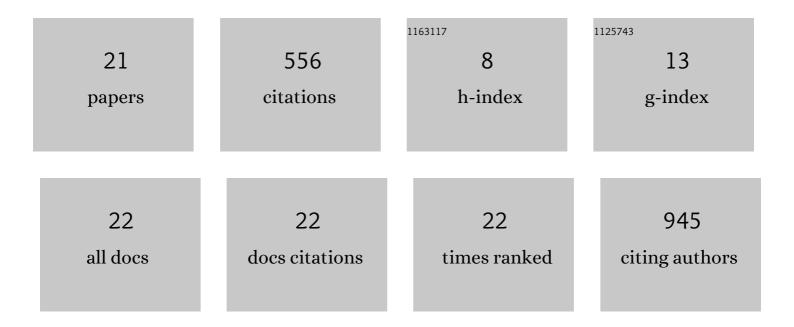
## Walter Fontana

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9126483/publications.pdf Version: 2024-02-01



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

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#	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