Nikolaj Zimic

List of Publications by Year
in descending order

15	85	1684188 5	1474206 9
papers	citations	h-index	g-index

16	16	16	121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integration of omics data to generate and analyse COVID-19 specific genome-scale metabolic models. Computers in Biology and Medicine, 2022, 145, 105428.	7.0	5
2	Field-programmable biological circuits and configurable (bio)logic blocks for distributed biological computing. Computers in Biology and Medicine, 2021, 128, 104109.	7.0	2
3	Distributed biological computation: from oscillators, logic gates and switches to a multicellular processor and neural computing applications. Neural Computing and Applications, 2021, 33, 8923-8938.	5.6	6
4	Computational analysis of viable parameter regions in models of synthetic biological systems. Journal of Biological Engineering, 2019, 13, 75.	4.7	12
5	Grohar: Automated Visualization of Genome-Scale Metabolic Models and Their Pathways. Journal of Computational Biology, 2018, 25, 505-508.	1.6	2
6	Initial state perturbations as a validation method for data-driven fuzzy models of cellular networks. BMC Bioinformatics, 2018, 19, 333.	2.6	1
7	Semi-quantitative Modelling of Gene Regulatory Processes with Unknown Parameter Values Using Fuzzy Logic and Petri Nets. Fundamenta Informaticae, 2018, 160, 81-100.	0.4	7
8	Computational modelling of genome-scale metabolic networks and its application to CHO cell cultures. Computers in Biology and Medicine, 2017, 88, 150-160.	7.0	24
9	Computational Framework for Modeling Multiple Noncooperative Transcription Factor Binding and Its Application to the Analysis of Nuclear Factor Kappa B Oscillatory Response. Journal of Computational Biology, 2016, 23, 923-933.	1.6	1
10	An adaptive genetic algorithm for parameter estimation of biological oscillator models to achieve target quantitative system response. Natural Computing, 2014, 13, 119-127.	3.0	7
11	The Ternary Quantum-dot Cellular Automata Memorizing Cell. , 2009, , .		9
12	Towards Multistate Nanocomputing: The Implementation of a Primitive Fuzzy Controller. , 2008, , .		0
13	Space complexity optimization for nano electronic devices based on evolutionary computation. , 2008, , .		0
14	Quantum-dot Field Programmable Gate Array: enhanced routing. , 2006, , .		2
15	Notes on fuzzy cellular automata. Journal of the Chinese Institute of Industrial Engineers, 2000, 17, 469-476.	0.5	6