

Leonard Schmiester

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

350
citations

1307594

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1199594

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g-index

19
all docs

19
docs citations

19
times ranked

503
citing authors

#	ARTICLE	IF	CITATIONS
1	Mini-batch optimization enables training of ODE models on large-scale datasets. Nature Communications, 2022, 13, 34.	12.8	8
2	PEtab – Interoperable specification of parameter estimation problems in systems biology. PLoS Computational Biology, 2021, 17, e1008646.	3.2	55
3	Benchmarking of numerical integration methods for ODE models of biological systems. Scientific Reports, 2021, 11, 2696.	3.3	28
4	Efficient gradient-based parameter estimation for dynamic models using qualitative data. Bioinformatics, 2021, 37, 4493-4500.	4.1	6
5	Cell-to-cell variability in JAK2/STAT5 pathway components and cytoplasmic volumes defines survival threshold in erythroid progenitor cells. Cell Reports, 2021, 36, 109507.	6.4	10
6	COVID19 Disease Map, a computational knowledge repository of virus – host interaction mechanisms. Molecular Systems Biology, 2021, 17, e10387.	7.2	53
7	Efficient parameterization of large-scale dynamic models based on relative measurements. Bioinformatics, 2020, 36, 594-602.	4.1	32
8	Parameterization of mechanistic models from qualitative data using an efficient optimal scaling approach. Journal of Mathematical Biology, 2020, 81, 603-623.	1.9	8
9	Efficient computation of steady states in large-scale ODE models of biochemical reaction networks. IFAC-PapersOnLine, 2019, 52, 32-37.	0.9	4
10	Efficient Parameter Estimation Enables the Prediction of Drug Response Using a Mechanistic Pan-Cancer Pathway Model. Cell Systems, 2018, 7, 567-579.e6.	6.2	99
11	Direct Image Reconstruction of Lissajous-Type Magnetic Particle Imaging Data Using Chebyshev-Based Matrix Compression. IEEE Transactions on Computational Imaging, 2017, 3, 671-681.	4.4	18