Jorge Lobo

List of Publications by Year
in descending order

99 papers	2,465 citations	516561 16 h-index	434063 31 g-index
107 all docs	107 docs citations	107 times ranked	1203 citing authors

#	Article	IF	Citations
1	Towards Neural-Symbolic Learning to support Human-Agent Operations. , 2021, , .		0
2	Online Symbolic Learning of Policies for Explainable Security. , 2021, , .		0
3	Polisma - A Framework for Learning Attribute-Based Access Control Policies. Lecture Notes in Computer Science, 2020, , 523-544.	1.0	14
4	On Security Policy Migrations. , 2020, , .		1
5	Optimal Placement of Security Resources for the Internet of Things. Internet of Things, 2019, , 95-124.	1.3	1
6	Redundancy as a Measure of Fault-Tolerance for the Internet of Things: A Review. Lecture Notes in Computer Science, 2019, , 202-226.	1.0	6
7	Generative Policies for Coalition Systems - A Symbolic Learning Framework. , 2019, , .		2
8	Representing and Learning Grammars in Answer Set Programming. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 2919-2928.	3.6	16
9	Relationshipâ€based access control: More than a social network access control model. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1282.	4.6	3
10	Optimizing Resource Allocation for Virtualized Network Functions in a Cloud Center Using Genetic Algorithms. IEEE Transactions on Network and Service Management, 2017, 14, 343-356.	3.2	119
11	Shortfall-Based Optimal Placement of Security Resources for Mobile IoT Scenarios. Lecture Notes in Computer Science, 2017, , 419-436.	1.0	10
12	A Datalog Framework for Modeling Relationship-based Access Control Policies. , 2017, , .		19
13	Shortfall-Based Optimal Security Provisioning for Internet of Things. , 2017, , .		4
14	Declarative Framework for Specification, Simulation and Analysis of Distributed Applications. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1489-1502.	4.0	3
15	Reasoning about Policy Behavior in Logic-Based Trust Management Systems: Some Complexity Results and an Operational Framework. , 2015, , .		0
16	Experimental results on the use of genetic algorithms for scaling virtualized network functions. , 2015, , .		31
17	Enforcement of Autonomous Authorizations in Collaborative Distributed Query Evaluation. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 979-992.	4.0	11
18	Detecting distributed signature-based intrusion: The case of multi-path routing attacks. , 2015, , .		16

#	ARTICLE	IF	CITATIONS
19	Towards making network function virtualization a cloud computing service. , 2015, , .		65
20	Towards Collaborative Query Planning in Multi-party Database Networks. Lecture Notes in Computer Science, 2015, , 19-34.	1.0	3
21	Network and Service Management for Cloud Computing and Data Centers: A Report on CNSM 2012. Journal of Network and Systems Management, 2013, 21, 707-712.	3.3	4
22	A Similarity Measure for Comparing XACML Policies. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1946-1959.	4.0	32
23	A declarative approach to distributed computing: Specification, execution and analysis. Theory and Practice of Logic Programming, 2013, 13, 815-830.	1.1	9
24	Risk-based security decisions under uncertainty. , 2012, , .		48
25	Practical risk aggregation in RBAC models. , 2012, , .		2
26	Dynamic graph query primitives for SDN-based cloudnetwork management. , 2012, , .		45
27	Learning Stochastic Models of Information Flow. , 2012, , .		20
28	Policy-Aware Service Composition in Sensor Networks. , 2012, , .		7
29	An architecture for distributed video applications based on declarative networking. , 2012, , .		0
30	Firewall Configuration Policies for the Specification and Implementation of Private Zones. , 2012, , .		2
31	Declarative Distributed Computing. Lecture Notes in Computer Science, 2012, , 454-470.	1.0	3
32	Policy refinement of network services for MANETs. , 2011, , .		8
33	Fine-grained integration of access control policies. Computers and Security, 2011, 30, 91-107.	4.0	24
34	Adversaries' Holy Grail. , 2011, , .		4
35	Refinement of History-Based Policies. Lecture Notes in Computer Science, 2011, , 280-299.	1.0	5
36	EXAM: a comprehensive environment for the analysis of access control policies. International Journal of Information Security, 2010, 9, 253-273.	2.3	56

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37	Privacy-aware role-based access control. ACM Transactions on Information and System Security, 2010, 13, 1-31.	4.5	142
38	A Negotiation Framework for Negotiation of Coalition Policies. , 2010, , .		4
39	Mining roles with noisy data. , 2010, , .		39
40	Mining Roles with Multiple Objectives. ACM Transactions on Information and System Security, 2010, 13, 1-35.	4.5	80
41	Risk-based access control systems built on fuzzy inferences. , 2010, , .		82
42	Decomposition techniques for policy refinement. , 2010, , .		9
43	Towards an integrated approach to role engineering. , 2010, , .		11
44	Evaluating role mining algorithms. , 2009, , .		90
45	An algebra for fine-grained integration of XACML policies. , 2009, , .		63
46	Automating role-based provisioning by learning from examples. , 2009, , .		33
47	D-algebra for composing access control policy decisions. , 2009, , .		31
48	Expressive policy analysis with enhanced system dynamicity. , 2009, , .		54
49	Privacy-Aware Role-Based Access Control. IEEE Security and Privacy, 2009, 7, 35-43.	1.5	55
50	Visualization for Access Control Policy Analysis Results Using Multi-level Grids. , 2009, , .		9
51	Extending the CIM-SPL policy language with RBAC for distributed management systems in the WBEM infrastructure. , 2009, , .		2
52	Access control policy combining. , 2009, , .		62
53	Usability meets access control. , 2009, , .		17
54	Security policy refinement using data integration. , 2009, , .		4

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55	C2: The Case for a Network Configuration Checking Language. , 2008, , .		2
56	An Algebra for Integration and Analysis of Ponder2 Policies. , 2008, , .		11
57	EXAM: An Environment for Access Control Policy Analysis and Management. , 2008, , .		4
58	The Coalition Policy Management Portal for Policy Authoring, Verification, and Deployment. , 2008, , .		21
59	Mining roles with semantic meanings. , 2008, , .		127
60	Policy decomposition for collaborative access control. , 2008, , .		34
61	An obligation model bridging access control policies and privacy policies. , 2008, , .		59
62	Authorization and Obligation Policies in Dynamic Systems. Lecture Notes in Computer Science, 2008, , 22-36.	1.0	15
63	Privacy-aware role based access control. , 2007, , .		113
64	An approach to evaluate policy similarity. , 2007, , .		55
65	Issues in Designing a Policy Language for Distributed Management of IT Infrastructures. , 2007, , .		20
66	Secure Dynamic Community Establishment in Coalitions. , 2007, , .		6
67	Conditional Privacy-Aware Role Based Access Control. Lecture Notes in Computer Science, 2007, , 72-89.	1.0	32
68	Policy-Based Computing: From Systems and Applications to Theory. , 2007, , 2-2.		0
69	Policy-based management of networked computing systems. , 2005, 43, 69-75.		83
70	Realizing Network Control Policies Using Distributed Action Plans. Journal of Network and Systems Management, 2003, 11, 305-327.	3.3	10
71	FORMALIZING AND REASONING ABOUT THE REQUIREMENTS SPECIFICATIONS OF WORKFLOW SYSTEMS. International Journal of Cooperative Information Systems, 2001, 10, 483-507.	0.6	6
72	Monitors for History-Based Policies. Lecture Notes in Computer Science, 2001, , 57-72.	1.0	24

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73	Distributed action plans in an agent based network management system. , 2000, , .		1
74	Formalizing (and Reasoning about) the Specifications of Workflows. Lecture Notes in Computer Science, 2000, , 1-17.	1.0	2
75	Qualifying Answers According to User Needs and Preferences. Fundamenta Informaticae, 1997, 32, 121-137.	0.3	3
76	Abductive consequence relations. Artificial Intelligence, 1997, 89, 149-171.	3.9	22
77	Formal characterizations of active databases: Part II. Lecture Notes in Computer Science, 1997, , 247-264.	1.0	13
78	From action theories to updates, transactions, triggers and agents â€" A tutorial. Lecture Notes in Computer Science, 1997, , 26-32.	1.0	0
79	ABDUCTIVE CHANGE OPERATORS. Fundamenta Informaticae, 1996, 27, 385-411.	0.3	9
80	COMPUTATION OF BEST BOUNDS OF PROBABILITIES FROM UNCERTAIN DATA. Computational Intelligence, 1996, 12, 541-565.	2.1	14
81	A high-level Petri net for goal-directed semantics of Horn clause logic. IEEE Transactions on Knowledge and Data Engineering, 1996, 8, 241-259.	4.0	18
82	Semantics for update rule programs and implementation in a relational database management system. ACM Transactions on Database Systems, 1996, 21, 526-572.	1.5	8
83	Jack Minker ? A profile. Annals of Mathematics and Artificial Intelligence, 1995, 14, 135-149.	0.9	0
84	Dynamic maintenance of the transitive closure in disjunctive graphs. Annals of Mathematics and Artificial Intelligence, 1995, 14, 151-176.	0.9	0
85	An extended Petri net model for normal logic programs. IEEE Transactions on Knowledge and Data Engineering, 1995, 7, 150-162.	4.0	15
86	An experimental distributed deductive database system. Lecture Notes in Computer Science, 1995, , 128-142.	1.0	0
87	A semantics for a class of non-deterministic and causal production system programs. Journal of Automated Reasoning, 1994, 12, 305-349.	1.1	4
88	View updates in stratified disjunctive databases. Journal of Automated Reasoning, 1993, 11, 249-267.	1.1	23
89	Processing negation and disjunction in logic programs through integrity constraints. Journal of Intelligent Information Systems, 1993, 2, 225-243.	2.8	6
90	Disjunctive LP+integrity constraints= stable model semantics. Annals of Mathematics and Artificial Intelligence, 1993, 8, 449-474.	0.9	29

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91	Using semantic information for processing negation and disjunction in logic programs. Lecture Notes in Computer Science, 1993, , 198-208.	1.0	1
92	Generalized disjunctive well-founded semantics for logic programs. Annals of Mathematics and Artificial Intelligence, 1992, 5, 89-131.	0.9	15
93	Relating minimal models and pre-requisite-free normal defaults. Information Processing Letters, 1992, 44, 129-133.	0.4	5
94	Semantics of Horn and disjunctive logic programs. Theoretical Computer Science, 1991, 86, 93-106.	0.5	17
95	Circumscription and Disjunctive Logic Programming. , 1991, , 281-304.		70
96	Weak Generalized Closed World Assumption. Journal of Automated Reasoning, 1989, 5, 293-307.	1.1	63
97	Policy Ratification. , 0, , .		47
98	Policy Technologies for Security Management in Coalition Networks. , 0, , 146-173.		1
99	Policy Technologies for Security Management in Coalition Networks. , 0, , 750-776.		0