

# Carroll Morgan

## List of Publications by Year in descending order

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43  
papers

1,443  
citations

430874

18  
h-index

361022

35  
g-index

45  
all docs

45  
docs citations

45  
times ranked

376  
citing authors

#	ARTICLE	IF	CITATIONS
1	The specification statement. ACM Transactions on Programming Languages and Systems, 1988, 10, 403-419.	2.1	214
2	Probabilistic predicate transformers. ACM Transactions on Programming Languages and Systems, 1996, 18, 325-353.	2.1	210
3	Data refinement of predicate transformers. Theoretical Computer Science, 1991, 87, 143-162.	0.9	78
4	Refinement-oriented probability for CSP. Formal Aspects of Computing, 1996, 8, 617-647.	1.8	69
5	Refinement of state-based concurrent systems. Lecture Notes in Computer Science, 1990, , 340-351.	1.3	61
6	Data refinement by calculation. Acta Informatica, 1990, 27, 481.	0.5	58
7	A single complete rule for data refinement. Formal Aspects of Computing, 1993, 5, 367-382.	1.8	58
8	Specification statements and refinement. IBM Journal of Research and Development, 1987, 31, 546-555.	3.1	53
9	Of wp and CSP. , 1990, , 319-326.		53
10	Abstraction and refinement in probabilistic systems. Performance Evaluation Review, 2005, 32, 41-47.	0.6	50
11	A new proof rule for almost-sure termination. , 2018, 2, 1-28.		46
12	Testing Finitary Probabilistic Processes. Lecture Notes in Computer Science, 2009, , 274-288.	1.3	44
13	Partial correctness for probabilistic demonic programs. Theoretical Computer Science, 2001, 266, 513-541.	0.9	41
14	The Shadow Knows: Refinement and security in sequential programs. Science of Computer Programming, 2009, 74, 629-653.	1.9	40
15	Compositional Closure for Bayes Risk in Probabilistic Noninterference. Lecture Notes in Computer Science, 2010, , 223-235.	1.3	36
16	Procedures, parameters, and abstraction: Separate concerns. Science of Computer Programming, 1988, 11, 17-27.	1.9	35
17	The Shadow Knows: Refinement of Ignorance in Sequential Programs. Lecture Notes in Computer Science, 2006, , 359-378.	1.3	32
18	Remarks on Testing Probabilistic Processes. Electronic Notes in Theoretical Computer Science, 2007, 172, 359-397.	0.9	30

#	ARTICLE	IF	CITATIONS
19	Axioms for Information Leakage. , 2016, , .		26
20	Action systems, unbounded nondeterminism, and infinite traces. Formal Aspects of Computing, 1995, 7, 37-53.	1.8	22
21	Auxiliary variables in data refinement. Information Processing Letters, 1988, 29, 293-296.	0.6	21
22	Characterising Testing Preorders for Finite Probabilistic Processes. , 2007, , .		17
23	An axiomatization of information flow measures. Theoretical Computer Science, 2019, 777, 32-54.	0.9	17
24	Types and invariants in the refinement calculus. Science of Computer Programming, 1990, 14, 281-304.	1.9	13
25	Hidden-Markov program algebra with iteration. Mathematical Structures in Computer Science, 2015, 25, 320-360.	0.6	13
26	Types and invariants in the refinement calculus. Lecture Notes in Computer Science, 1989, , 363-378.	1.3	13
27	The Challenge of Probabilistic Event Bâ€™Extended Abstractâ€™. Lecture Notes in Computer Science, 2005, , 162-171.	1.3	12
28	An elementary proof that Herman's Ring is. Information Processing Letters, 2005, 94, 79-84.	0.6	12
29	Unifying wp and wlp. Information Processing Letters, 1996, 59, 159-163.	0.6	11
30	Compositional noninterference from first principles. Formal Aspects of Computing, 2012, 24, 3-26.	1.8	11
31	Exits in the refinement calculus. Formal Aspects of Computing, 1995, 7, 54-76.	1.8	10
32	The Laplace Mechanism has optimal utility for differential privacy over continuous queries. , 2021, , .		9
33	Real-reward testing for probabilistic processes. Theoretical Computer Science, 2014, 538, 16-36.	0.9	6
34	How to Brew-up a Refinement Ordering. Electronic Notes in Theoretical Computer Science, 2009, 259, 123-141.	0.9	5
35	Security, Probability and Nearly Fair Coins in the Cryptographersâ€™ Cafâ€™. Lecture Notes in Computer Science, 2009, , 41-71.	1.3	4
36	Of Probabilistic wp and CSPâ€™and Compositionality. Lecture Notes in Computer Science, 2005, , 220-241.	1.3	3

#	ARTICLE	IF	CITATIONS
37	Real-Reward Testing for Probabilistic Processes (Extended Abstract). Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 57, 61-73.	0.8	2
38	Elementary Probability Theory in the Eindhoven Style. Lecture Notes in Computer Science, 2012, , 48-73.	1.3	2
39	Reasoning About Distributed Secrets. Lecture Notes in Computer Science, 2017, , 156-170.	1.3	2
40	Almost-Certain Eventualities and Abstract Probabilities in Quantitative Temporal Logic. Electronic Notes in Theoretical Computer Science, 2001, 42, 12-40.	0.9	1
41	Memoryless Strategies for Stochastic Games via Domain Theory. Electronic Notes in Theoretical Computer Science, 2005, 130, 23-37.	0.9	1
42	An old new notation for elementary probability theory. Science of Computer Programming, 2014, 85, 115-136.	1.9	1
43	Algorithmics. IFIP Advances in Information and Communication Technology, 2021, , 59-98.	0.7	0