

Pierangela Samarati

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1146780/publications.pdf>

Version: 2024-02-01

158
papers

5,867
citations

159358

30
h-index

114278

63
g-index

176
all docs

176
docs citations

176
times ranked

2232
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital infrastructure policies for data security and privacy in smart cities. , 2022, , 249-261.		1
2	Toward Ownersâ€™ Control in Digital Data Markets. IEEE Systems Journal, 2021, 15, 1299-1306.	2.9	5
3	Security-Aware Data Allocation in Multicloud Scenarios. IEEE Transactions on Dependable and Secure Computing, 2021, , 1-1.	3.7	4
4	Distributed Query Evaluation over Encrypted Data. Lecture Notes in Computer Science, 2021, , 96-114.	1.0	1
5	Towards Machine-Learning-Based 5G and Beyond Intelligent Networks: The MARSAL Project Vision. , 2021, , .		8
6	Multi-dimensional indexes for point and range queries on outsourced encrypted data. , 2021, , .		1
7	Securing Resources in Decentralized Cloud Storage. IEEE Transactions on Information Forensics and Security, 2020, 15, 286-298.	4.5	22
8	Adaptive Alert Management for Balancing Optimal Performance among Distributed CSOCs using Reinforcement Learning. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 16-33.	4.0	1
9	Enforcing Corporate Governance's Internal Controls and Audit in the Cloud. , 2020, , .		0
10	A Fuzzy-Based Brokering Service for Cloud Plan Selection. IEEE Systems Journal, 2019, 13, 4101-4109.	2.9	16
11	Dynamic Allocation for Resource Protection in Decentralized Cloud Storage. , 2019, , .		7
12	Empowering Owners with Control in Digital Data Markets. , 2019, , .		3
13	A Manifesto for Future Generation Cloud Computing. ACM Computing Surveys, 2019, 51, 1-38.	16.1	198
14	Supporting User Requirements and Preferences in Cloud Plan Selection. IEEE Transactions on Services Computing, 2019, , 1-1.	3.2	7
15	Data security and privacy in the cloud. , 2019, , .		3
16	Three-Server Swapping for Access Confidentiality. IEEE Transactions on Cloud Computing, 2018, 6, 492-505.	3.1	7
17	Confidentiality Protection in Large Databases. Studies in Big Data, 2018, , 457-472.	0.8	3
18	Enforcing authorizations while protecting access confidentiality1. Journal of Computer Security, 2018, 26, 143-175.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Cloud plan selection under requirements of multiple applications. Security and Privacy, 2018, 1, e35.	1.9	2
20	Guest Editorial Special Issue on Trust, Security, and Privacy in Crowdsourcing. IEEE Internet of Things Journal, 2018, 5, 2880-2883.	5.5	1
21	Protecting Resources and Regulating Access in Cloud-Based Object Storage. Lecture Notes in Computer Science, 2018, , 125-142.	1.0	1
22	Access Privacy in the Cloud. Lecture Notes in Computer Science, 2018, , 186-205.	1.0	1
23	Access Control Management for Secure Cloud Storage. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 353-372.	0.2	4
24	An authorization model for multi provider queries. Proceedings of the VLDB Endowment, 2017, 11, 256-268.	2.1	8
25	Supporting User Privacy Preferences in Digital Interactions. , 2017, , 801-822.		0
26	Efficient integrity checks for join queries in the cloud. Journal of Computer Security, 2016, 24, 347-378.	0.5	13
27	Mix&Slice. , 2016, , .		28
28	Managing Data Sharing in OpenStack Swift with Over-Encryption. , 2016, , .		5
29	A Dynamic Tree-Based Data Structure for Access Privacy in the Cloud. , 2016, , .		6
30	Data Protection in Cloud Scenarios. Lecture Notes in Computer Science, 2016, , 3-10.	1.0	3
31	Practical Techniques Building on Encryption for Protecting and Managing Data in the Cloud. Lecture Notes in Computer Science, 2016, , 205-239.	1.0	12
32	A consensus-based approach for selecting cloud plans. , 2016, , .		9
33	Access Control for the Shuffle Index. Lecture Notes in Computer Science, 2016, , 130-147.	1.0	2
34	Supporting Application Requirements in Cloud-based IoT Information Processing. , 2016, , .		6
35	Message from the general chairs and technical program chairs. , 2015, , .		0
36	Data Security Issues in Cloud Scenarios. Lecture Notes in Computer Science, 2015, , 3-10.	1.0	6

#	ARTICLE	IF	CITATIONS
37	Loose associations to increase utility in data publishing1. Journal of Computer Security, 2015, 23, 59-88.	0.5	14
38	Integrity for Approximate Joins on Untrusted Computational Servers. IFIP Advances in Information and Communication Technology, 2015, , 446-459.	0.5	1
39	Shuffle Index. ACM Transactions on Storage, 2015, 11, 1-55.	1.4	14
40	Selective and Private Access to Outsourced Data Centers. , 2015, , 997-1027.		3
41	Privacy in Pervasive Systems: Social and Legal Aspects and Technical Solutions. Data-centric Systems and Applications, 2015, , 43-65.	0.2	1
42	Integrity for distributed queries. , 2014, , .		13
43	Guest Editorial Special Issue on Security for IoT: The State of the Art. IEEE Internet of Things Journal, 2014, 1, 369-371.	5.5	4
44	Protecting Access Confidentiality with Data Distribution and Swapping. , 2014, , .		7
45	Encryption and Fragmentation for Data Confidentiality in the Cloud. Lecture Notes in Computer Science, 2014, , 212-243.	1.0	19
46	Fragmentation in Presence of Data Dependencies. IEEE Transactions on Dependable and Secure Computing, 2014, 11, 510-523.	3.7	38
47	Selective and Fine-Grained Access to Data in the Cloud. , 2014, , 123-148.		11
48	Data Security and Privacy in the Cloud. Lecture Notes in Computer Science, 2014, , 28-41.	1.0	20
49	Optimizing Integrity Checks for Join Queries in the Cloud. Lecture Notes in Computer Science, 2014, , 33-48.	1.0	5
50	Database Security and Privacy. , 2014, , 53-1-53-21.		0
51	Enforcing dynamic write privileges in data outsourcing. Computers and Security, 2013, 39, 47-63.	4.0	30
52	Integrity for join queries in the cloud. IEEE Transactions on Cloud Computing, 2013, 1, 187-200.	3.1	25
53	Providing Usersâ€™ Anonymity in Mobile Hybrid Networks. ACM Transactions on Internet Technology, 2013, 12, 1-33.	3.0	14
54	Supporting concurrency and multiple indexes in private access to outsourced data1. Journal of Computer Security, 2013, 21, 425-461.	0.5	13

#	ARTICLE	IF	CITATIONS
55	On information leakage by indexes over data fragments. , 2013, , .		9
56	Supporting User Privacy Preferences in Digital Interactions. , 2013, , 813-834.		0
57	Extending Loose Associations to Multiple Fragments. Lecture Notes in Computer Science, 2013, , 1-16.	1.0	10
58	Integrating trust management and access control in data-intensive Web applications. ACM Transactions on the Web, 2012, 6, 1-43.	2.0	15
59	Minimising disclosure of client information in credential-based interactions. International Journal of Information Privacy, Security and Integrity, 2012, 1, 205.	0.1	13
60	Managing and accessing data in the cloud: Privacy risks and approaches. , 2012, , .		44
61	Supporting Security Requirements for Resource Management in Cloud Computing. , 2012, , .		61
62	Protecting Privacy of User Information in Continuous Location-Based Services. , 2012, , .		19
63	Protecting Data in Outsourcing Scenarios. , 2012, , 361-388.		5
64	DATA PRIVACY: DEFINITIONS AND TECHNIQUES. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2012, 20, 793-817.	0.9	69
65	An OBDD approach to enforce confidentiality and visibility constraints in data publishing*. Journal of Computer Security, 2012, 20, 463-508.	0.5	18
66	Modeling and preventing inferences from sensitive value distributions in data release1. Journal of Computer Security, 2012, 20, 393-436.	0.5	5
67	Efficient and Private Access to Outsourced Data. , 2011, , .		58
68	Personal Privacy in Mobile Networks. , 2011, , 201-214.		2
69	Communications and Networking for Smart Grid: Technology and Practice. International Journal of Digital Multimedia Broadcasting, 2011, 2011, 1-2.	0.4	2
70	Foreword from the Conference Chairs. , 2011, , .		0
71	Expressive and Deployable Access Control in Open Web Service Applications. IEEE Transactions on Services Computing, 2011, 4, 96-109.	3.2	30
72	Private data indexes for selective access to outsourced data. , 2011, , .		14

#	ARTICLE	IF	CITATIONS
73	An Obfuscation-Based Approach for Protecting Location Privacy. IEEE Transactions on Dependable and Secure Computing, 2011, 8, 13-27.	3.7	193
74	Authorization enforcement in distributed query evaluation*. Journal of Computer Security, 2011, 19, 751-794.	0.5	19
75	Selective data outsourcing for enforcing privacy*. Journal of Computer Security, 2011, 19, 531-566.	0.5	31
76	Flexible Authorization Framework (FAF). , 2011, , 486-489.		1
77	Protecting Privacy in Data Release. Lecture Notes in Computer Science, 2011, , 1-34.	1.0	11
78	Supporting Concurrency in Private Data Outsourcing. Lecture Notes in Computer Science, 2011, , 648-664.	1.0	9
79	Protecting Information Privacy in the Electronic Society. Communications in Computer and Information Science, 2011, , 20-36.	0.4	0
80	Protecting Privacy of Sensitive Value Distributions in Data Release. Lecture Notes in Computer Science, 2011, , 255-270.	1.0	4
81	Managing key hierarchies for access control enforcement: Heuristic approaches. Computers and Security, 2010, 29, 533-547.	4.0	13
82	Access control for smarter healthcare using policy spaces. Computers and Security, 2010, 29, 848-858.	4.0	50
83	Combining fragmentation and encryption to protect privacy in data storage. ACM Transactions on Information and System Security, 2010, 13, 1-33.	4.5	146
84	Enabling Privacy-preserving Credential-based Access Control with XACML and SAML. , 2010, , .		18
85	Minimizing Disclosure of Private Information in Credential-based Interactions: A Graph-based Approach. , 2010, , .		10
86	Exploiting cryptography for privacy-enhanced access control: A result of the PRIME Project. Journal of Computer Security, 2010, 18, 123-160.	0.5	38
87	Fragments and loose associations. Proceedings of the VLDB Endowment, 2010, 3, 1370-1381.	2.1	35
88	Encryption policies for regulating access to outsourced data. ACM Transactions on Database Systems, 2010, 35, 1-46.	1.5	95
89	Data protection in outsourcing scenarios. , 2010, , .		96
90	Fine-Grained Disclosure of Access Policies. Lecture Notes in Computer Science, 2010, , 16-30.	1.0	4

#	ARTICLE	IF	CITATIONS
91	Supporting privacy preferences in credential-based interactions. , 2010, , .		7
92	Providing Mobile Usersâ€™ Anonymity in Hybrid Networks. Lecture Notes in Computer Science, 2010, , 540-557.	1.0	7
93	An XACML-based privacy-centered access control system. , 2009, , .		29
94	Fragmentation Design for Efficient Query Execution over Sensitive Distributed Databases. , 2009, , .		44
95	Efficient Key Management for Enforcing Access Control in Outsourced Scenarios. IFIP Advances in Information and Communication Technology, 2009, , 364-375.	0.5	13
96	Enforcing Confidentiality Constraints on Sensitive Databases with Lightweight Trusted Clients. Lecture Notes in Computer Science, 2009, , 225-239.	1.0	24
97	Privacy Preservation over Untrusted Mobile Networks. Lecture Notes in Computer Science, 2009, , 84-105.	1.0	12
98	Access Control in Location-Based Services. Lecture Notes in Computer Science, 2009, , 106-126.	1.0	23
99	Keep a Few: Outsourcing Data While Maintaining Confidentiality. Lecture Notes in Computer Science, 2009, , 440-455.	1.0	64
100	Controlled Information Sharing in Collaborative Distributed Query Processing. , 2008, , .		17
101	Assessing query privileges via safe and efficient permission composition. , 2008, , .		11
102	Regulating Exceptions in Healthcare Using Policy Spaces. Lecture Notes in Computer Science, 2008, , 254-267.	1.0	15
103	Preserving confidentiality of security policies in data outsourcing. , 2008, , .		28
104	A data outsourcing architecture combining cryptography and access control. , 2007, , .		83
105	Trust management services in relational databases. , 2007, , .		9
106	Access control policies and languages. International Journal of Computational Science and Engineering, 2007, 3, 94.	0.4	52
107	Managing Privacy in LBAC Systems. , 2007, , .		8
108	Fragmentation and Encryption to Enforce Privacy in Data Storage. Lecture Notes in Computer Science, 2007, , 171-186.	1.0	61

#	ARTICLE	IF	CITATIONS
109	A Middleware Architecture for Integrating Privacy Preferences and Location Accuracy. International Federation for Information Processing, 2007, , 313-324.	0.4	9
110	Authorization and Access Control. , 2007, , 39-53.		13
111	XML Security. , 2007, , 71-86.		15
112	Data Privacy “ Problems and Solutions. Lecture Notes in Computer Science, 2007, , 180-192.	1.0	1
113	Privacy-Enhanced Location Services Information. , 2007, , 307-326.		4
114	Privacy- Enhanced Identity Management for E-Services. , 2007, , 162-179.		1
115	Supporting location-based conditions in access control policies. , 2006, , .		109
116	A Web Service Architecture for Enforcing Access Control Policies. Electronic Notes in Theoretical Computer Science, 2006, 142, 47-62.	0.9	28
117	A WOWA-based Aggregation Technique on Trust Values Connected to Metadata. Electronic Notes in Theoretical Computer Science, 2006, 157, 131-142.	0.9	37
118	Modality conflicts in semantics aware access control. , 2006, , .		8
119	Privacy in the Electronic Society. Lecture Notes in Computer Science, 2006, , 1-21.	1.0	3
120	The Architecture of a Privacy-Aware Access Control Decision Component. Lecture Notes in Computer Science, 2006, , 1-15.	1.0	3
121	CAS++: An Open Source Single Sign-On Solution for Secure e-Services. International Federation for Information Processing, 2006, , 208-220.	0.4	5
122	Policies, Models, and Languages for Access Control. Lecture Notes in Computer Science, 2005, , 225-237.	1.0	40
123	An access control model for querying XML data. , 2005, , .		6
124	Key management for multi-user encrypted databases. , 2005, , .		68
125	Modeling and assessing inference exposure in encrypted databases. ACM Transactions on Information and System Security, 2005, 8, 119-152.	4.5	108
126	New Directions in Access Control. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2005, , 279-293.	0.1	1

#	ARTICLE	IF	CITATIONS
127	Logics for Authorizations and Security. , 2004, , 277-323.		12
128	Access control: principles and solutions. Software - Practice and Experience, 2003, 33, 397-421.	2.5	55
129	Balancing confidentiality and efficiency in untrusted relational DBMSs. , 2003, , .		198
130	Choosing reputable servents in a P2P network. , 2002, , .		189
131	Towards securing XML Web services. , 2002, , .		33
132	An algebra for composing access control policies. ACM Transactions on Information and System Security, 2002, 5, 1-35.	4.5	253
133	A uniform framework for regulating service access and information release on the Web. Journal of Computer Security, 2002, 10, 241-271.	0.5	156
134	A fine-grained access control system for XML documents. ACM Transactions on Information and System Security, 2002, 5, 169-202.	4.5	379
135	Maximizing Sharing of Protected Information. Journal of Computer and System Sciences, 2002, 64, 496-541.	0.9	22
136	Implementing a Reputation-Aware Gnutella Servent. Lecture Notes in Computer Science, 2002, , 321-334.	1.0	19
137	Panel on XML and Security. , 2002, , 317-323.		0
138	Access Control: Policies, Models, and Mechanisms. Lecture Notes in Computer Science, 2001, , 137-196.	1.0	325
139	Fine grained access control for SOAP E-services. , 2001, , .		52
140	An authorization model for a public key management service. ACM Transactions on Information and System Security, 2001, 4, 453-482.	4.5	14
141	Flexible support for multiple access control policies. ACM Transactions on Database Systems, 2001, 26, 214-260.	1.5	479
142	Protecting information on the Web. Communications of the ACM, 2000, 43, 3.	3.3	13
143	Design and implementation of an access control processor for XML documents. Computer Networks, 2000, 33, 59-75.	3.2	111
144	Providing Security and Interoperation of Heterogeneous Systems. Distributed and Parallel Databases, 2000, 8, 119-145.	1.0	79

#	ARTICLE	IF	CITATIONS
145	Minimal data upgrading to prevent inference and association attacks. , 1999, , .		26
146	A flexible authorization mechanism for relational data management systems. ACM Transactions on Information Systems, 1999, 17, 101-140.	3.8	100
147	A unified framework for enforcing multiple access control policies. , 1997, , .		174
148	Guest editors' preface. Journal of Computer Security, 1997, 5, 269-270.	0.5	0
149	Special issue on Security in the World Wide Web (WWW). Journal of Computer Security, 1997, 5, 189-190.	0.5	0
150	Authorization specification and enforcement in federated database systems*. Journal of Computer Security, 1997, 5, 155-188.	0.5	38
151	Maintaining replicated authorizations in distributed database systems. Data and Knowledge Engineering, 1996, 18, 55-84.	2.1	17
152	Analysis, comparison and design of role-based security specifications. Data and Knowledge Engineering, 1996, 21, 31-55.	2.1	1
153	Authentication, access control, and audit. ACM Computing Surveys, 1996, 28, 241-243.	16.1	94
154	Database security: Research and practice. Information Systems, 1995, 20, 537-556.	2.4	41
155	An Extended Authorization Model for Object Databases*. Journal of Computer Security, 1995, 3, 169-206.	0.5	1
156	Authorizations in relational database management systems. , 1993, , .		45
157	Business Continuity Planning. , 0, , 671-688.		0
158	An authorization model for query execution in the cloud. VLDB Journal, 0, , 1.	2.7	4