Andrew D Gordon

List of Publications by Year
in descending order

58 papers	3,101 citations	279487 23 h-index	197535 49 g-index
59 all docs	59 docs citations	59 times ranked	873 citing authors

#	Article	IF	Citations
1	Mobile ambients. Theoretical Computer Science, 2000, 240, 177-213.	0.5	668
2	A Calculus for Cryptographic Protocols: The Spi Calculus. Information and Computation, 1999, 148, 1-70.	0.5	559
3	Probabilistic programming. , 2014, , .		222
4	Types for mobile ambients. , 1999, , .		132
5	Refinement types for secure implementations. ACM Transactions on Programming Languages and Systems, 2011, 33, 1-45.	1.7	97
6	Authenticity by typing for security protocols1. Journal of Computer Security, 2003, 11, 451-519.	0.5	87
7	Mobility Types for Mobile Ambients. Lecture Notes in Computer Science, 1999, , 230-239.	1.0	77
8	Refinement Types for Secure Implementations. , 2008, , .		73
9	Types and effects for asymmetric cryptographic protocols. Journal of Computer Security, 2004, 12, 435-483.	0.5	65
10	Bisimilarity as a Theory of Functional Programming. Electronic Notes in Theoretical Computer Science, 1995, 1, 232-252.	0.9	59
11	Ambient Groups and Mobility Types. Lecture Notes in Computer Science, 2000, , 333-347.	1.0	56
12	Typing correspondence assertions for communication protocols. Theoretical Computer Science, 2003, 300, 379-409.	0.5	52
13	Stack inspection. ACM Transactions on Programming Languages and Systems, 2003, 25, 360-399.	1.7	46
14	TulaFale: A Security Tool for Web Services. Lecture Notes in Computer Science, 2004, , 197-222.	1.0	46
15	Equational properties of mobile ambients. Mathematical Structures in Computer Science, 2003, 13, 371-408.	0.5	45
16	Types for the Ambient Calculus. Information and Computation, 2002, 177, 160-194.	0.5	42
17	Verified interoperable implementations of security protocols. ACM Transactions on Programming Languages and Systems, 2008, 31, 1-61.	1.7	42
18	Logical Properites of Name Restriction. Lecture Notes in Computer Science, 2001, , 46-60.	1.0	41

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19	A semantics for web services authentication. , 2004, , .		40
20	Semantic subtyping with an SMT solver. , 2010, , .		39
21	Deriving Probability Density Functions from Probabilistic Functional Programs. Lecture Notes in Computer Science, 2013, , 508-522.	1.0	37
22	A Concurrent Object Calculus. Electronic Notes in Theoretical Computer Science, 1998, 16, 248-264.	0.9	35
23	Secrecy and group creation. Information and Computation, 2005, 196, 127-155.	0.5	32
24	Secrecy and Group Creation. Lecture Notes in Computer Science, 2000, , 365-379.	1.0	32
25	A Type Discipline for Authorization Policies. Lecture Notes in Computer Science, 2005, , 141-156.	1.0	32
26	Verified implementations of the information card federated identity-management protocol. , 2008, , .		29
27	A semantics for web services authentication. Theoretical Computer Science, 2005, 340, 102-153.	0.5	28
28	Validating a Web service security abstraction by typing. , 2002, , .		25
29	Validating a web service security abstraction by typing. Formal Aspects of Computing, 2005, 17, 277-318.	1.4	25
30	Secure sessions for Web services. ACM Transactions on Information and System Security, 2007, 10, 8.	4.5	25
31	Secrecy Despite Compromise: Types, Cryptography, and the Pi-Calculus. Lecture Notes in Computer Science, 2005, , 186-201.	1.0	24
32	A type discipline for authorization policies. ACM Transactions on Programming Languages and Systems, 2007, 29, 25.	1.7	23
33	Practical probabilistic programming with monads. , 2015, , .		22
34	Types for the Ambient Calculus. Information and Computation, 2002, 177, 160-194.	0.5	20
35	Notes on Nominal Calculi for Security and Mobility. Lecture Notes in Computer Science, 2001, , 262-330.	1.0	20
36	Deciding validity in a spatial logic for trees. Journal of Functional Programming, 2005, 15, 543-572.	0.5	17

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37	Semantic subtyping with an SMT solver. Journal of Functional Programming, 2012, 22, 31-105.	0.5	16
38	Code-Carrying Authorization. Lecture Notes in Computer Science, 2008, , 563-579.	1.0	15
39	Typing Correspondence Assertions for Communication Protocols. Electronic Notes in Theoretical Computer Science, 2001, 45, 119-140.	0.9	13
40	Verifying policy-based web services security. ACM Transactions on Programming Languages and Systems, 2008, 30, 1-59.	1.7	13
41	Typing One-to-One and One-to-Many Correspondences in Security Protocols. Lecture Notes in Computer Science, 2003, , 263-282.	1.0	13
42	A Chart Semantics for the Pi-Calculus. Electronic Notes in Theoretical Computer Science, 2008, 194, 3-29.	0.9	12
43	Modular verification of security protocol code by typing. ACM SIGPLAN Notices, 2010, 45, 445-456.	0.2	12
44	Compilation and equivalence of imperative objects. Journal of Functional Programming, 1999, 9, 373-426.	0.5	11
45	Maintaining Database Integrity with Refinement Types. Lecture Notes in Computer Science, 2011, , 484-509.	1.0	11
46	Region analysis and a π-calculus with groups. Journal of Functional Programming, 2002, 12, 229-292.	0.5	10
47	A lambda-calculus foundation for universal probabilistic programming. ACM SIGPLAN Notices, 2016, 51, 33-46.	0.2	10
48	Region Analysis and a π-Calculus with Groups. Lecture Notes in Computer Science, 2000, , 1-20.	1.0	8
49	A sound metalogical semantics for input/output effects. Lecture Notes in Computer Science, 1995, , 339-353.	1.0	7
50	Typing a multi-language intermediate code. ACM SIGPLAN Notices, 2001, 36, 248-260.	0.2	7
51	Roles, stacks, histories: A triple for Hoare. Journal of Functional Programming, 2011, 21, 159-207.	0.5	7
52	Verifying Cryptographic Code in C: Some Experience and the Csec Challenge. Lecture Notes in Computer Science, 2012, , 1-20.	1.0	5
53	Relating operational and denotational semantics for input/output effects. Mathematical Structures in Computer Science, 1999, 9, 125-158.	0.5	4
54	Roles, Stacks, Histories: A Triple for Hoare. , 2010, , 71-99.		4

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55	A semantics for web services authentication. ACM SIGPLAN Notices, 2004, 39, 198-209.	0.2	2
56	Type Inference for Correspondence Types. Electronic Notes in Theoretical Computer Science, 2009, 242, 21-36.	0.9	1
57	A Type and Effect Analysis of Security Protocols. Lecture Notes in Computer Science, 2001, , 432-432.	1.0	1
58	Types for Cryptographic Protocols. Lecture Notes in Computer Science, 2002, , 99-100.	1.0	1