

Alberto Policriti

List of Publications by Year in descending order

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76
papers

5,974
citations

394421

19
h-index

128289

60
g-index

83
all docs

83
docs citations

83
times ranked

7929
citing authors

#	ARTICLE	IF	CITATIONS
1	Wheeler languages. <i>Information and Computation</i> , 2021, 281, 104820.	0.7	11
2	LZ77 Computation Based on the Run-Length Encoded BWT. <i>Algorithmica</i> , 2018, 80, 1986-2011.	1.3	27
3	Reasoning on Relations, Modalities, and Sets. <i>Outstanding Contributions To Logic</i> , 2018, , 129-168.	0.3	1
4	On Sets and Graphs. , 2017, , .		3
5	Set-syllogistics meet combinatorics. <i>Mathematical Structures in Computer Science</i> , 2017, 27, 296-310.	0.6	9
6	Sets, Graphs, and Set Universes. , 2017, , 59-97.		0
7	Random Generation of Sets. , 2017, , 201-216.		0
8	Graphs as Transitive Sets. , 2017, , 129-172.		0
9	Counting and Encoding Sets. , 2017, , 175-199.		0
10	Membership and Edge Relations. , 2017, , 31-58.		0
11	Infinite Sets and Finite Combinatorics. , 2017, , 217-250.		0
12	The Undirected Structure Underlying Sets. , 2017, , 101-127.		0
13	Fast, accurate, and lightweight analysis of BS-treated reads with ERNE 2. <i>BMC Bioinformatics</i> , 2016, 17, 69.	2.6	9
14	Banishing Ultrafilters from Our Consciousness. <i>Outstanding Contributions To Logic</i> , 2016, , 255-283.	0.3	1
15	Fast randomized approximate string matching with succinct hash data structures. <i>BMC Bioinformatics</i> , 2015, 16, S4.	2.6	5
16	Mapping Sets and Hypersets into Numbers. <i>Fundamenta Informaticae</i> , 2015, 140, 307-328.	0.4	8
17	Fast Online Lempel-Ziv Factorization in Compressed Space. <i>Lecture Notes in Computer Science</i> , 2015, , 13-20.	1.3	7
18	The high-quality draft genome of peach (<i>Prunus persica</i>) identifies unique patterns of genetic diversity, domestication and genome evolution. <i>Nature Genetics</i> , 2013, 45, 487-494.	21.4	1,031

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19	Well-quasi-ordering hereditarily finite sets. <i>International Journal of Computer Mathematics</i> , 2013, 90, 1278-1291.	1.8	3
20	Studying cancer-cell populations by programmable models of networks. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2012, 1, 117-133.	2.1	4
21	A Multi-objective Optimisation Approach to the Design of Experiment in De Novo Assembly Projects. , 2012, , .		0
22	A randomized Numerical Aligner (rNA). <i>Journal of Computer and System Sciences</i> , 2012, 78, 1868-1882.	1.2	7
23	GapFiller: a de novo assembly approach to fill the gap within paired reads. <i>BMC Bioinformatics</i> , 2012, 13, S8.	2.6	324
24	rNA: a fast and accurate short reads numerical aligner. <i>Bioinformatics</i> , 2012, 28, 123-124.	4.1	37
25	mrNA: The MPI Randomized Numerical Aligner. , 2011, , .		1
26	Counting extensional acyclic digraphs. <i>Information Processing Letters</i> , 2011, 111, 787-791.	0.6	16
27	Well-Quasi-Ordering Hereditarily Finite Sets. <i>Lecture Notes in Computer Science</i> , 2011, , 440-451.	1.3	1
28	The SSR-based molecular profile of 1005 grapevine (<i>Vitis vinifera</i> L.) accessions uncovers new synonymy and parentages, and reveals a large admixture amongst varieties of different geographic origin. <i>Theoretical and Applied Genetics</i> , 2010, 121, 1569-1585.	3.6	202
29	Physical mapping in highly heterozygous genomes: a physical contig map of the Pinot Noir grapevine cultivar. <i>BMC Genomics</i> , 2010, 11, 204.	2.8	15
30	Hybrid dynamics of stochastic programs. <i>Theoretical Computer Science</i> , 2010, 411, 2052-2077.	0.9	31
31	The Bernays-Schönfinkel-Ramsey class for set theory: semidecidability. <i>Journal of Symbolic Logic</i> , 2010, 75, 459-480.	0.5	20
32	Automated FingerPrint Background removal: FPB. <i>BMC Bioinformatics</i> , 2009, 10, 127.	2.6	8
33	High throughput approaches reveal splicing of primary microRNA transcripts and tissue specific expression of mature microRNAs in <i>Vitis vinifera</i> . <i>BMC Genomics</i> , 2009, 10, 558.	2.8	62
34	Discrete Semantics for Hybrid Automata. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , 2009, 19, 471-493.	1.5	10
35	Hybrid Dynamics of Stochastic IŁ-Calculus. <i>Mathematics in Computer Science</i> , 2009, 2, 465-491.	0.4	7
36	The Importance of Being (A Little Bit) Discrete. <i>Electronic Notes in Theoretical Computer Science</i> , 2009, 229, 75-92.	0.9	8

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37	Stochastic Programs and Hybrid Automata for (Biological) Modeling. Lecture Notes in Computer Science, 2009, , 37-48.	1.3	6
38	Dynamical Systems and Stochastic Programming: To Ordinary Differential Equations and Back. Lecture Notes in Computer Science, 2009, , 216-267.	1.3	14
39	Modeling Biological Systems in Stochastic Concurrent Constraint Programming. Constraints, 2008, 13, 66-90.	0.7	46
40	Hybrid Systems and Biology. , 2008, , 424-448.		28
41	Discreteness, hybrid automata, and biology. , 2008, , .		4
42	Hybrid approximation of stochastic process algebras for systems biology. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 12599-12606.	0.4	6
43	Hybrid Semantics for Stochastic λ -Calculus. Lecture Notes in Computer Science, 2008, , 40-55.	1.3	0
44	Constraint-Based Simulation of Biological Systems Described by Molecular Interaction Maps. , 2007, , .		6
45	Stochastic Concurrent Constraint Programming and Differential Equations. Electronic Notes in Theoretical Computer Science, 2007, 190, 27-42.	0.9	26
46	The grapevine genome sequence suggests ancestral hexaploidization in major angiosperm phyla. Nature, 2007, 449, 463-467.	27.8	3,384
47	Three-variable statements of set-pairing. Theoretical Computer Science, 2004, 322, 147-173.	0.9	11
48	An efficient algorithm for computing bisimulation equivalence. Theoretical Computer Science, 2004, 311, 221-256.	0.9	103
49	Ackermann encoding, bisimulations and OBDDs. Theory and Practice of Logic Programming, 2004, 4, 695-718.	1.5	14
50	Model Building and Model Checking for Biochemical Processes. Cell Biochemistry and Biophysics, 2003, 38, 271-286.	1.8	77
51	A Sense of Life: Computational and Experimental Investigations with Models of Biochemical and Evolutionary Processes. OMICS A Journal of Integrative Biology, 2003, 7, 253-268.	2.0	4
52	Modeling Cellular Behavior with Hybrid Automata: Bisimulation and Collapsing. Lecture Notes in Computer Science, 2003, , 57-74.	1.3	13
53	Alternative Translation Techniques for Propositional and First-Order Modal Logics. Journal of Automated Reasoning, 2002, 28, 397-415.	1.4	1
54	Set Theory for Computing. Texts and Monographs in Computer Science, 2001, , .	0.7	72

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55	Comparing Expressiveness of Set Constructor Symbols. Lecture Notes in Computer Science, 2000, , 275-289.	1.3	3
56	Towards Tableau-Based Decision Procedures for Non-Well-Founded Fragments of Set Theory. Lecture Notes in Computer Science, 2000, , 368-382.	1.3	2
57	Decidable Theories of ω -Layered Metric Temporal Structures. Applied Logic Series, 2000, , 91-108.	0.3	7
58	Derivability in Locally Quantified Modal Logics via Translation in Set Theory. Lecture Notes in Computer Science, 2000, , 559-568.	1.3	1
59	T-Resolution: Refinements and Model Elimination. Journal of Automated Reasoning, 1999, 22, 433-483.	1.4	6
60	Solvable Set/Hyperset Contexts: II. A Goal-Driven Unification Algorithm for the Blended Case. Applicable Algebra in Engineering, Communications and Computing, 1999, 9, 293-332.	0.5	5
61	Modal Deduction in Second-Order Logic and Set Theory - II. Studia Logica, 1998, 60, 387-420.	0.6	7
62	A Uniform Axiomatic View of Lists, Multisets, and Sets, and the Relevant Unification Algorithms. Fundamenta Informaticae, 1998, 36, 201-234.	0.4	21
63	Witnessing differences without redundancies. Proceedings of the American Mathematical Society, 1997, 125, 587-594.	0.8	6
64	Decidability Results for Metric and Layered Temporal Logics. Notre Dame Journal of Formal Logic, 1996, 37, 260.	0.4	19
65	Decidability of $\hat{\omega}$ -Sentences in Membership Theories. Mathematical Logic Quarterly, 1996, 42, 41-58.	0.2	21
66	Solvable set/hyperset contexts: I. Some decision procedures for the pure, finite case. Communications on Pure and Applied Mathematics, 1995, 48, 1123-1155.	3.1	17
67	A derived algorithm for evaluating $\hat{\omega}$ -expressions over abstract sets. Journal of Symbolic Computation, 1993, 15, 673-704.	0.8	8
68	Decision procedures for set/hyperset contexts. , 1993, , 192-215.		3
69	THE DECISION PROBLEM FOR RESTRICTED UNIVERSAL QUANTIFICATION IN SET THEORY AND THE AXIOM OF FOUNDATION. Zeitschrift für Mathematische Logik Und Grundlagen Der Mathematik, 1992, 38, 143-156.	0.2	3
70	Decision procedures for elementary sublanguages of set theory: XIII. Model graphs, reflection and decidability. Journal of Automated Reasoning, 1991, 7, 271.	1.4	20
71	Expressing infinity without foundation. Journal of Symbolic Logic, 1991, 56, 1230-1235.	0.5	24
72	Note on "The Logically Simplest Form of the Infinity Axiom". Proceedings of the American Mathematical Society, 1990, 108, 285.	0.8	18

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73	Decision procedures for elementary sublanguages of set theory IX. Unsolvability of the decision problem for a restricted subclass of the $\hat{\Gamma}^0$ -formulas in set theory. Communications on Pure and Applied Mathematics, 1988, 41, 221-251.	3.1	28
74	Hybrid Semantics of Stochastic Programs with Dynamic Reconfiguration. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 6, 63-76.	0.8	9
75	Programmable models of growth and mutation of cancer-cell populations. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 67, 19-33.	0.8	3
76	Solving String Problems on Graphs Using the Labeled Direct Product. Algorithmica, 0, , .	1.3	3