Andre Scedrov

List of Publications by Year
in descending order

106 papers	2,504 citations	304368 22 h-index	233125 45 g-index
118 all docs	118 docs citations	118 times ranked	627 citing authors

#	Article	IF	Citations
1	On the Security and Complexity of Periodic Systems. SN Computer Science, 2022, 3, .	2.3	0
2	The Multiplicative-Additive Lambek Calculus with Subexponential and Bracket Modalities. Journal of Logic, Language and Information, 2021, 30, 31-88.	0.4	5
3	Language models for some extensions of the Lambek calculus. Information and Computation, 2021, , 104760.	0.5	1
4	Resource and timing aspects of security protocols. Journal of Computer Security, 2021, 29, 299-340.	0.5	6
5	Reconciling Lambekâ€™s restriction, cut-elimination and substitution in the presence of exponential modalities. Journal of Logic and Computation, 2020, 30, 239-256.	0.5	5
6	Soft Subexponentials and Multiplexing. Lecture Notes in Computer Science, 2020, , 500-517.	1.0	4
7	Subexponentials in non-commutative linear logic. Mathematical Structures in Computer Science, 2019, 29, 1217-1249.	0.5	24
8	Resource-Bounded Intruders in Denial of Service Attacks. , 2019, , .		4
9	A Multiset Rewriting Model for Specifying and Verifying Timing Aspects of Security Protocols. Lecture Notes in Computer Science, 2019, , 192-213.	1.0	5
10	Automated Analysis of Cryptographic Assumptions in Generic Group Models. Journal of Cryptology, 2019, 32, 324-360.	2.1	3
11	The Complexity of Multiplicative-Additive Lambek Calculus: 25ÂYearsÂLater. Lecture Notes in Computer Science, 2019, , 356-372.	1.0	8
12	L-Models and R-Models for Lambek Calculus Enriched with Additives and the Multiplicative Unit. Lecture Notes in Computer Science, 2019, , 373-391.	1.0	4
13	Undecidability of a Newly Proposed Calculus for CatLog3. Lecture Notes in Computer Science, 2019, , 67-83.	1.0	1
14	A rewriting framework and logic for activities subject to regulations. Mathematical Structures in Computer Science, 2017, 27, 332-375.	0.5	14
15	Undecidability of the Lambek Calculus with Subexponential and Bracket Modalities. Lecture Notes in Computer Science, 2017, , 326-340.	1.0	8
16	Time, computational complexity, andÂprobability in the analysis ofÂdistance-bounding protocols. Journal of Computer Security, 2017, 25, 585-630.	0.5	14
17	Timed Multiset Rewriting and the Verification of Time-Sensitive Distributed Systems. Lecture Notes in Computer Science, 2016, , 228-244.	1.0	7
18	Undecidability of the Lambek Calculus with a Relevant Modality. Lecture Notes in Computer Science, 2016, , 240-256.	1.0	11

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19	Strongly-optimal structure preserving signatures from Type II pairings: synthesis and lower bounds. IET Information Security, 2016, 10, 358-371.	1.1	1
20	Strongly-Optimal Structure Preserving Signatures from TypeÂII Pairings: Synthesis and Lower Bounds. Lecture Notes in Computer Science, 2015, , 355-376.	1.0	25
21	Discrete vs. Dense Times in the Analysis of Cyber-Physical Security Protocols. Lecture Notes in Computer Science, 2015, , 259-279.	1.0	12
22	A reduction-based approach towards scaling up formal analysis of internet configurations. , 2014, , .		8
23	Bounded memory Dolev–Yao adversaries in collaborative systems. Information and Computation, 2014, 238, 233-261.	0.5	19
24	Bounded memory protocols. Computer Languages, Systems and Structures, 2014, 40, 137-154.	1.4	4
25	Automated Analysis of Cryptographic Assumptions in Generic Group Models. Lecture Notes in Computer Science, 2014, , 95-112.	1.0	26
26	When Not All Bits Are Equal: Worth-Based Information Flow. Lecture Notes in Computer Science, 2014, , 120-139.	1.0	6
27	Automated synthesis of reactive controllers for software-defined networks. , 2013, , .		6
28	Towards an automated assistant for clinical investigations. , 2012, , .		2
29	Declarative privacy policy. , 2012, , .		10
30	Reduction-based analysis of BGP systems with BGPVerif. , 2012, , .		0
31	Reduction-based analysis of BGP systems with BGPVerif. Computer Communication Review, 2012, 42, 89-90.	1.5	0
32	FSR: Formal Analysis and Implementation Toolkit for Safe Interdomain Routing. IEEE/ACM Transactions on Networking, 2012, 20, 1814-1827.	2.6	27
33	Maintaining distributed logic programs incrementally. Computer Languages, Systems and Structures, 2012, 38, 158-180.	1.4	6
34	Reduction-Based Formal Analysis of BGP Instances. Lecture Notes in Computer Science, 2012, , 283-298.	1.0	9
35	Collaborative Planning with Confidentiality. Journal of Automated Reasoning, 2011, 46, 389-421.	1.1	17
36	Cryptographically sound security proofs for basic and public-key Kerberos. International Journal of Information Security, 2011, 10, 107-134.	2.3	10

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37	Maintaining distributed logic programs incrementally. , 2011, , .		22
38	Bounded Memory Dolev-Yao Adversaries in Collaborative Systems. Lecture Notes in Computer Science, 2011, , 18-33.	1.0	4
39	Soundness and completeness of formal encryption: The cases of key cycles and partial information leakage. Journal of Computer Security, 2009, 17, 737-797.	0.5	16
40	Relating state-based and process-based concurrency through linear logic (full-version). Information and Computation, 2009, 207, 1044-1077.	0.5	38
41	Policy Compliance in Collaborative Systems. , 2009, , .		9
42	Breaking and fixing public-key Kerberos. Information and Computation, 2008, 206, 402-424.	0.5	53
43	Key-dependent message security under active attacks â€" BRSIM/UC-soundness of Dolevâ€"Yao-style encryption with key cycles. Journal of Computer Security, 2008, 16, 497-530.	0.5	19
44	Computationally sound mechanized proofs for basic and public-key Kerberos. , 2008, , .		21
45	Analysis of EAP-GPSK Authentication Protocol. Lecture Notes in Computer Science, 2008, , 309-327.	1.0	9
46	The work of Dean Rosenzweig. , 2007, , .		0
47	Collaborative Planning With Privacy. Computer Security Foundations Workshop (CSFW), Proceedings of the IEEE, 2007, , .	0.0	5
48	Key-dependent Message Security under Active Attacks--BRSIM/UC-Soundness of Symbolic Encryption with Key Cycles. Computer Security Foundations Workshop (CSFW), Proceedings of the IEEE, 2007, , .	0.0	16
49	Breaking and Fixing Public-Key Kerberos. Lecture Notes in Computer Science, 2007, , 167-181.	1.0	6
50	Formal analysis of Kerberos 5. Theoretical Computer Science, 2006, 367, 57-87.	0.5	46
51	Formal Analysis of Multiparty Contract Signing. Journal of Automated Reasoning, 2006, 36, 39-83.	1.1	29
52	A probabilistic polynomial-time process calculus for the analysis of cryptographic protocols. Theoretical Computer Science, 2006, 353, 118-164.	0.5	66
53	Relating State-Based and Process-Based Concurrency through Linear Logic. Electronic Notes in Theoretical Computer Science, 2006, 165, 145-176.	0.9	5
54	Games and the Impossibility of Realizable Ideal Functionality. Lecture Notes in Computer Science, 2006, , 360-379.	1.0	21

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55	Contract signing, optimism, and advantage. The Journal of Logic and Algebraic Programming, 2005, 64, 189-218.	1.4	10
56	A comparison between strand spaces and multiset rewriting for security protocol analysis. Journal of Computer Security, 2005, 13, 265-316.	0.5	11
57	Specifying Kerberos 5 cross-realm authentication. , 2005, , .		13
58	Soundness of Formal Encryption in the Presence of Key-Cycles. Lecture Notes in Computer Science, 2005, , 374-396.	1.0	52
59	Multiset rewriting and the complexity of bounded security protocols. Journal of Computer Security, 2004, 12, 247-311.	0.5	106
60	Probabilistic Bisimulation and Equivalence for Security Analysis of Network Protocols. Lecture Notes in Computer Science, 2004, , 468-483.	1.0	26
61	Verifying Confidentiality and Authentication in KerberosÂ5. Lecture Notes in Computer Science, 2004, , 1-24.	1.0	5
62	Phase semantics for light linear logic. Theoretical Computer Science, 2003, 294, 525-549.	0.5	15
63	Contract Signing, Optimism, and Advantage. Lecture Notes in Computer Science, 2003, , 366-382.	1.0	19
64	A Probabilistic Polynomial-time Calculus For Analysis of Cryptographic Protocols. Electronic Notes in Theoretical Computer Science, 2001, 45, 280-310.	0.9	33
65	Optimization complexity of linear logic proof games. Theoretical Computer Science, 1999, 227, 299-331.	0.5	3
66	Probabilistic Polynomial-Time Equivalence and Security Analysis. Lecture Notes in Computer Science, 1999, , 776-793.	1.0	42
67	Specifying Real-Time Finite-State Systems in Linear Logic (Extended Abstract). Electronic Notes in Theoretical Computer Science, 1998, 16, 42-59.	0.9	9
68	Phase Semantics for Light Linear Logic (Extended Abstract). Electronic Notes in Theoretical Computer Science, 1997, 6, 221-234.	0.9	7
69	The Undecidability of Second Order Multiplicative Linear Logic. Information and Computation, 1996, 125, 46-51.	0.5	20
70	The Complexity of Local Proof Search in Linear Logic. Electronic Notes in Theoretical Computer Science, 1996, 3, 120-129.	0.9	0
71	Linear Logic Proof Games and Optimization. Bulletin of Symbolic Logic, 1996, 2, 322-338.	0.2	3
72	Moez Alimohamed, 1967â€"1994. Theoretical Computer Science, 1995, 146, 1-3.	0.5	1

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73	Linear Logic and Computation: A Survey. , 1995, , 379-395.		6
74	First-order linear logic without modalities is NEXPTIME-hard. Theoretical Computer Science, 1994, 135, 139-153.	0.5	21
75	An Extension of System F with Subtyping. Information and Computation, 1994, 109, 4-56.	0.5	111
76	Linearizing intuitionistic implication. Annals of Pure and Applied Logic, 1993, 60, 151-177.	0.3	8
77	A Brief Guide to Linear Logic. , 1993, , 377-394.		34
78	Complete topoi representing models of set theory. Annals of Pure and Applied Logic, 1992, 57, 1-26.	0.3	5
79	Decision problems for propositional linear logic. Annals of Pure and Applied Logic, 1992, 56, 239-311.	0.3	164
80	Bounded linear logic: a modular approach to polynomial-time computability. Theoretical Computer Science, 1992, 97, 1-66.	0.5	161
81	Uniform proofs as a foundation for logic programming. Annals of Pure and Applied Logic, 1991, 51, 125-157.	0.3	391
82	Inheritance as implicit coercion. Information and Computation, 1991, 93, 172-221.	0.5	141
83	An extension of system F with subtyping. Lecture Notes in Computer Science, 1991, , 750-770.	1.0	30
84	A guide to polymorphic types. Lecture Notes in Mathematics, 1990, , 111-150.	0.1	6
85	Functorial polymorphism. Theoretical Computer Science, 1990, 70, 35-64.	0.5	126
86	Kleene computable functionals and the higher order existence property. Journal of Pure and Applied Algebra, 1988, 52, 313-320.	0.3	2
87	A categorical approach to realizability and polymorphic types. Lecture Notes in Computer Science, 1988, , 23-42.	1.0	36
88	Decompositions of finitely generated modules over C(X): sheaf semantics and a decision procedure. Mathematical Proceedings of the Cambridge Philosophical Society, 1988, 103, 257-268.	0.3	0
89	Some Aspects of Categorical Semantics: Sheaves and Glueing. Studies in Logic and the Foundations of Mathematics, 1987, 122, 281-301.	0.2	0
90	Lindenbaum algebras of intuitionistic theories and free categories. Annals of Pure and Applied Logic, 1987, 35, 167-172.	0.3	2

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91	Intuitionistically provable recursive well-orderings. Annals of Pure and Applied Logic, 1986, 30, 165-171.	0.3	4
92	Diagonalization of continuous matrices as a representation of intuitionistic reals. Annals of Pure and Applied Logic, 1986, 30, 201-206.	0.3	9
93	Embedding sheaf models for set theory into boolean-valued permutation models with an interior operator. Annals of Pure and Applied Logic, 1986, 32, 103-109.	0.3	2
94	On the impossibility of explicit upper bounds on lengths of some provably finite algorithms in computable analysis. Annals of Pure and Applied Logic, 1986, 32, 291-297.	0.3	1
95	Some properties of epistemic set theory with collection. Journal of Symbolic Logic, 1986, 51, 748-754.	0.4	3
96	Small decidable sheaves. Journal of Symbolic Logic, 1986, 51, 726-731.	0.4	2
97	Extending GÃ¶del's Modal Interpretation to Type Theory and Set Theory. Studies in Logic and the Foundations of Mathematics, 1985, 113, 81-119.	0.2	7
98	Arithmetic transfinite induction and recursive well-orderings. Advances in Mathematics, 1985, 56, 283-294.	0.5	6
99	The lack of definable witnesses and provably recursive functions in intuitionistic set theories. Advances in Mathematics, 1985, 57, 1-13.	0.5	45
100	On some non-classical extensions of second-order intuitionistic propositional calculus. Annals of Pure and Applied Logic, 1984, 27, 155-164.	0.3	5
101	Large sets in intuitionistic set theory. Annals of Pure and Applied Logic, 1984, 27, 1-24.	0.3	10
102	Differential equations in constructive analysis and in the recursive realizability topos. Journal of Pure and Applied Algebra, 1984, 33, 69-80.	0.3	7
103	Set existence property for intuitionistic theories with dependent choice. Annals of Pure and Applied Logic, 1983, 25, 129-140.	0.3	13
104	Boolean classifying topoi. Journal of Pure and Applied Algebra, 1983, 28, 15-30.	0.3	5
105	Classifying topoi and finite forcing. Journal of Pure and Applied Algebra, 1983, 28, 111-140.	0.3	18
106	A formal analysis of ome properties of kerberos 5 using MSR. , 0, , .		23