

# Vo Hong Thanh

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

264  
citations

1039880

9  
h-index

996849

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of biochemical reactions with time-dependent rates by the rejection-based algorithm. <i>Journal of Chemical Physics</i> , 2015, 143, 054104.	1.2	43
2	Efficient rejection-based simulation of biochemical reactions with stochastic noise and delays. <i>Journal of Chemical Physics</i> , 2014, 141, 134116.	1.2	39
3	Simulation Algorithms for Computational Systems Biology. <i>Texts in Theoretical Computer Science</i> , 2017, , .	0.5	29
4	HRSSA – Efficient hybrid stochastic simulation for spatially homogeneous biochemical reaction networks. <i>Journal of Computational Physics</i> , 2016, 317, 301-317.	1.9	26
5	On the rejection-based algorithm for simulation and analysis of large-scale reaction networks. <i>Journal of Chemical Physics</i> , 2015, 142, 244106.	1.2	25
6	Efficient Constant-Time Complexity Algorithm for Stochastic Simulation of Large Reaction Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2017, 14, 657-667.	1.9	20
7	Adaptive tree-based search for stochastic simulation algorithm. <i>International Journal of Computational Biology and Drug Design</i> , 2014, 7, 341.	0.3	17
8	Efficient stochastic simulation of biochemical reactions with noise and delays. <i>Journal of Chemical Physics</i> , 2017, 146, 084107.	1.2	14
9	Tree-based search for stochastic simulation algorithm. , 2012, , .		11
10	Accelerating rejection-based simulation of biochemical reactions with bounded acceptance probability. <i>Journal of Chemical Physics</i> , 2016, 144, 224108.	1.2	10
11	Incorporating extrinsic noise into the stochastic simulation of biochemical reactions: A comparison of approaches. <i>Journal of Chemical Physics</i> , 2018, 148, 064111.	1.2	8
12	A comparison of deterministic and stochastic approaches for sensitivity analysis in computational systems biology. <i>Briefings in Bioinformatics</i> , 2020, 21, 527-540.	3.2	7
13	A Critical Comparison of Rejection-Based Algorithms for Simulation of Large Biochemical Reaction Networks. <i>Bulletin of Mathematical Biology</i> , 2019, 81, 3053-3073.	0.9	6
14	Stochastic simulation of biochemical reactions with partial-propensity and rejection-based approaches. <i>Mathematical Biosciences</i> , 2017, 292, 67-75.	0.9	4
15	Efficient finite-difference method for computing sensitivities of biochemical reactions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20180303.	1.0	3
16	Cotranscriptional Kinetic Folding of RNA Secondary Structures Including Pseudoknots. <i>Journal of Computational Biology</i> , 2021, 28, 892-908.	0.8	2
17	Simulation of Mixed Traffic Flow within Intersection. , 2010, , .		0
18	Efficient formulation of the rejection-based algorithm for biochemical reactions with delays. <i>International Journal of Bioinformatics Research and Applications</i> , 2019, 15, 159.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Efficient anticorrelated variance reduction for stochastic simulation of biochemical reactions. IET Systems Biology, 2019, 13, 16-23.	0.8	0
20	RSSALib: a library for stochastic simulation of complex biochemical reactions. Bioinformatics, 2020, 36, 4825-4826.	1.8	0