

Annabelle K Mciver

List of Publications by Year in descending order

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68
papers

1,233
citations

471509

17
h-index

434195

31
g-index

77
all docs

77
docs citations

77
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Formal methods: practical applications and foundations. Formal Methods in System Design, 2022, 58, 1-4.	0.8	0
2	The Laplace Mechanism has optimal utility for differential privacy over continuous queries. , 2021, , .		9
3	Formal methods: practical applications and foundations. Formal Methods in System Design, 2021, 58, 1-4.	0.8	0
4	Correctness by Construction for Probabilistic Programs. Lecture Notes in Computer Science, 2020, , 216-239.	1.3	3
5	An axiomatization of information flow measures. Theoretical Computer Science, 2019, 777, 32-54.	0.9	17
6	Program algebra for quantitative information flow. Journal of Logical and Algebraic Methods in Programming, 2019, 106, 55-77.	0.5	1
7	Experiments in Information Flow Analysis. Lecture Notes in Computer Science, 2019, , 1-17.	1.3	1
8	Categorical Information Flow. Lecture Notes in Computer Science, 2019, , 329-343.	1.3	0
9	Conditioning in Probabilistic Programming. ACM Transactions on Programming Languages and Systems, 2018, 40, 1-50.	2.1	19
10	A new proof rule for almost-sure termination. , 2018, 2, 1-28.		46
11	Schedulers and finishers: On generating and filtering the behaviours of an event structure. Theoretical Computer Science, 2018, 744, 97-112.	0.9	0
12	Processing Text for Privacy: An Information Flow Perspective. Lecture Notes in Computer Science, 2018, , 3-21.	1.3	3
13	An Algebraic Approach for Reasoning About Information Flow. Lecture Notes in Computer Science, 2018, , 55-72.	1.3	1
14	Privacy in elections: How small is "small"? Journal of Information Security and Applications, 2017, 36, 112-126.	2.5	2
15	Reasoning About Distributed Secrets. Lecture Notes in Computer Science, 2017, , 156-170.	1.3	2
16	Formal Analysis of the Information Leakage of the DC-Nets and Crowds Anonymity Protocols. Lecture Notes in Computer Science, 2017, , 142-158.	1.3	0
17	Probabilistic rely-guarantee calculus. Theoretical Computer Science, 2016, 655, 120-134.	0.9	5
18	Axioms for Information Leakage. , 2016, , .		26

#	ARTICLE	IF	CITATIONS
19	Program Refinement, Perfect Secrecy and Information Flow. Lecture Notes in Computer Science, 2016, , 80-102.	1.3	0
20	Schedulers and Finishers: On Generating the Behaviours of an Event Structure. Lecture Notes in Computer Science, 2016, , 121-138.	1.3	0
21	Conditioning in Probabilistic Programming. Electronic Notes in Theoretical Computer Science, 2015, 319, 199-216.	0.9	9
22	Hidden-Markov program algebra with iteration. Mathematical Structures in Computer Science, 2015, 25, 320-360.	0.6	13
23	Abstract Hidden Markov Models: A Monadic Account of Quantitative Information Flow. , 2015, , .		13
24	Abstractions of non-interference security: probabilistic versus possibilistic. Formal Aspects of Computing, 2014, 26, 169-194.	1.8	4
25	Operational versus weakest pre-expectation semantics for the probabilistic guarded command language. Performance Evaluation, 2014, 73, 110-132.	1.2	48
26	Hopscotchâ€”reaching the target hop by hop. Journal of Logical and Algebraic Methods in Programming, 2014, 83, 212-224.	0.5	0
27	Additive and Multiplicative Notions of Leakage, and Their Capacities. , 2014, , .		47
28	Abstract Channels and Their Robust Information-Leakage Ordering. Lecture Notes in Computer Science, 2014, , 83-102.	1.3	35
29	Statistical Model Checking of Wireless Mesh Routing Protocols. Lecture Notes in Computer Science, 2013, , 322-336.	1.3	17
30	Prinsysâ€”On a Quest for Probabilistic Loop Invariants. Lecture Notes in Computer Science, 2013, , 193-208.	1.3	19
31	A rigorous analysis of AODV and its variants. , 2012, , .		12
32	Operational Versus Weakest Precondition Semantics for the Probabilistic Guarded Command Language. , 2012, , .		5
33	A Kantorovich-Monadic Powerdomain for Information Hiding, with Probability and Nondeterminism. , 2012, , .		9
34	Automated Analysis of AODV Using UPPAAL. Lecture Notes in Computer Science, 2012, , 173-187.	1.3	48
35	A Process Algebra for Wireless Mesh Networks. Lecture Notes in Computer Science, 2012, , 295-315.	1.3	53
36	Compositional refinement in agent-based security protocols. Formal Aspects of Computing, 2011, 23, 711-737.	1.8	4

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37	Continual and explicit comparison to promote proactive facilitation during second computer language learning. , 2011, , .		5
38	On Probabilistic Kleene Algebras, Automata and Simulations. Lecture Notes in Computer Science, 2011, , 264-279.	1.3	4
39	Towards an Algebra of Routing Tables. Lecture Notes in Computer Science, 2011, , 212-229.	1.3	2
40	Compositional Closure for Bayes Risk in Probabilistic Noninterference. Lecture Notes in Computer Science, 2010, , 223-235.	1.3	36
41	Linear-Invariant Generation for Probabilistic Programs:. Lecture Notes in Computer Science, 2010, , 390-406.	1.3	52
42	The Secret Art of Computer Programming. Lecture Notes in Computer Science, 2009, , 61-78.	1.3	6
43	Sums and Lovers: Case Studies in Security, Compositionality and Refinement. Lecture Notes in Computer Science, 2009, , 289-304.	1.3	9
44	Security, Probability and Nearly Fair Coins in the Cryptographersâ€™ CafÃ©. Lecture Notes in Computer Science, 2009, , 41-71.	1.3	4
45	Using probabilistic Kleene algebra pKA for protocol verification. The Journal of Logic and Algebraic Programming, 2008, 76, 90-111.	1.4	12
46	CaVi – Simulation and Model Checking for Wireless Sensor Networks. , 2008, , .		7
47	Results on the quantitative $\hat{1}/4$ -calculus qM $\hat{1}/4$. ACM Transactions on Computational Logic, 2007, 8, 3.	0.9	35
48	A Novel Stochastic Game Via the Quantitative $\hat{1}/4$ -calculus. Electronic Notes in Theoretical Computer Science, 2006, 153, 195-212.	0.9	2
49	Probabilistic Guarded Commands Mechanized in HOL. Electronic Notes in Theoretical Computer Science, 2005, 112, 95-111.	0.9	9
50	Probabilistic guarded commands mechanized in HOL. Theoretical Computer Science, 2005, 346, 96-112.	0.9	52
51	Memoryless Strategies for Stochastic Games via Domain Theory. Electronic Notes in Theoretical Computer Science, 2005, 130, 23-37.	0.9	1
52	An elementary proof that Herman's Ring is. Information Processing Letters, 2005, 94, 79-84.	0.6	12
53	Abstraction and refinement in probabilistic systems. Performance Evaluation Review, 2005, 32, 41-47.	0.6	50
54	Towards Automated Proof Support for Probabilistic Distributed Systems. Lecture Notes in Computer Science, 2005, , 534-548.	1.3	14

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55	Almost-certain eventualities and abstract probabilities in the quantitative temporal logic qTL. <i>Theoretical Computer Science</i> , 2003, 293, 507-534.	0.9	4
56	Probabilistic Invariants for Probabilistic Machines. <i>Lecture Notes in Computer Science</i> , 2003, , 240-259.	1.3	17
57	A probabilistic approach to information hiding. <i>Texts and Monographs in Computer Science</i> , 2003, , 441-460.	0.7	17
58	Demonic, angelic and unbounded probabilistic choices in sequential programs. <i>Acta Informatica</i> , 2001, 37, 329-354.	0.5	23
59	Almost-Certain Eventualities and Abstract Probabilities in Quantitative Temporal Logic. <i>Electronic Notes in Theoretical Computer Science</i> , 2001, 42, 12-40.	0.9	1
60	Quantitative Program Logic and Performance in Probabilistic Distributed Algorithms. <i>Lecture Notes in Computer Science</i> , 1999, , 19-33.	1.3	1
61	Unifying wp and wlp. <i>Information Processing Letters</i> , 1996, 59, 159-163.	0.6	11
62	Refinement-oriented probability for CSP. <i>Formal Aspects of Computing</i> , 1996, 8, 617-647.	1.8	69
63	Probabilistic predicate transformers. <i>ACM Transactions on Programming Languages and Systems</i> , 1996, 18, 325-353.	2.1	210
64	Finitely generated non-Hopf modules. <i>Archiv Der Mathematik</i> , 1990, 54, 533-538.	0.5	0
65	ENUMERATING FINITE GROUPS. <i>Quarterly Journal of Mathematics</i> , 1987, 38, 473-488.	0.8	34
66	Probabilistic Concurrent Kleene Algebra. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 117, 97-115.	0.8	7
67	An expectation transformer approach to predicate abstraction and data independence for probabilistic programs. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 28, 129-143.	0.8	6
68	Model exploration and analysis for quantitative safety refinement in probabilistic B. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 55, 101-120.	0.8	0