
31	HPCS 2012 tutorials: Tutorial I: High performance computing in biomedical informatics. , 2012, , .		0
32	How to correctly deal with pseudorandom numbers in manycore environments: Application to GPU programming with Shoverand. , 2012, , .		0
33	Parallel stochastic simulations with rigorous distribution of pseudoâ€random numbers with DistMe: Application to life science simulations. Concurrency Computation Practice and Experience, 2012, 24, 723-738.	1.4	8
34	ShoveRand: A model-driven framework to easily generate random numbers on GP-GPU. , 2011, , .		4
35	Pseudo-Random Number Generation on GP-GPU. , 2011, , .		13