

Dexter Kozen

List of Publications by Year in Descending Order

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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	Concurrent NetKAT. <i>Lecture Notes in Computer Science</i> , 2022 , 575-602	0.9	2
65	Semantics of higher-order probabilistic programs with conditioning 2020 , 4, 1-29		10
64	Guarded Kleene algebra with tests: verification of uninterpreted programs in nearly linear time 2020 , 4, 1-28		8
63	Semantics of Probabilistic Programming: A Gentle Introduction 2020 , 1-42		5
62	Left-handed completeness. <i>Theoretical Computer Science</i> , 2020 , 807, 220-233	1.1	3
61	Boolean-Valued Semantics for the Stochastic \mathbb{E} Calculus 2018 ,		3
60	Infinitary Axiomatization of the Equational Theory of Context-Free Languages. <i>Fundamenta Informaticae</i> , 2017 , 150, 241-257	1	
59	CoCaml: Functional Programming with Regular Coinductive Types. <i>Fundamenta Informaticae</i> , 2017 , 150, 347-377	1	5
58	Cantor meets Scott: semantic foundations for probabilistic networks 2017 ,		16
57	Completeness and incompleteness in nominal Kleene algebra. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2017 , 91, 17-32	1	3
56	Practical coinduction. <i>Mathematical Structures in Computer Science</i> , 2017 , 27, 1132-1152	0.5	9
55	Well-founded coalgebras, revisited. <i>Mathematical Structures in Computer Science</i> , 2017 , 27, 1111-1131	0.5	1
54	Cantor meets Scott: semantic foundations for probabilistic networks. <i>ACM SIGPLAN Notices</i> , 2017 , 52, 557-571	0.2	5
53	On the Coalgebraic Theory of Kleene Algebra with Tests. <i>Outstanding Contributions To Logic</i> , 2017 , 279-298		2
52	Kolmogorov Extension, Martingale Convergence, and Compositionality of Processes 2016 ,		5
51	Probabilistic NetKAT. <i>Lecture Notes in Computer Science</i> , 2016 , 282-309	0.9	31
50	A Coalgebraic Decision Procedure for NetKAT 2015 ,		47

49	A Coalgebraic Decision Procedure for NetKAT. <i>ACM SIGPLAN Notices</i> , 2015 , 50, 343-355	0.2	9
48	A Metrized Duality Theorem for Markov Processes. <i>Electronic Notes in Theoretical Computer Science</i> , 2014 , 308, 211-227	0.7	
47	NetKAT 2014 ,		166
46	KAT + B! 2014 ,		10
45	NetKAT. <i>ACM SIGPLAN Notices</i> , 2014 , 49, 113-126	0.2	60
44	NetKAT \dashv A Formal System for the Verification of Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 1-18	0.9	4
43	Kleene Algebra with Equations. <i>Lecture Notes in Computer Science</i> , 2014 , 280-292	0.9	10
42	Optimal Coin Flipping. <i>Lecture Notes in Computer Science</i> , 2014 , 407-426	0.9	
41	On Moessner's Theorem. <i>American Mathematical Monthly</i> , 2013 , 120, 131	0.3	2
40	Stone Duality for Markov Processes 2013 ,		4
39	Capsules and Separation 2012 ,		1
38	Realization of Coinductive Types. <i>Electronic Notes in Theoretical Computer Science</i> , 2011 , 276, 237-246	0.7	4
37	Church-Rosser Made Easy. <i>Fundamenta Informaticae</i> , 2010 , 103, 129-136	1	
36	Local variable scoping and Kleene algebra with tests. <i>The Journal of Logic and Algebraic Programming</i> , 2008 , 76, 3-17		3
35	Nonlocal Flow of Control and Kleene Algebra with Tests. <i>Proceedings - Symposium on Logic in Computer Science</i> , 2008 ,		7
34	The Birkhoff-Jacopini Theorem Is False, Propositionally. <i>Lecture Notes in Computer Science</i> , 2008 , 177-192	0.9	7
33	Coinductive Proof Principles for Stochastic Processes. <i>Logical Methods in Computer Science</i> , 2007 , 3,		3
32	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

31	Relational Semantics for Higher-Order Programs. <i>Lecture Notes in Computer Science</i> , 2006 , 29-48	0.9	3
30	On the Representation of Kleene Algebras with Tests. <i>Lecture Notes in Computer Science</i> , 2006 , 73-83	0.9	2
29	Kleene Algebra and Bytecode Verification. <i>Electronic Notes in Theoretical Computer Science</i> , 2005 , 141, 221-236	0.7	6
28	Some results in dynamic model theory. <i>Science of Computer Programming</i> , 2004 , 51, 3-22	1.1	7
27	Computational inductive definability. <i>Annals of Pure and Applied Logic</i> , 2004 , 126, 139-148	0.7	
26	Substructural logic and partial correctness. <i>ACM Transactions on Computational Logic</i> , 2003 , 4, 355-378	0.9	11
25	Tarskian Set Constraints. <i>Information and Computation</i> , 2002 , 174, 105-131	0.8	8
24	On the completeness of propositional Hoare logic. <i>Information Sciences</i> , 2001 , 139, 187-195	7.7	14
23	Dynamic Logic 2001 , 99-217		15
22	On Hoare logic and Kleene algebra with tests. <i>ACM Transactions on Computational Logic</i> , 2000 , 1, 60-76	0.9	97
21	Certification of Compiler Optimizations Using Kleene Algebra with Tests. <i>Lecture Notes in Computer Science</i> , 2000 , 568-582	0.9	28
20	Set Constraints and Logic Programming. <i>Information and Computation</i> , 1998 , 142, 2-25	0.8	6
19	Kleene algebra with tests. <i>ACM Transactions on Programming Languages and Systems</i> , 1997 , 19, 427-443	1.6	309
18	Computing the Newtonian Graph. <i>Journal of Symbolic Computation</i> , 1997 , 24, 125-136	0.8	3
17	Decomposition of Algebraic Functions. <i>Journal of Symbolic Computation</i> , 1996 , 22, 235-246	0.8	14
16	Kleene algebra with tests and commutativity conditions. <i>Lecture Notes in Computer Science</i> , 1996 , 14-33	0.9	15
15	Efficient recursive subtyping. <i>Mathematical Structures in Computer Science</i> , 1995 , 5, 113-125	0.5	30
14	Efficient inference of partial types. <i>Journal of Computer and System Sciences</i> , 1994 , 49, 306-324	1	33

13	Logics of Programs 1990 , 789-840		51
12	Definability with bounded number of bound variables. <i>Information and Computation</i> , 1989 , 83, 121-139	0.8	61
11	Polynomial decomposition algorithms. <i>Journal of Symbolic Computation</i> , 1989 , 7, 445-456	0.8	60
10	A finite model theorem for the propositional calculus. <i>Studia Logica</i> , 1988 , 47, 233-241	0.7	50
9	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
8	A probabilistic PDL. <i>Journal of Computer and System Sciences</i> , 1985 , 30, 162-178	1	149
7	A zero-one law for logic with a fixed-point operator. <i>Information and Control</i> , 1985 , 67, 70-90		53
6	A programming language for the inductive sets, and applications. <i>Information and Control</i> , 1984 , 63, 118-139		23
5	Process logic: Expressiveness, decidability, completeness. <i>Journal of Computer and System Sciences</i> , 1982 , 25, 144-170	1	95
4	Positive First-Order Logic Is NP-Complete. <i>IBM Journal of Research and Development</i> , 1981 , 25, 327-332	2.5	30
3	Semantics of probabilistic programs. <i>Journal of Computer and System Sciences</i> , 1981 , 22, 328-350	1	279
2	A clique problem equivalent to graph isomorphism. <i>ACM SIGACT News</i> , 1978 , 10, 50-52	0.3	11
1	On parallelism in turing machines 1976 ,		39