

Pierangela Samarati

List of Publications by Year in descending order

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Version: 2024-02-01

158
papers

5,867
citations

159585

30
h-index

114465

63
g-index

176
all docs

176
docs citations

176
times ranked

2232
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible support for multiple access control policies. ACM Transactions on Database Systems, 2001, 26, 214-260.	2.8	479
2	A fine-grained access control system for XML documents. ACM Transactions on Information and System Security, 2002, 5, 169-202.	4.5	379
3	Access Control: Policies, Models, and Mechanisms. Lecture Notes in Computer Science, 2001, , 137-196.	1.3	325
4	An algebra for composing access control policies. ACM Transactions on Information and System Security, 2002, 5, 1-35.	4.5	253
5	Balancing confidentiality and efficiency in untrusted relational DBMSs. , 2003, , .		198
6	A Manifesto for Future Generation Cloud Computing. ACM Computing Surveys, 2019, 51, 1-38.	23.0	198
7	An Obfuscation-Based Approach for Protecting Location Privacy. IEEE Transactions on Dependable and Secure Computing, 2011, 8, 13-27.	5.4	193
8	Choosing reputable servents in a P2P network. , 2002, , .		189
9	A unified framework for enforcing multiple access control policies. , 1997, , .		174
10	A uniform framework for regulating service access and information release on the Web. Journal of Computer Security, 2002, 10, 241-271.	0.8	156
11	Combining fragmentation and encryption to protect privacy in data storage. ACM Transactions on Information and System Security, 2010, 13, 1-33.	4.5	146
12	Design and implementation of an access control processor for XML documents. Computer Networks, 2000, 33, 59-75.	5.1	111
13	Supporting location-based conditions in access control policies. , 2006, , .		109
14	Modeling and assessing inference exposure in encrypted databases. ACM Transactions on Information and System Security, 2005, 8, 119-152.	4.5	108
15	A flexible authorization mechanism for relational data management systems. ACM Transactions on Information Systems, 1999, 17, 101-140.	4.9	100
16	Data protection in outsourcing scenarios. , 2010, , .		96
17	Encryption policies for regulating access to outsourced data. ACM Transactions on Database Systems, 2010, 35, 1-46.	2.8	95
18	Authentication, access control, and audit. ACM Computing Surveys, 1996, 28, 241-243.	23.0	94

#	ARTICLE	IF	CITATIONS
19	A data outsourcing architecture combining cryptography and access control. , 2007, , .		83
20	Providing Security and Interoperation of Heterogeneous Systems. Distributed and Parallel Databases, 2000, 8, 119-145.	1.6	79
21	DATA PRIVACY: DEFINITIONS AND TECHNIQUES. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2012, 20, 793-817.	1.9	69
22	Key management for multi-user encrypted databases. , 2005, , .		68
23	Keep a Few: Outsourcing Data While Maintaining Confidentiality. Lecture Notes in Computer Science, 2009, , 440-455.	1.3	64
24	Fragmentation and Encryption to Enforce Privacy in Data Storage. Lecture Notes in Computer Science, 2007, , 171-186.	1.3	61
25	Supporting Security Requirements for Resource Management in Cloud Computing. , 2012, , .		61
26	Efficient and Private Access to Outsourced Data. , 2011, , .		58
27	Access control: principles and solutions. Software - Practice and Experience, 2003, 33, 397-421.	3.6	55
28	Fine grained access control for SOAP E-services. , 2001, , .		52
29	Access control policies and languages. International Journal of Computational Science and Engineering, 2007, 3, 94.	0.5	52
30	Access control for smarter healthcare using policy spaces. Computers and Security, 2010, 29, 848-858.	6.0	50
31	Authorizations in relational database management systems. , 1993, , .		45
32	Fragmentation Design for Efficient Query Execution over Sensitive Distributed Databases. , 2009, , .		44
33	Managing and accessing data in the cloud: Privacy risks and approaches. , 2012, , .		44
34	Database security: Research and practice. Information Systems, 1995, 20, 537-556.	3.6	41
35	Policies, Models, and Languages for Access Control. Lecture Notes in Computer Science, 2005, , 225-237.	1.3	40
36	Authorization specification and enforcement in federated database systems*. Journal of Computer Security, 1997, 5, 155-188.	0.8	38

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37	Exploiting cryptography for privacy-enhanced access control: A result of the PRIME Project. Journal of Computer Security, 2010, 18, 123-160.	0.8	38
38	Fragmentation in Presence of Data Dependencies. IEEE Transactions on Dependable and Secure Computing, 2014, 11, 510-523.	5.4	38
39	A WOWA-based Aggregation Technique on Trust Values Connected to Metadata. Electronic Notes in Theoretical Computer Science, 2006, 157, 131-142.	0.9	37
40	Fragments and loose associations. Proceedings of the VLDB Endowment, 2010, 3, 1370-1381.	3.8	35
41	Towards securing XML Web services. , 2002, , .		33
42	Selective data outsourcing for enforcing privacy*. Journal of Computer Security, 2011, 19, 531-566.	0.8	31
43	Expressive and Deployable Access Control in Open Web Service Applications. IEEE Transactions on Services Computing, 2011, 4, 96-109.	4.6	30
44	Enforcing dynamic write privileges in data outsourcing. Computers and Security, 2013, 39, 47-63.	6.0	30
45	An XACML-based privacy-centered access control system. , 2009, , .		29
46	A Web Service Architecture for Enforcing Access Control Policies. Electronic Notes in Theoretical Computer Science, 2006, 142, 47-62.	0.9	28
47	Mix&Slice. , 2016, , .		28
48	Preserving confidentiality of security policies in data outsourcing. , 2008, , .		28
49	Minimal data upgrading to prevent inference and association attacks. , 1999, , .		26
50	Integrity for join queries in the cloud. IEEE Transactions on Cloud Computing, 2013, 1, 187-200.	4.4	25
51	Enforcing Confidentiality Constraints on Sensitive Databases with Lightweight Trusted Clients. Lecture Notes in Computer Science, 2009, , 225-239.	1.3	24
52	Access Control in Location-Based Services. Lecture Notes in Computer Science, 2009, , 106-126.	1.3	23
53	Maximizing Sharing of Protected Information. Journal of Computer and System Sciences, 2002, 64, 496-541.	1.2	22
54	Securing Resources in Decentralized Cloud Storage. IEEE Transactions on Information Forensics and Security, 2020, 15, 286-298.	6.9	22

#	ARTICLE	IF	CITATIONS
55	Data Security and Privacy in the Cloud. Lecture Notes in Computer Science, 2014, , 28-41.	1.3	20
56	Authorization enforcement in distributed query evaluation*. Journal of Computer Security, 2011, 19, 751-794.	0.8	19
57	Protecting Privacy of User Information in Continuous Location-Based Services. , 2012, , .		19
58	Encryption and Fragmentation for Data Confidentiality in the Cloud. Lecture Notes in Computer Science, 2014, , 212-243.	1.3	19
59	Implementing a Reputation-Aware Gnutella Servent. Lecture Notes in Computer Science, 2002, , 321-334.	1.3	19
60	Enabling Privacy-preserving Credential-based Access Control with XACML and SAML. , 2010, , .		18
61	An OBDD approach to enforce confidentiality and visibility constraints in data publishing*. Journal of Computer Security, 2012, 20, 463-508.	0.8	18
62	Maintaining replicated authorizations in distributed database systems. Data and Knowledge Engineering, 1996, 18, 55-84.	3.4	17
63	Controlled Information Sharing in Collaborative Distributed Query Processing. , 2008, , .		17
64	A Fuzzy-Based Brokering Service for Cloud Plan Selection. IEEE Systems Journal, 2019, 13, 4101-4109.	4.6	16
65	Integrating trust management and access control in data-intensive Web applications. ACM Transactions on the Web, 2012, 6, 1-43.	2.5	15
66	XML Security. , 2007, , , 71-86.		15
67	Regulating Exceptions in Healthcare Using Policy Spaces. Lecture Notes in Computer Science, 2008, , 254-267.	1.3	15
68	An authorization model for a public key management service. ACM Transactions on Information and System Security, 2001, 4, 453-482.	4.5	14
69	Private data indexes for selective access to outsourced data. , 2011, , .		14
70	Providing Users' Anonymity in Mobile Hybrid Networks. ACM Transactions on Internet Technology, 2013, 12, 1-33.	4.4	14
71	Loose associations to increase utility in data publishing1. Journal of Computer Security, 2015, 23, 59-88.	0.8	14
72	Shuffle Index. ACM Transactions on Storage, 2015, 11, 1-55.	2.1	14

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73	Protecting information on the Web. Communications of the ACM, 2000, 43, 3.	4.5	13
74	Managing key hierarchies for access control enforcement: Heuristic approaches. Computers and Security, 2010, 29, 533-547.	6.0	13
75	Minimising disclosure of client information in credential-based interactions. International Journal of Information Privacy, Security and Integrity, 2012, 1, 205.	0.1	13
76	Supporting concurrency and multiple indexes in private access to outsourced data ¹ . Journal of Computer Security, 2013, 21, 425-461.	0.8	13
77	Integrity for distributed queries. , 2014, , .		13
78	Efficient integrity checks for join queries in the cloud ¹ . Journal of Computer Security, 2016, 24, 347-378.	0.8	13
79	Authorization and Access Control. , 2007, , 39-53.		13
80	Efficient Key Management for Enforcing Access Control in Outsourced Scenarios. IFIP Advances in Information and Communication Technology, 2009, , 364-375.	0.7	13
81	Practical Techniques Building on Encryption for Protecting and Managing Data in the Cloud. Lecture Notes in Computer Science, 2016, , 205-239.	1.3	12
82	Privacy Preservation over Untrusted Mobile Networks. Lecture Notes in Computer Science, 2009, , 84-105.	1.3	12
83	Logics for Authorizations and Security. , 2004, , 277-323.		12
84	Assessing query privileges via safe and efficient permission composition. , 2008, , .		11
85	Selective and Fine-Grained Access to Data in the Cloud. , 2014, , 123-148.		11
86	Protecting Privacy in Data Release. Lecture Notes in Computer Science, 2011, , 1-34.	1.3	11
87	Minimizing Disclosure of Private Information in Credential-based Interactions: A Graph-based Approach. , 2010, , .		10
88	Extending Loose Associations to Multiple Fragments. Lecture Notes in Computer Science, 2013, , 1-16.	1.3	10
89	Trust management services in relational databases. , 2007, , .		9
90	On information leakage by indexes over data fragments. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
91	A consensus-based approach for selecting cloud plans. , 2016, , .		9
92	A Middleware Architecture for Integrating Privacy Preferences and Location Accuracy. International Federation for Information Processing, 2007, , 313-324.	0.4	9
93	Supporting Concurrency in Private Data Outsourcing. Lecture Notes in Computer Science, 2011, , 648-664.	1.3	9
94	Modality conflicts in semantics aware access control. , 2006, , .		8
95	Managing Privacy in LBAC Systems. , 2007, , .		8
96	An authorization model for multi provider queries. Proceedings of the VLDB Endowment, 2017, 11, 256-268.	3.8	8
97	Towards Machine-Learning-Based 5G and Beyond Intelligent Networks: The MARSAL Project Vision. , 2021, , .		8
98	Protecting Access Confidentiality with Data Distribution and Swapping. , 2014, , .		7
99	Three-Server Swapping for Access Confidentiality. IEEE Transactions on Cloud Computing, 2018, 6, 492-505.	4.4	7
100	Dynamic Allocation for Resource Protection in Decentralized Cloud Storage. , 2019, , .		7
101	Supporting User Requirements and Preferences in Cloud Plan Selection. IEEE Transactions on Services Computing, 2019, , 1-1.	4.6	7
102	Supporting privacy preferences in credential-based interactions. , 2010, , .		7
103	Providing Mobile Users' Anonymity in Hybrid Networks. Lecture Notes in Computer Science, 2010, , 540-557.	1.3	7
104	An access control model for querying XML data. , 2005, , .		6
105	Data Security Issues in Cloud Scenarios. Lecture Notes in Computer Science, 2015, , 3-10.	1.3	6
106	A Dynamic Tree-Based Data Structure for Access Privacy in the Cloud. , 2016, , .		6
107	Supporting Application Requirements in Cloud-based IoT Information Processing. , 2016, , .		6
108	Protecting Data in Outsourcing Scenarios. , 2012, , 361-388.		5

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109	Modeling and preventing inferences from sensitive value distributions in data release1. Journal of Computer Security, 2012, 20, 393-436.	0.8	5
110	Managing Data Sharing in OpenStack Swift with Over-Encryption. , 2016, , .		5
111	Toward Ownersâ€™ Control in Digital Data Markets. IEEE Systems Journal, 2021, 15, 1299-1306.	4.6	5
112	Optimizing Integrity Checks for Join Queries in the Cloud. Lecture Notes in Computer Science, 2014, , 33-48.	1.3	5
113	CAS++: An Open Source Single Sign-On Solution for Secure e-Services. International Federation for Information Processing, 2006, , 208-220.	0.4	5
114	Guest Editorial Special Issue on Security for IoT: The State of the Art. IEEE Internet of Things Journal, 2014, 1, 369-371.	8.7	4
115	Enforcing authorizations while protecting access confidentiality1. Journal of Computer Security, 2018, 26, 143-175.	0.8	4
116	Security-Aware Data Allocation in Multicloud Scenarios. IEEE Transactions on Dependable and Secure Computing, 2021, , 1-1.	5.4	4
117	Access Control Management for Secure Cloud Storage. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 353-372.	0.3	4
118	Fine-Grained Disclosure of Access Policies. Lecture Notes in Computer Science, 2010, , 16-30.	1.3	4
119	Privacy-Enhanced Location Services Information. , 2007, , 307-326.		4
120	Protecting Privacy of Sensitive Value Distributions in Data Release. Lecture Notes in Computer Science, 2011, , 255-270.	1.3	4
121	An authorization model for query execution in the cloud. VLDB Journal, 0, , 1.	4.1	4
122	Privacy in the Electronic Society. Lecture Notes in Computer Science, 2006, , 1-21.	1.3	3
123	Data Protection in Cloud Scenarios. Lecture Notes in Computer Science, 2016, , 3-10.	1.3	3
124	Confidentiality Protection in Large Databases. Studies in Big Data, 2018, , 457-472.	1.1	3
125	Empowering Owners with Control in Digital Data Markets. , 2019, , .		3
126	The Architecture of a Privacy-Aware Access Control Decision Component. Lecture Notes in Computer Science, 2006, , 1-15.	1.3	3

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127	Selective and Private Access to Outsourced Data Centers. , 2015, , 997-1027.		3
128	Data security and privacy in the cloud. , 2019, , .		3
129	Personal Privacy in Mobile Networks. , 2011, , 201-214.		2
130	Communications and Networking for Smart Grid: Technology and Practice. International Journal of Digital Multimedia Broadcasting, 2011, 2011, 1-2.	0.6	2
131	Cloud plan selection under requirements of multiple applications. Security and Privacy, 2018, 1, e35.	2.7	2
132	Access Control for the Shuffle Index. Lecture Notes in Computer Science, 2016, , 130-147.	1.3	2
133	An Extended Authorization Model for Object Databases*. Journal of Computer Security, 1995, 3, 169-206.	0.8	1
134	Analysis, comparison and design of role-based security specifications. Data and Knowledge Engineering, 1996, 21, 31-55.	3.4	1
135	Guest Editorial Special Issue on Trust, Security, and Privacy in Crowdsourcing. IEEE Internet of Things Journal, 2018, 5, 2880-2883.	8.7	1
136	Adaptive Alert Management for Balancing Optimal Performance among Distributed CSOCs using Reinforcement Learning. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 16-33.	5.6	1
137	Distributed Query Evaluation over Encrypted Data. Lecture Notes in Computer Science, 2021, , 96-114.	1.3	1
138	Flexible Authorization Framework (FAF). , 2011, , 486-489.		1
139	Integrity for Approximate Joins on Untrusted Computational Servers. IFIP Advances in Information and Communication Technology, 2015, , 446-459.	0.7	1
140	Data Privacy “ Problems and Solutions. Lecture Notes in Computer Science, 2007, , 180-192.	1.3	1
141	New Directions in Access Control. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2005, , 279-293.	0.1	1
142	Privacy- Enhanced Identity Management for E-Services. , 2007, , 162-179.		1
143	Privacy in Pervasive Systems: Social and Legal Aspects and Technical Solutions. Data-centric Systems and Applications, 2015, , 43-65.	0.2	1
144	Protecting Resources and Regulating Access in Cloud-Based Object Storage. Lecture Notes in Computer Science, 2018, , 125-142.	1.3	1

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145	Access Privacy in the Cloud. Lecture Notes in Computer Science, 2018, , 186-205.	1.3	1
146	Digital infrastructure policies for data security and privacy in smart cities. , 2022, , 249-261.		1
147	Multi-dimensional indexes for point and range queries on outsourced encrypted data. , 2021, , .		1
148	Guest editors' preface. Journal of Computer Security, 1997, 5, 269-270.	0.8	0
149	Special issue on Security in the World Wide Web (WWW). Journal of Computer Security, 1997, 5, 189-190.	0.8	0
150	Foreword from the Conference Chairs. , 2011, , .		0
151	Supporting User Privacy Preferences in Digital Interactions. , 2013, , 813-834.		0
152	Message from the general chairs and technical program chairs. , 2015, , .		0
153	Panel on XML and Security. , 2002, , 317-323.		0
154	Protecting Information Privacy in the Electronic Society. Communications in Computer and Information Science, 2011, , 20-36.	0.5	0
155	Business Continuity Planning. , 0, , 671-688.		0
156	Database Security and Privacy. , 2014, , 53-1-53-21.		0
157	Supporting User Privacy Preferences in Digital Interactions. , 2017, , 801-822.		0
158	Enforcing Corporate Governance's Internal Controls and Audit in the Cloud. , 2020, , .		0