Roland Ewald

List of Publications by Year
in descending order

21 papers	372 citations	1307594 7 h-index	1588992 8 g-index
21 all docs	21 docs citations	21 times ranked	723 citing authors

#	Article	IF	Citations
1	SESSL. ACM Transactions on Modeling and Computer Simulation, 2014, 24, 1-25.	0.8	70
2	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
3	A Spatial Extension to the Ï€ Calculus. Electronic Notes in Theoretical Computer Science, 2008, 194, 133-148.	0.9	48
4	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
5	Exploring the performance of spatial stochastic simulation algorithms. Journal of Computational Physics, 2011, 230, 2562-2574.	3.8	28
6	Combining micro and macro-modeling in DEVS for computational biology. , 2007, , .		24
7	Parallel and Distributed Spatial Simulation of Chemical Reactions. , 2008, , .		19
8	A Grid-Inspired Mechanism for Coarse-Grained Experiment Execution. , 2008, , .		15
9	Data access in distributed simulations of multi-agent systems. Journal of Systems and Software, 2008, 81, 2345-2360.	4.5	14
10	A parallel and distributed discrete event approach for spatial cell-biological simulations. Performance Evaluation Review, 2008, 35, 22-31.	0.6	14
11	Introducing Variable Ports and Multi-Couplings for Cell Biological Modeling in DEVS. , 2006, , .		10
12	Automatic Algorithm Selection for Complex Simulation Problems. , 2012, , .		9
13	Enhancing the Scalability of Simulations by Embracing Multiple Levels of Parallelization. , 2010, , .		8
14	A generic adaptive simulation algorithm for component-based simulation systems. , 2013, , .		6
15	Data mining for simulation algorithm selection. , 2009, , .		6
16	Selecting Simulation Algorithm Portfolios by Genetic Algorithms. , 2010, , .		4
17	One Modelling Formalism & Simulator Is Not Enough! A Perspective for Computational Biology Based on JamesÂII. , 2008, , 123-138.		4
18	Composing Problem Solvers for Simulation Experimentation: A Case Study on Steady State Estimation. PLoS ONE, 2014, 9, e91948.	2.5	4

#	Article	IF	Citations
19	From standardized modeling formats to modeling languages and back — An exploration based on SBML and ML-Rules. , 2013, , .		2
20	Probabilistic population projection with JAMES II. , 2009, , .		1
21	Automating the runtime performance evaluation of simulation algorithms. , 2009, , .		1