

Walter Fontana

List of Publications by Year in descending order

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Version: 2024-02-01

21
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556
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1163117

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22
all docs

22
docs citations

22
times ranked

945
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic Inference with Polymerizing Biochemical Circuits. <i>Entropy</i> , 2022, 24, 629.	2.2	2
2	Balancing Conservative and Disruptive Growth in the Voter Model. <i>Journal of Statistical Physics</i> , 2021, 183, 1.	1.2	0
3	Cayley Graphs of Semigroups Applied to Atom Tracking in Chemistry. <i>Journal of Computational Biology</i> , 2021, 28, 701-715.	1.6	0
4	Graph transformation for enzymatic mechanisms. <i>Bioinformatics</i> , 2021, 37, i392-i400.	4.1	5
5	Combinatorial protein-protein interactions on a polymerizing scaffold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2930-2937.	7.1	7
6	Random walker's view of networks whose growth it shapes. <i>Physical Review E</i> , 2019, 99, 062306.	2.1	2
7	Modeling random walkers on growing random networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 121117.	2.6	0
8	Compressibility of random walker trajectories on growing networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2028-2032.	2.1	3
9	RuleVis: Constructing Patterns and Rules for Rule-Based Models. , 2019, , .		2
10	The Kappa platform for rule-based modeling. <i>Bioinformatics</i> , 2018, 34, i583-i592.	4.1	83
11	Age-Dependence and Aging-Dependence: Neuronal Loss and Lifespan in a <i>C. elegans</i> Model of Parkinson's Disease. <i>Biology</i> , 2018, 7, 1.	2.8	30
12	Counterfactual Resimulation for Causal Analysis of Rule-Based Models. , 2018, , .		4
13	The temporal scaling of <i>Caenorhabditis elegans</i> ageing. <i>Nature</i> , 2016, 530, 103-107.	27.8	162
14	An Insulin-to-Insulin Regulatory Network Orchestrates Phenotypic Specificity in Development and Physiology. <i>PLoS Genetics</i> , 2014, 10, e1004225.	3.5	90
15	Regulated spatial organization and sensitivity of cytosolic protein oxidation in <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2014, 5, 5020.	12.8	34
16	Combinatorial Complexity and Compositional Drift in Protein Interaction Networks. <i>PLoS ONE</i> , 2012, 7, e32032.	2.5	42
17	Abstracting the Differential Semantics of Rule-Based Models: Exact and Automated Model Reduction. , 2010, , .		53
18	Systems biology, models, and concurrency. <i>ACM SIGPLAN Notices</i> , 2008, 43, 1-2.	0.2	14

#	ARTICLE	IF	CITATIONS
19	CHEMISTRY: Pulling Strings. Science, 2006, 314, 1552-1553.	12.6	12
20	A knowledge representation meta-model for rule-based modelling of signalling networks. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 204, 47-59.	0.8	8
21	Interactions between Causal Structures in Graph Rewriting Systems. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 286, 65-78.	0.8	2