

Dexter Kozen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9847393/dexter-kozen-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

1,987

citations

21

h-index

44

g-index

69

ext. papers

2,166

ext. citations

1

avg, IF

5

L-index

#	Paper	IF	Citations
66	Kleene algebra with tests. <i>ACM Transactions on Programming Languages and Systems</i> , 1997 , 19, 427-443	1.6	309
65	Semantics of probabilistic programs. <i>Journal of Computer and System Sciences</i> , 1981 , 22, 328-350	1	279
64	NetKAT 2014 ,		166
63	A probabilistic PDL. <i>Journal of Computer and System Sciences</i> , 1985 , 30, 162-178	1	149
62	On Hoare logic and Kleene algebra with tests. <i>ACM Transactions on Computational Logic</i> , 2000 , 1, 60-76	0.9	97
61	Process logic: Expressiveness, decidability, completeness. <i>Journal of Computer and System Sciences</i> , 1982 , 25, 144-170	1	95
60	Definability with bounded number of bound variables. <i>Information and Computation</i> , 1989 , 83, 121-139	0.8	61
59	NetKAT. <i>ACM SIGPLAN Notices</i> , 2014 , 49, 113-126	0.2	60
58	Polynomial decomposition algorithms. <i>Journal of Symbolic Computation</i> , 1989 , 7, 445-456	0.8	60
57	A zero-one law for logic with a fixed-point operator. <i>Information and Control</i> , 1985 , 67, 70-90		53
56	Logics of Programs 1990 , 789-840		51
55	A finite model theorem for the propositional λ -calculus. <i>Studia Logica</i> , 1988 , 47, 233-241	0.7	50
54	A Coalgebraic Decision Procedure for NetKAT 2015 ,		47
53	On parallelism in turing machines 1976 ,		39
52	Efficient inference of partial types. <i>Journal of Computer and System Sciences</i> , 1994 , 49, 306-324	1	33
51	Probabilistic NetKAT. <i>Lecture Notes in Computer Science</i> , 2016 , 282-309	0.9	31
50	Efficient recursive subtyping. <i>Mathematical Structures in Computer Science</i> , 1995 , 5, 113-125	0.5	30

49	Positive First-Order Logic Is NP-Complete. <i>IBM Journal of Research and Development</i> , 1981 , 25, 327-332	2.5	30
48	Certification of Compiler Optimizations Using Kleene Algebra with Tests. <i>Lecture Notes in Computer Science</i> , 2000 , 568-582	0.9	28
47	A Fast Parallel Algorithm for Determining All Roots of a Polynomial with Real Roots. <i>SIAM Journal on Computing</i> , 1988 , 17, 1081-1092	1.1	25
46	A programming language for the inductive sets, and applications. <i>Information and Control</i> , 1984 , 63, 118-139		23
45	Cantor meets Scott: semantic foundations for probabilistic networks 2017 ,		16
44	Dynamic Logic 2001 , 99-217		15
43	Kleene algebra with tests and commutativity conditions. <i>Lecture Notes in Computer Science</i> , 1996 , 14-33	0.9	15
42	On the completeness of propositional Hoare logic. <i>Information Sciences</i> , 2001 , 139, 187-195	7.7	14
41	Decomposition of Algebraic Functions. <i>Journal of Symbolic Computation</i> , 1996 , 22, 235-246	0.8	14
40	KAT-ML: an interactive theorem prover for Kleene algebra with tests. <i>Journal of Applied Non-Classical Logics</i> , 2006 , 16, 9-33	0.5	13
39	Substructural logic and partial correctness. <i>ACM Transactions on Computational Logic</i> , 2003 , 4, 355-378	0.9	11
38	A clique problem equivalent to graph isomorphism. <i>ACM SIGACT News</i> , 1978 , 10, 50-52	0.3	11
37	KAT + B! 2014 ,		10
36	Semantics of higher-order probabilistic programs with conditioning 2020 , 4, 1-29		10
35	Kleene Algebra with Equations. <i>Lecture Notes in Computer Science</i> , 2014 , 280-292	0.9	10
34	Practical coinduction. <i>Mathematical Structures in Computer Science</i> , 2017 , 27, 1132-1152	0.5	9
33	A Coalgebraic Decision Procedure for NetKAT. <i>ACM SIGPLAN Notices</i> , 2015 , 50, 343-355	0.2	9
32	Tarskian Set Constraints. <i>Information and Computation</i> , 2002 , 174, 105-131	0.8	8

31	Guarded Kleene algebra with tests: verification of uninterpreted programs in nearly linear time 2020 , 4, 1-28		8
30	Nonlocal Flow of Control and Kleene Algebra with Tests. <i>Proceedings - Symposium on Logic in Computer Science</i> , 2008 ,		7
29	Some results in dynamic model theory. <i>Science of Computer Programming</i> , 2004 , 51, 3-22	1.1	7
28	The B μ m μ acopini Theorem Is False, Propositionally. <i>Lecture Notes in Computer Science</i> , 2008 , 177-192	0.9	7
27	Set Constraints and Logic Programming. <i>Information and Computation</i> , 1998 , 142, 2-25	0.8	6
26	Kleene Algebra and Bytecode Verification. <i>Electronic Notes in Theoretical Computer Science</i> , 2005 , 141, 221-236	0.7	6
25	CoCaml: Functional Programming with Regular Coinductive Types. <i>Fundamenta Informaticae</i> , 2017 , 150, 347-377	1	5
24	Cantor meets Scott: semantic foundations for probabilistic networks. <i>ACM SIGPLAN Notices</i> , 2017 , 52, 557-571	0.2	5
23	Semantics of Probabilistic Programming: A Gentle Introduction 2020 , 1-42		5
22	Kolmogorov Extension, Martingale Convergence, and Compositionality of Processes 2016 ,		5
21	Stone Duality for Markov Processes 2013 ,		4
20	Realization of Coinductive Types. <i>Electronic Notes in Theoretical Computer Science</i> , 2011 , 276, 237-246	0.7	4
19	NetKAT λ A Formal System for the Verification of Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 1-18	0.9	4
18	Boolean-Valued Semantics for the Stochastic λ Calculus 2018 ,		3
17	Completeness and incompleteness in nominal Kleene algebra. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2017 , 91, 17-32	1	3
16	Computing the Newtonian Graph. <i>Journal of Symbolic Computation</i> , 1997 , 24, 125-136	0.8	3
15	Local variable scoping and Kleene algebra with tests. <i>The Journal of Logic and Algebraic Programming</i> , 2008 , 76, 3-17		3
14	Relational Semantics for Higher-Order Programs. <i>Lecture Notes in Computer Science</i> , 2006 , 29-48	0.9	3

13	Coinductive Proof Principles for Stochastic Processes. <i>Logical Methods in Computer Science</i> , 2007 , 3,		3
12	Left-handed completeness. <i>Theoretical Computer Science</i> , 2020 , 807, 220-233	1.1	3
11	On Moessner's Theorem. <i>American Mathematical Monthly</i> , 2013 , 120, 131	0.3	2
10	On the Representation of Kleene Algebras with Tests. <i>Lecture Notes in Computer Science</i> , 2006 , 73-83	0.9	2
9	On the Coalgebraic Theory of Kleene Algebra with Tests. <i>Outstanding Contributions To Logic</i> , 2017 , 279-298		2
8	Concurrent NetKAT. <i>Lecture Notes in Computer Science</i> , 2022 , 575-602	0.9	2
7	Well-founded coalgebras, revisited. <i>Mathematical Structures in Computer Science</i> , 2017 , 27, 1111-1131	0.5	1
6	Capsules and Separation 2012 ,		1
5	Infinitary Axiomatization of the Equational Theory of Context-Free Languages. <i>Fundamenta Informaticae</i> , 2017 , 150, 241-257	1	
4	A Metrized Duality Theorem for Markov Processes. <i>Electronic Notes in Theoretical Computer Science</i> , 2014 , 308, 211-227	0.7	
3	Church-Bosser Made Easy. <i>Fundamenta Informaticae</i> , 2010 , 103, 129-136	1	
2	Computational inductive definability. <i>Annals of Pure and Applied Logic</i> , 2004 , 126, 139-148	0.7	
1	Optimal Coin Flipping. <i>Lecture Notes in Computer Science</i> , 2014 , 407-426	0.9	