

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

279 papers	6,000 citations	39 h-index	65 g-index
318 ext. papers	7,357 ext. citations	3 avg, IF	6.31 L-index

#	Paper	IF	Citations
279	State-of-the-art in privacy preserving data mining. <i>SIGMOD Record</i> , 2004 , 33, 50-57	1.1	489
278	TRBAC. <i>ACM Transactions on Information and System Security</i> , 2001 , 4, 191-233		423
277	Quality Control in Crowdsourcing Systems: Issues and Directions. <i>IEEE Internet Computing</i> , 2013 , 17, 76-84	1.4	224
276	Detecting anomalous access patterns in relational databases. <i>VLDB Journal</i> , 2008 , 17, 1063-1077	3.9	119
275	Secure Data Aggregation Technique for Wireless Sensor Networks in the Presence of Collusion Attacks. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2015 , 12, 98-110	3.9	109
274	An integrated approach to federated identity and privilege management in open systems. <i>Communications of the ACM</i> , 2007 , 50, 81-87	2.5	103
273	Effective Key Management in Dynamic Wireless Sensor Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 371-383	8	100
272	A Framework for Evaluating Privacy Preserving Data Mining Algorithms*. <i>Data Mining and Knowledge Discovery</i> , 2005 , 11, 121-154	5.6	93
271	Specifying and enforcing access control policies for XML document sources. <i>World Wide Web</i> , 2000 , 3, 139-151	2.9	92
270	Robust Multi-Factor Authentication for Fragile Communications. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2014 , 11, 568-581	3.9	85
269	Detecting mobile malware threats to homeland security through static analysis. <i>Journal of Network and Computer Applications</i> , 2014 , 38, 43-53	7.9	84
268	A Trust-Based Context-Aware Access Control Model for Web-Services. <i>Distributed and Parallel Databases</i> , 2005 , 18, 83-105	0.9	77
267	Collaboration in multicloud computing environments: Framework and security issues. <i>Computer</i> , 2013 , 46, 76-84	1.6	74
266	Kalis \square A System for Knowledge-Driven Adaptable Intrusion Detection for the Internet of Things 2017 ,		74
265	Watermarking Relational Databases Using Optimization-Based Techniques. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 116-129	4.2	71
264	Practical Approximate k Nearest Neighbor Queries with Location and Query Privacy. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 1546-1559	4.2	69
263	Privacy preserving multi-factor authentication with biometrics. <i>Journal of Computer Security</i> , 2007 , 15, 529-560	0.8	68

262	A Hybrid Approach to Private Record Linkage 2008 ,		57
261	A matching algorithm for measuring the structural similarity between an XML document and a DTD and its applications. <i>Information Systems</i> , 2004 , 29, 23-46	2.7	55
260	Efficient systematic clustering method for k-anonymization. <i>Acta Informatica</i> , 2011 , 48, 51-66	0.9	52
259	LTEInspector: A Systematic Approach for Adversarial Testing of 4G LTE 2018 ,		51
258	An Efficient Certificateless Encryption for Secure Data Sharing in Public Clouds. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2107-2119	4.2	50
257	Privacy-Preserving Detection of Sensitive Data Exposure. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 1092-1103	8	48
256	An Efficient Time-Bound Hierarchical Key Management Scheme for Secure Broadcasting. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2008 , 5, 65-70	3.9	48
255	Heimdall: Mitigating the Internet of Insecure Things. <i>IEEE Internet of Things Journal</i> , 2017 , 4, 968-978	10.7	47
254	XACML Policy Integration Algorithms. <i>ACM Transactions on Information and System Security</i> , 2008 , 11, 1-29		47
253	Single-Database Private Information Retrieval from Fully Homomorphic Encryption. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 1125-1134	4.2	46
252	Security Analysis of the SASI Protocol. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2009 , 6, 73-77	3.9	44
251	Trust Negotiation in Identity Management. <i>IEEE Security and Privacy</i> , 2007 , 5, 55-63	2	44
250	Privacy-Aware Role-Based Access Control. <i>IEEE Security and Privacy</i> , 2009 , 7, 35-43	2	43
249	EXAM: a comprehensive environment for the analysis of access control policies. <i>International Journal of Information Security</i> , 2010 , 9, 253-273	2.8	43
248	Context-Based Access Control Systems for Mobile Devices. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2015 , 12, 150-163	3.9	42
247	Secure kNN Query Processing in Untrusted Cloud Environments. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2818-2831	4.2	42
246	Structural signatures for tree data structures. <i>Proceedings of the VLDB Endowment</i> , 2008 , 1, 138-150	3.1	42
245	Robust and Universal Seamless Handover Authentication in 5G HetNets. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 18, 858-874	3.9	42

244	Practical k nearest neighbor queries with location privacy 2014 ,		41
243	Fine-Grained Cloaking of Sensitive Positions in Location-Sharing Applications. <i>IEEE Pervasive Computing</i> , 2011 , 10, 64-72	1.3	40
242	Using Anonymized Data for Classification. <i>Proceedings - International Conference on Data Engineering</i> , 2009 ,	2	40
241	An approach to evaluate policy similarity 2007 ,		40
240	Big Data for Open Digital Innovation A Research Roadmap. <i>Big Data Research</i> , 2015 , 2, 53-58	3.7	39
239	A conditional purpose-based access control model with dynamic roles. <i>Expert Systems With Applications</i> , 2011 , 38, 1482-1489	7.8	39
238	A Collaborative DDoS Defence Framework Using Network Function Virtualization. <i>IEEE Transactions on Information Forensics and Security</i> , 2017 , 12, 2483-2497	8	38
237	Certificateless Cryptographic Protocols for Efficient Drone-Based Smart City Applications. <i>IEEE Access</i> , 2017 , 5, 3721-3749	3.5	38
236	Pruning deep convolutional neural networks for efficient edge computing in condition assessment of infrastructures. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2019 , 34, 774-789	8.4	38
235	A Lightweight Secure Scheme for Detecting Provenance Forgery and Packet Drop Attacks in Wireless Sensor Networks. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2015 , 12, 256-269	3.9	38
234	Privacy Preserving OLAP over Distributed XML Data: A Theoretically-Sound Secure-Multiparty-Computation Approach. <i>Journal of Computer and System Sciences</i> , 2011 , 77, 965-987	1	37
233	Secure Provenance Transmission for Streaming Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 1890-1903	4.2	36
232	Authentication and key management for Advanced Metering Infrastructures utilizing physically unclonable functions 2012 ,		36
231	Database security: Research and practice. <i>Information Systems</i> , 1995 , 20, 537-556	2.7	36
230	PrivBioMTAuth: Privacy Preserving Biometrics-Based and User Centric Protocol for User Authentication From Mobile Phones. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 1042-1057	8	35
229	Building access control policy model for privacy preserving and testing policy conflicting problems. <i>Journal of Computer and System Sciences</i> , 2014 , 80, 1493-1503	1	35
228	A Critique of the ANSI Standard on Role-Based Access Control. <i>IEEE Security and Privacy</i> , 2007 , 5, 41-49	2	34
227	Access Control and Authorization Constraints for WS-BPEL 2006 ,		34

226	On the Properties of Non-Media Digital Watermarking: A Review of State of the Art Techniques. <i>IEEE Access</i> , 2016 , 4, 2670-2704	3.5	33
225	Protecting outsourced data in cloud computing through access management. <i>Concurrency Computation Practice and Experience</i> , 2016 , 28, 600-615	1.4	32
224	Dictionary Based Secure Provenance Compression for Wireless Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2016 , 27, 405-418	3.7	32
223	Privacy Preserving Delegated Access Control in Public Clouds. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2268-2280	4.2	32
222	Using automated individual white-list to protect web digital identities. <i>Expert Systems With Applications</i> , 2012 , 39, 11861-11869	7.8	32
221	Preserving privacy of feedback providers in decentralized reputation systems. <i>Computers and Security</i> , 2012 , 31, 816-826	4.9	31
220	Reputation Management in Crowdsourcing Systems 2012 ,		31
219	Efficient Privacy-Aware Record Integration 2013 , 167-178		30
218	RBAC models [concepts and trends. <i>Computers and Security</i> , 2003 , 22, 511-514	4.9	30
217	A role-involved purpose-based access control model. <i>Information Systems Frontiers</i> , 2012 , 14, 809-822	4	29
216	Access Control for Databases: Concepts and Systems. <i>Foundations and Trends in Databases</i> , 2010 , 3, 1-148	4	29
215	Privacy-preserving authentication of trees and graphs. <i>International Journal of Information Security</i> , 2013 , 12, 467-494	2.8	28
214	Establishing and protecting digital identity in federation systems. <i>Journal of Computer Security</i> , 2006 , 14, 269-300	0.8	28
213	Approximate and exact hybrid algorithms for private nearest-neighbor queries with database protection. <i>Geoinformatica</i> , 2011 , 15, 699-726	2.5	27
212	Blockchain-Based PKI Solutions for IoT 2018 ,		27
211	Privacy Preserving Location-Aware Personalized Web Service Recommendations. <i>IEEE Transactions on Services Computing</i> , 2021 , 14, 791-804	4.8	25
210	Privacy Preserving User-Based Recommender System 2017 ,		24
209	A Game-Theoretic Approach for High-Assurance of Data Trustworthiness in Sensor Networks 2012 ,		24

208	Micro-views, or on how to protect privacy while enhancing data usability. <i>SIGMOD Record</i> , 2006 , 35, 9-13	1.1	24
207	Android resource usage risk assessment using hidden Markov model and online learning. <i>Computers and Security</i> , 2017 , 65, 90-107	4.9	23
206	Continuous Intersection Joins Over Moving Objects 2008 ,		23
205	Privacy-Preserving and Content-Protecting Location Based Queries 2012 ,		22
204	Design and Implementation of an Intrusion Response System for Relational Databases. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2011 , 23, 875-888	4.2	22
203	Data security. <i>Data and Knowledge Engineering</i> , 1998 , 25, 199-216	1.5	22
202	A roadmap for privacy-enhanced secure data provenance. <i>Journal of Intelligent Information Systems</i> , 2014 , 43, 481-501	2.1	21
201	A Similarity Measure for Comparing XACML Policies. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 1946-1959	4.2	21
200	Collaborative commerce and knowledge management. <i>Knowledge and Process Management</i> , 2002 , 9, 43-53	1.8	21
199	Protection and administration of XML data sources. <i>Data and Knowledge Engineering</i> , 2002 , 43, 237-260	1.5	21
198	Fine-Grained Analysis of Packet Loss in MANETs. <i>IEEE Access</i> , 2017 , 5, 7798-7807	3.5	20
197	Highly efficient randomized authentication in VANETs. <i>Pervasive and Mobile Computing</i> , 2018 , 44, 31-44	3.5	20
196	Security-Aware Service Composition with Fine-Grained Information Flow Control. <i>IEEE Transactions on Services Computing</i> , 2013 , 6, 330-343	4.8	20
195	Secure data provenance compression using arithmetic coding in wireless sensor networks 2014 ,		20
194	Privacy-preserving incremental data dissemination. <i>Journal of Computer Security</i> , 2009 , 17, 43-68	0.8	20
193	Anonymous Geo-Forwarding in MANETs through Location Cloaking. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2008 , 19, 1297-1309	3.7	20
192	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 1591-1601	4.2	19
191	On the Complexity of Authorization in RBAC under Qualification and Security Constraints. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2011 , 8, 883-897	3.9	19

190	Ws-AC: A Fine Grained Access Control System for Web Services. <i>World Wide Web</i> , 2006 , 9, 143-171	2.9	19
189	Fine-grained integration of access control policies. <i>Computers and Security</i> , 2011 , 30, 91-107	4.9	18
188	A logic-based approach for enforcing access control1. <i>Journal of Computer Security</i> , 2000 , 8, 109-139	0.8	18
187	Interdependent Security Risk Analysis of Hosts and Flows. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 2325-2339	8	17
186	Provenance for Wireless Sensor Networks: A Survey. <i>Data Science and Engineering</i> , 2016 , 1, 189-200	3.6	17
185	Data Transparency with Blockchain and AI Ethics. <i>Journal of Data and Information Quality</i> , 2019 , 11, 1-8	2.5	17
184	A risk management approach to RBAC. <i>Risk and Decision Analysis</i> , 2009 , 1, 21-33	0.2	17
183	How Deep Learning Is Making Information Security More Intelligent. <i>IEEE Security and Privacy</i> , 2019 , 17, 56-65	2	16
182	Multi-route query processing and optimization. <i>Journal of Computer and System Sciences</i> , 2013 , 79, 312-329		16
181	TChimera: A temporal object-oriented data model. <i>Theory and Practice of Object Systems</i> , 1997 , 3, 103-125		16
180	An Analysis Study on Zone-Based Anonymous Communication in Mobile Ad Hoc Networks. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2007 , 4, 252-265	3.9	16
179	Access control for XML documents and data. <i>Information Security Technical Report</i> , 2004 , 9, 19-34		16
178	Data and syntax centric anomaly detection for relational databases. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2016 , 6, 231-239	6.9	16
177	Secure Seamless Bluetooth Low Energy Connection Migration for Unmodified IoT Devices. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 927-944	4.6	15
176	Practical privacy-preserving user profile matching in social networks 2016 ,		15
175	A Cognitive Policy Framework for Next-Generation Distributed Federated Systems: Concepts and Research Directions 2017 ,		15
174	Modeling and language support for the management of pattern-bases. <i>Data and Knowledge Engineering</i> , 2007 , 62, 368-397	1.5	15
173	Temporal authorization bases: From specification to integration. <i>Journal of Computer Security</i> , 2000 , 8, 309-353	0.8	15

172	Real-Time Digital Signatures for Time-Critical Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2017 , 12, 2627-2639	8	14
171	Methods and Tools for Policy Analysis. <i>ACM Computing Surveys</i> , 2019 , 51, 1-35	13.4	14
170	A System for Profiling and Monitoring Database Access Patterns by Application Programs for Anomaly Detection. <i>IEEE Transactions on Software Engineering</i> , 2017 , 43, 415-431	3.5	14
169	Privacy Techniques for Edge Computing Systems. <i>Proceedings of the IEEE</i> , 2019 , 107, 1632-1654	14.3	13
168	Android User Privacy Preserving Through Crowdsourcing. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 773-787	8	13
167	Data Security and Privacy: Concepts, Approaches, and Research Directions 2016 ,		13
166	Representation and querying of unfair evaluations in social rating systems. <i>Computers and Security</i> , 2014 , 41, 68-88	4.9	13
165	Scalable end-to-end security for advanced metering infrastructures. <i>Information Systems</i> , 2015 , 53, 213-223		13
164	TIAMAT. <i>Proceedings of the VLDB Endowment</i> , 2009 , 2, 1618-1621	3.1	13
163	A comprehensive simulation tool for the analysis of password policies. <i>International Journal of Information Security</i> , 2009 , 8, 275-289	2.8	13
162	CiVeDi. <i>SIGMOD Record</i> , 2004 , 33, 15-20	1.1	13
161	Data privacy for IoT systems: Concepts, approaches, and research directions 2016 ,		13
160	Efficient and Scalable Integrity Verification of Data and Query Results for Graph Databases. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 866-879	4.2	12
159	A formal proximity model for RBAC systems. <i>Computers and Security</i> , 2014 , 41, 52-67	4.9	12
158	Improving Scalability of Software Cloud for Composite Web Services 2009 ,		12
157	A New Model for Secure Dissemination of XML Content. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008 , 38, 292-301		12
156	Measuring the structural similarity among XML documents and DTDs. <i>Journal of Intelligent Information Systems</i> , 2008 , 30, 55-92	2.1	12
155	Index configuration in object-oriented databases. <i>VLDB Journal</i> , 1994 , 3, 355-399	3.9	12

154	Decentralized Public Key Infrastructure for Internet-of-Things 2018 ,		12
153	Privacy preserving delegated access control in the storage as a service model 2012 ,		11
152	The Design and Evaluation of Accountable Grid Computing System 2009 ,		11
151	A semantic-based execution model for multilevel secure workflows. <i>Journal of Computer Security</i> , 2000 , 8, 3-41	0.8	11
150	Modeling spatio-temporal constraints for multimedia objects. <i>Data and Knowledge Engineering</i> , 1999 , 30, 217-238	1.5	11
149	Private Searching on Streaming Data Based on Keyword Frequency. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2014 , 11, 155-167	3.9	10
148	Marlin: Mitigating Code Reuse Attacks Using Code Randomization. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2015 , 12, 326-337	3.9	10
147	A Conditional Role-Involved Purpose-Based Access Control Model. <i>Journal of Organizational Computing and Electronic Commerce</i> , 2011 , 21, 71-91	1.8	10
146	A formal model of views for object-oriented database systems. <i>Theory and Practice of Object Systems</i> , 1997 , 3, 157-183		10
145	Workflow authorisation in mediator-free environments. <i>International Journal of Security and Networks</i> , 2006 , 1, 2	0.5	10
144	2019 ,		10
143	Hybrid Private Record Linkage. <i>ACM Transactions on Privacy and Security</i> , 2019 , 22, 1-36	2.9	9
142	Detection of Temporal Insider Threats to Relational Databases 2017 ,		9
141	A General Framework for Web Content Filtering. <i>World Wide Web</i> , 2010 , 13, 215-249	2.9	9
140	Clustering techniques in object bases: A survey. <i>Data and Knowledge Engineering</i> , 1994 , 12, 255-275	1.5	9
139	Method precomputation in object-oriented databases. <i>ACM SIGOIS Bulletin</i> , 1991 , 12, 199-212		9
138	Impact and Key Challenges of Insider Threats on Organizations and Critical Businesses. <i>Electronics (Switzerland)</i> , 2020 , 9, 1460	2.6	9
137	A Game of Things 2017 ,		8

136	Isolating Misbehaving Nodes in MANETs with an Adaptive Trust Threshold Strategy. <i>Mobile Networks and Applications</i> , 2017 , 22, 493-509	2.9	8
135	No one can track you: Randomized authentication in Vehicular Ad-hoc Networks 2017 ,		8
134	Privacy Preserving Location Recommendations. <i>Lecture Notes in Computer Science</i> , 2017 , 502-516	0.9	8
133	Redefining Data Transparency: A Multidimensional Approach. <i>Computer</i> , 2019 , 52, 16-26	1.6	8
132	SimP: Secure interoperable multi-granular provenance framework 2016 ,		8
131	Extending social networks with delegation. <i>Computers and Security</i> , 2017 , 70, 546-564	4.9	8
130	Android malicious application detection using support vector machine and active learning 2017 ,		8
129	A Hybrid Approach to Private Record Matching. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2012 , 9, 684-698	3.9	8
128	Guest Editors' Introduction: Data Quality in the Internet Era. <i>IEEE Internet Computing</i> , 2010 , 14, 11-13	2.4	8
127	A constraint-based approach to shape management in multimedia databases. <i>Multimedia Systems</i> , 1998 , 6, 2-16	2.2	8
126	Policy Mapper: Administering Location-Based Access-Control Policies. <i>IEEE Internet Computing</i> , 2008 , 12, 38-45	2.4	8
125	Supporting Robust and Secure Interactions in Open Domains through Recovery of Trust Negotiations 2007 ,		8
124	On the number of descendants in an object DAG. <i>Information Processing Letters</i> , 1996 , 58, 211-216	0.8	8
123	Effectiveness of Model-Based Defenses for Digitally Controlled Industrial Systems: Nuclear Reactor Case Study. <i>Nuclear Technology</i> , 2020 , 206, 82-93	1.4	8
122	A-PANDDE: Advanced Provenance-based ANomaly Detection of Data Exfiltration. <i>Computers and Security</i> , 2019 , 84, 276-287	4.9	7
121	Building Sensor-Based Big Data Cyberinfrastructures. <i>IEEE Cloud Computing</i> , 2015 , 2, 64-69		7
120	A Data-Driven Evaluation for Insider Threats. <i>Data Science and Engineering</i> , 2016 , 1, 73-85	3.6	7
119	Overcoming the Lack of Labeled Data: Training Intrusion Detection Models Using Transfer Learning 2019 ,		7

118	Trust establishment in the formation of Virtual Organizations. <i>Computer Standards and Interfaces</i> , 2011 , 33, 13-23	3.5	7
117	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2010 , 21, 1473-1486	3.7	7
116	A distributed approach to enabling privacy-preserving model-based classifier training. <i>Knowledge and Information Systems</i> , 2009 , 20, 157-185	2.4	7
115	A Formal Definition of the Chimera Object-Oriented Data Model. <i>Journal of Intelligent Information Systems</i> , 1998 , 11, 5-40	2.1	7
114	Definition and analysis of index organizations for object-oriented database systems. <i>Information Systems</i> , 1998 , 23, 65-108	2.7	7
113	Spatial Domains for the Administration of Location-based Access Control Policies. <i>Journal of Network and Systems Management</i> , 2008 , 16, 277-302	2.1	7
112	ID2S Password-Authenticated Key Exchange Protocols. <i>IEEE Transactions on Computers</i> , 2016 , 1-1	2.5	7
111	Representing and Learning Grammars in Answer Set Programming. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 2919-2928	5	7
110	Privacy-Preserving User Profile Matching in Social Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 1572-1585	4.2	7
109	Distributed Intelligence 2017 ,		6
108	In the shadows we trust: A secure aggregation tolerant watermark for data streams 2015 ,		6
107	Provenance-Based Analytics Services for Access Control Policies 2017 ,		6
106	Fine-grained analysis of packet losses in wireless sensor networks 2014 ,		6
105	Privacy-Aware Location-Aided Routing in Mobile Ad Hoc Networks 2010 ,		6
104	Tagging stream data for rich real-time services. <i>Proceedings of the VLDB Endowment</i> , 2009 , 2, 73-84	3.1	6
103	Automatic Compliance of Privacy Policies in Federated Digital Identity Management 2008 ,		6
102	T-ODMG: an ODMG compliant temporal object model supporting multiple granularity management. <i>Information Systems</i> , 2003 , 28, 885-927	2.7	6
101	Protecting information on the Web. <i>Communications of the ACM</i> , 2000 , 43, 3	2.5	6

100	Towards Deductive Object Databases. <i>Theory and Practice of Object Systems</i> , 1995 , 1, 19-39		6
99	FastLAS: Scalable Inductive Logic Programming Incorporating Domain-Specific Optimisation Criteria. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 2877-2885	5	6
98	Semantics-aware Obfuscation for Location Privacy. <i>Journal of Computing Science and Engineering</i> , 2008 , 2, 137-160	1.8	6
97	ProFact: A Provenance-based Analytics Framework for Access Control Policies. <i>IEEE Transactions on Services Computing</i> , 2019 , 1-1	4.8	6
96	Private Cell Retrieval From Data Warehouses. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 1346-1361	8	5
95	Encryption key management for secure communication in smart advanced metering infrastructures 2013 ,		5
94	Visualization for Access Control Policy Analysis Results Using Multi-level Grids 2009 ,		5
93	A theoretical formulation for degrees of isolation in databases. <i>Information and Software Technology</i> , 1997 , 39, 47-53	3.4	5
92	Context-Aware Adaptation of Access-Control Policies. <i>IEEE Internet Computing</i> , 2008 , 12, 51-54	2.4	5
91	Efficient and Secure Content Processing and Distribution by Cooperative Intermediaries. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2008 , 19, 615-626	3.7	5
90	A database approach to quality of service specification in video databases. <i>SIGMOD Record</i> , 2003 , 32, 35-40	1.1	5
89	Content-based filtering of Web documents: the MaX system and the EUFORBIA project. <i>International Journal of Information Security</i> , 2003 , 2, 45-58	2.8	5
88	A logical approach to cooperative information systems. <i>The Journal of Logic Programming</i> , 2000 , 43, 15-48		5
87	Quality of service in multimedia digital libraries. <i>SIGMOD Record</i> , 2001 , 30, 35-40	1.1	5
86	Robust Sensor Localization against Known Sensor Position Attacks. <i>IEEE Transactions on Mobile Computing</i> , 2019 , 18, 2954-2967	4.6	5
85	The Challenge of Access Control Policies Quality. <i>Journal of Data and Information Quality</i> , 2018 , 10, 1-6	2.5	5
84	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 1446-1449	10.7	4
83	XACML Policy Evaluation with Dynamic Context Handling. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 2575-2588	4.2	4

82	Social-collaborative determinants of content quality in online knowledge production systems: comparing Wikipedia and Stack Overflow. <i>Social Network Analysis and Mining</i> , 2018 , 8, 1	2.2	4
81	A Collaborative Reputation System Based on Credibility Propagation in WSNs 2015 ,		4
80	Privacy-Preserving Enforcement of Spatially Aware RBAC. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2011 ,	3.9	4
79	Minimal credential disclosure in trust negotiations. <i>Identity in the Information Society</i> , 2009 , 2, 221-239		4
78	Resilient Authenticated Execution of Critical Applications in Untrusted Environments. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2012 , 9, 597-609	3.9	4
77	DECENTRALIZED ADMINISTRATION FOR A TEMPORAL ACCESS CONTROL MODEL. <i>Information Systems</i> , 1997 , 22, 223-248	2.7	4
76	A Policy-Based Accountability Tool for Grid Computing Systems 2008 ,		4
75	Secure Delta-Publishing of XML Content 2008 ,		4
74	Verification of Receipts from M-commerce Transactions on NFC Cellular Phones. <i>Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS)</i> , <i>International Workshop on</i> , 2008 ,		4
73	A Policy-Based Authorization Framework for Web Services: Integrating XGTRBAC and WS-Policy 2007 ,		4
72	A dynamic key management solution to access hierarchy. <i>International Journal of Network Management</i> , 2007 , 17, 437-450	1.8	4
71	XACML Function Annotations 2007 ,		4
70	Enhancing the expressive power of the U-Datalog language. <i>Theory and Practice of Logic Programming</i> , 2001 , 1, 105-122	0.8	4
69	Query optimization by using knowledge about data semantics. <i>Data and Knowledge Engineering</i> , 1992 , 9, 121-155	1.5	4
68	Anomaly Detection Techniques for Database Protection Against Insider Threats (Invited Paper) 2016 ,		4
67	A Secure Shuffling Mechanism for White-Box Attack-Resistant Unmanned Vehicles. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 19, 1023-1039	4.6	4
66	Detection of Temporal Data Ex-Filtration Threats to Relational Databases 2018 ,		4
65	Adaptive Trust Threshold Strategy for Misbehaving Node Detection and Isolation 2015 ,		3

64	Privacy-Preserving Assessment of Social Network Data Trustworthiness. <i>International Journal of Cooperative Information Systems</i> , 2014 , 23, 1441004	0.6	3
63	A system for securing push-based distribution of XML documents. <i>International Journal of Information Security</i> , 2007 , 6, 255-284	2.8	3
62	Securing XML documents. <i>SIGMOD Record</i> , 2001 , 30, 605	1.1	3
61	RahasNym: Pseudonymous Identity Management System for Protecting against Linkability 2016 ,		3
60	QL-Simp: Query Language for Secure Interoperable Multi-Granular Provenance Framework 2016 ,		3
59	Strategic Security Resource Allocation for Internet of Things 2016 ,		3
58	A Trust-Based Experience-Aware Framework for Integrating Fuzzy Recommendations. <i>IEEE Transactions on Services Computing</i> , 2019 , 1-1	4.8	3
57	Attacks on Artificial Intelligence [Last Word]. <i>IEEE Security and Privacy</i> , 2021 , 19, 103-104	2	3
56	A Comprehensive Query Language for Provenance Information. <i>International Journal of Cooperative Information Systems</i> , 2018 , 27, 1850007	0.6	3
55	A context-aware system to secure enterprise content: Incorporating reliability specifiers. <i>Computers and Security</i> , 2018 , 77, 162-178	4.9	2
54	Trusted Identities in Cyberspace. <i>IEEE Internet Computing</i> , 2012 , 16, 3-6	2.4	2
53	Modeling the Risk & Utility of Information Sharing in Social Networks 2012 ,		2
52	Detection and Protection against Distributed Denial of Service Attacks in Accountable Grid Computing Systems 2011 ,		2
51	A New Class of Buffer Overflow Attacks 2011 ,		2
50	Towards structure discovering in video data. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2005 , 17, 5-18	2	2
49	Ordering and Path Constraints over Semistructured Data. <i>Journal of Intelligent Information Systems</i> , 2003 , 20, 181-206	2.1	2
48	Refined rules termination analysis through transactions. <i>Information Systems</i> , 2003 , 28, 435-456	2.7	2
47	The Indiana Center for Database Systems at Purdue University. <i>SIGMOD Record</i> , 2005 , 34, 53-58	1.1	2

46	An apples-to-apples comparison of two database journals. <i>SIGMOD Record</i> , 2005 , 34, 61-64	1.1	2
45	Flexible Transaction Dependencies in Database Systems. <i>Distributed and Parallel Databases</i> , 2000 , 8, 399-446	0.9	2
44	Privacy-preserving techniques for location-based services. <i>SIGSPATIAL Special</i> , 2009 , 1, 2-3	2.3	2
43	AI-driven data security and privacy. <i>Journal of Network and Computer Applications</i> , 2020 , 172, 102842	7.9	2
42	Building robust temporal user profiles for anomaly detection in file system accesses 2016 ,		2
41	User Preference Based Link Inference for Social Network 2016 ,		2
40	IoT Security A Comprehensive Life Cycle Framework 2019 ,		2
39	Universally Composable Key Bootstrapping and Secure Communication Protocols for the Energy Internet. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 2113-2127	8	2
38	PAST: Protocol-Adaptable Security Tool for Heterogeneous IoT Ecosystems 2018 ,		2
37	Detecting deceptive engagement in social media by temporal pattern analysis of user behaviors: a survey. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2017 , 7, e1210	6.9	1
36	Analysis of Encryption Key Generation in Modern Crypto Ransomware. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2020 , 1-1	3.9	1
35	Securing Mobile Applications. <i>Computer</i> , 2016 , 49, 9-9	1.6	1
34	It Takes a Village to Secure Cellular Networks. <i>IEEE Security and Privacy</i> , 2019 , 17, 96-95	2	1
33	Adaptive Trust Update Frequency in MANETs 2015 ,		1
32	Defending against insider threats and internal data leakage. <i>Security and Communication Networks</i> , 2012 , 5, 831-833	1.9	1
31	ACM/Springer Mobile Networks and Applications (MONET) Special Issue on Collaborative Computing: Networking, Applications and Worksharing Mobile Networks and Applications, 2012 , 17, 325-326	2.9	1
30	Multiparty privacy protection for electronic health records 2013 ,		1
29	Mandatory security and object-oriented systems: A multilevel entity model and its mapping onto a single-level object model. <i>Theory and Practice of Object Systems</i> , 1998 , 4, 183-204		1

28	Privately Updating Suppression and Generalization based k-Anonymous Databases 2008 ,		1
27	A structure preserving approach for securing XML documents 2007 ,		1
26	Workflow Architecture for Interactive Video Management Systems. <i>Distributed and Parallel Databases</i> , 2002 , 11, 33-51	0.9	1
25	A Knowledge-Based Approach to Visual Information. <i>Journal of Intelligent Information Systems</i> , 2002 , 19, 319-341	2.1	1
24	Hierarchical data placement for navigational multimedia applications. <i>Data and Knowledge Engineering</i> , 2003 , 44, 49-80	1.5	1
23	An Extended Authorization Model for Object Databases*. <i>Journal of Computer Security</i> , 1995 , 3, 169-206	0.8	1
22	Achieving Stricter Correctness Requirements in Multilevel Secure Database Management Systems*. <i>Journal of Computer Security</i> , 1993 , 2, 311-351	0.8	1
21	SPrivAD: A secure and privacy-preserving mutually dependent authentication and data access scheme for smart communities. <i>Computers and Security</i> , 2022 , 115, 102610	4.9	1
20	An Anomaly Detection System for the Protection of Relational Database Systems against Data Leakage by Application Programs 2020 ,		1
19	SCiMet: Stable, sCalable and reliable Metric-based framework for quality assessment in collaborative content generation systems. <i>Journal of Informetrics</i> , 2021 , 15, 101127	3.1	1
18	. <i>IEEE Security and Privacy</i> , 2021 , 19, 95-96	2	1
17	Secure and Lightweight Authentication for Mobile Edge Computing Enabled WBANs. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
16	Can N-Version Decision-Making Prevent the Rebirth of HAL 9000 in Military Camo? Using a Golden Rule Threshold to Prevent AI Mission Individuation. <i>Lecture Notes in Computer Science</i> , 2019 , 69-81	0.9	0
15	Security of cellular networks position paper. <i>CCF Transactions on Networking</i> , 2020 , 3, 93-96	0.8	0
14	AQA: An Adaptive Quality Assessment Framework for Online Review Systems. <i>IEEE Transactions on Services Computing</i> , 2020 , 1-1	4.8	
13	Geoinformatica welcomes a new co-editor-in-chief. <i>Geoinformatica</i> , 2016 , 20, 569-570	2.5	
12	Agent-based accountable grid computing systems. <i>Journal of Supercomputing</i> , 2013 , 65, 903-929	2.5	
11	Security and Communication Networks (SCN), Wiley Online Library Special Issue on Defending Against Insider Threats and Internal Data Leakage http://wileyonlinelibrary.com/journal/sec . <i>Security and Communication Networks</i> , 2010 , 3, 355-356	1.9	

10	Network and information systems security. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2006 , 61, 242-244	2
9	Introducing dynamic behavior in amalgamated knowledge bases. <i>Theory and Practice of Logic Programming</i> , 2003 , 3, 625-669	0.8
8	A Logical Approach to Quality of Service Specification in Video Databases. <i>Multimedia Tools and Applications</i> , 2004 , 23, 75-101	2.5
7	A conceptual annotation approach to indexing in a Web-based information system. <i>NETNOMICS: Economic Research and Electronic Networking</i> , 2000 , 2, 247-264	2.3
6	Secure object deletion and garbage collection in multilevel object bases ¹ . <i>Journal of Computer Security</i> , 1999 , 7, 257-285	0.8
5	A View Mechanism for a Knowledge-Based Information System. <i>Integrated Computer-Aided Engineering</i> , 1994 , 1, 397-420	5.2
4	CryptoCliqIn: Graph-theoretic Cryptography using Clique Injection. <i>IEEE Intelligent Systems</i> , 2021 , 1-1	4.2
3	Orchestration or Automation: Authentication Flaw Detection in Android Apps. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 1-1	3.9
2	Guest Editor's Introduction: Special Section on EdgeAI as a Service. <i>IEEE Transactions on Services Computing</i> , 2022 , 15, 588-590	4.8
1	The Persistent Problem of Software Insecurity. <i>IEEE Security and Privacy</i> , 2022 , 20, 107-108	2