

Roland Ewald

List of Publications by Year in descending order

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21
papers

372
citations

1307594

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1588992

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docs citations

21
times ranked

723
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatio-temporal Model of Endogenous ROS and Raft-Dependent WNT/Beta-Catenin Signaling Driving Cell Fate Commitment in Human Neural Progenitor Cells. PLoS Computational Biology, 2015, 11, e1004106.	3.2	49
2	SESSL. ACM Transactions on Modeling and Computer Simulation, 2014, 24, 1-25.	0.8	70
3	Composing Problem Solvers for Simulation Experimentation: A Case Study on Steady State Estimation. PLoS ONE, 2014, 9, e91948.	2.5	4
4	From standardized modeling formats to modeling languages and back — An exploration based on SBML and ML-Rules. , 2013, , .		2
5	A generic adaptive simulation algorithm for component-based simulation systems. , 2013, , .		6
6	Automatic Algorithm Selection for Complex Simulation Problems. , 2012, , .		9
7	Exploring the performance of spatial stochastic simulation algorithms. Journal of Computational Physics, 2011, 230, 2562-2574.	3.8	28
8	Flexible experimentation in the modeling and simulation framework JAMES II–implications for computational systems biology. Briefings in Bioinformatics, 2010, 11, 290-300.	6.5	36
9	Selecting Simulation Algorithm Portfolios by Genetic Algorithms. , 2010, , .		4
10	Enhancing the Scalability of Simulations by Embracing Multiple Levels of Parallelization. , 2010, , .		8
11	Probabilistic population projection with JAMES II. , 2009, , .		1
12	Automating the runtime performance evaluation of simulation algorithms. , 2009, , .		1
13	Data mining for simulation algorithm selection. , 2009, , .		6
14	Data access in distributed simulations of multi-agent systems. Journal of Systems and Software, 2008, 81, 2345-2360.	4.5	14
15	A Spatial Extension to the ĩ Calculus. Electronic Notes in Theoretical Computer Science, 2008, 194, 133-148.	0.9	48
16	A Grid-Inspired Mechanism for Coarse-Grained Experiment Execution. , 2008, , .		15
17	Parallel and Distributed Spatial Simulation of Chemical Reactions. , 2008, , .		19
18	One Modelling Formalism & Simulator Is Not Enough! A Perspective for Computational Biology Based on JamesAll. , 2008, , 123-138.		4

#	ARTICLE	IF	CITATIONS
19	A parallel and distributed discrete event approach for spatial cell-biological simulations. Performance Evaluation Review, 2008, 35, 22-31.	0.6	14
20	Combining micro and macro-modeling in DEVS for computational biology. , 2007, , .		24
21	Introducing Variable Ports and Multi-Couplings for Cell Biological Modeling in DEVS. , 2006, , .		10