Jaideep Vaidya

List of Publications by Year
in descending order

86	2,473	331670	214800
papers	citations	21	47
		h-index	g-index

92	92	92	1540
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Tools for privacy preserving distributed data mining. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2002, 4, 28-34.	4.0	633
2	Privacy-preserving SVM classification. Knowledge and Information Systems, 2008, 14, 161-178.	3.2	183
3	Secure set intersection cardinality with application to association rule mining. Journal of Computer Security, 2005, 13, 593-622.	0.8	177
4	Privacy-preserving NaÃ¯ve Bayes classification. VLDB Journal, 2008, 17, 879-898.	4.1	162
5	Analysis of political discourse on twitter in the context of the 2016 US presidential elections. Government Information Quarterly, 2017, 34, 613-626.	6.8	115
6	Privacy-preserving decision trees over vertically partitioned data. ACM Transactions on Knowledge Discovery From Data, 2008, 2, 1-27.	3.5	106
7	A Survey of Role Mining. ACM Computing Surveys, 2016, 48, 1-37.	23.0	70
8	Efficient privacy-preserving similar document detection. VLDB Journal, 2010, 19, 457-475.	4.1	69
9	The role mining problem. ACM Transactions on Information and System Security, 2010, 13, 1-31.	4.5	57
10	Privacy-Preserving Kth Element Score over Vertically Partitioned Data. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 253-258.	5.7	55
11	Role Engineering via Prioritized Subset Enumeration. IEEE Transactions on Dependable and Secure Computing, 2010, 7, 300-314.	5.4	39
12	Privacy-preserving indexing of documents on the network. VLDB Journal, 2009, 18, 837-856.	4.1	33
13	Detecting inappropriate access to electronic health records using collaborative filtering. Machine Learning, 2014, 95, 87-101.	5.4	30
14	Sentiment based Analysis of Tweets during the US Presidential Elections. , 2017, , .		29
15	Edge-RMP: Minimizing administrative assignments for role-based access control. Journal of Computer Security, 2009, 17, 211-235.	0.8	27
16	Secure and efficient distributed linear programming. Journal of Computer Security, 2012, 20, 583-634.	0.8	26
17	Meeting Cardinality Constraints in Role Mining. IEEE Transactions on Dependable and Secure Computing, 2015, 12, 71-84.	5.4	26
18	Specification and Verification of Separation of Duty Constraints in Attribute-Based Access Control. IEEE Transactions on Information Forensics and Security, 2018, 13, 897-911.	6.9	26

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19	An Approach to Securely Identifying Beneficial Collaboration in Decentralized Logistics Systems. Manufacturing and Service Operations Management, 2008, 10, 108-125.	3.7	25
20	Migrating from RBAC to temporal RBAC. IET Information Security, 2017, 11, 294-300.	1.7	24
21	Location-based Sentiment Analyses and Visualization of Twitter Election Data. Digital Government Research and Practice (DGOV), 2020, 1, 1-19.	1.7	24
22	Constraint-Aware Role Mining Via Extended Boolean Matrix Decomposition. IEEE Transactions on Dependable and Secure Computing, 2012, , .	5.4	23
23	An optimization framework for role mining. Journal of Computer Security, 2014, 22, 1-31.	0.8	22
24	A Survey of Privacy-Aware Supply Chain Collaboration: From Theory to Applications. Journal of Information Systems, 2014, 28, 243-268.	1.2	22
25	Spatial neighborhood based anomaly detection in sensor datasets. Data Mining and Knowledge Discovery, 2010, 20, 221-258.	3.7	20
26	Perfectly Secure and Efficient Two-Party Electronic-Health-Record Linkage. IEEE Internet Computing, 2018, 22, 32-41.	3.3	18
27	Managing attribute-based access control policies in a unified framework using data warehousing and in-memory database. Computers and Security, 2019, 86, 183-205.	6.0	18
28	The generalized temporal role mining problem. Journal of Computer Security, 2015, 23, 31-58.	0.8	17
29	Efficient Bottom-Up Mining of Attribute Based Access Control Policies. , 2017, 2017, 339-348.		17
30	Web-based application for sentiment analysis of live tweets. , 2018, , .		17
31	Private Searching on Streaming Data Based on Keyword Frequency. IEEE Transactions on Dependable and Secure Computing, 2014, 11, 155-167.	5.4	16
32	Mining temporal roles using many-valued concepts. Computers and Security, 2016, 60, 79-94.	6.0	16
33	Security analysis for temporal role based access control. Journal of Computer Security, 2014, 22, 961-996.	0.8	15
34	Policy Engineering in RBAC and ABAC. Lecture Notes in Computer Science, 2018, , 24-54.	1.3	15
35	Security analysis of temporal RBAC under an administrative model. Computers and Security, 2014, 46, 154-172.	6.0	14
36	Analysis and visualization of subjectivity and polarity of Twitter location data. , 2018, , .		13

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37	A profile anonymization model for location-based services. Journal of Computer Security, 2011, 19, 795-833.	0.8	12
38	AMTRAC: An administrative model for temporal role-based access control. Computers and Security, 2013, 39, 201-218.	6.0	12
39	Boolean Matrix Decomposition Problem: Theory, Variations and Applications to Data Engineering. , 2012, , .		11
40	An inferenceâ€"proof approach to privacy-preserving horizontally partitioned linear programs. Optimization Letters, 2014, 8, 267-277.	1.6	11
41	Deploying ABAC policies using RBAC systems. Journal of Computer Security, 2019, 27, 483-506.	0.8	11
42	Security analysis of ABAC under an administrative model. IET Information Security, 2019, 13, 96-103.	1.7	11
43	Resource sharing using UICDSâ„¢ framework for incident management. Transforming Government: People, Process and Policy, 2012, 6, 41-61.	2.1	10
44	PolTree. , 2019, 2019, 25-35.		10
45	Efficient security policy enforcement for the mobile environment. Journal of Computer Security, 2008, 16, 439-475.	0.8	9
46	How to Accurately and Privately Identify Anomalies. , 2019, 2019, 719-736.		9
47	Identifying inference attacks against healthcare data repositories. AMIA Summits on Translational Science Proceedings, 2013, 2013, 262-6.	0.4	9
48	Anonymization models for directional location based service environments. Computers and Security, 2010, 29, 59-73.	6.0	8
49	A side-channel attack on smartphones: Deciphering key taps using built-in microphones. Journal of Computer Security, 2018, 26, 255-281.	0.8	8
50	HyPE: A Hybrid Approach toward Policy Engineering in Attribute-Based Access Control. IEEE Letters of the Computer Society, 2018, 1, 25-29.	1.0	8
51	PEER. International Journal of E-Planning Research, 2015, 4, 29-46.	1.4	7
52	Enabling the Deployment of ABAC Policies in RBAC Systems. Lecture Notes in Computer Science, 2018, 10980, 51-68.	1.3	7
53	Minimizing Organizational User Requirement while Meeting Security Constraints. ACM Transactions on Management Information Systems, 2015, 6, 1-25.	2.8	7
54	Opinions of people. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2014, 14, 7-21.	0.9	6

#	Article	IF	Citations
55	An Administrative Model for Collaborative Management of ABAC Systems and Its Security Analysis. , 2016, , .		6
56	Using Gini Impurity to Mine Attribute-based Access Control Policies with Environment Attributes. , 2018, 2018, 213-215.		6
57	Policy Adaptation in Hierarchical Attribute-based Access Control Systems. ACM Transactions on Internet Technology, 2019, 19, 1-24.	4.4	6
58	A Role-Based Administrative Model for Administration of Heterogeneous Access Control Policies and its Security Analysis. Information Systems Frontiers, 0, , 1.	6.4	6
59	Security Analysis of Unified Access Control Policies. Communications in Computer and Information Science, 2020, , 126-146.	0.5	6
60	Policy Adaptation in Attribute-Based Access Control for Inter-Organizational Collaboration. , 2017, , .		5
61	Enabling Workforce Optimization in Constrained Attribute-Based Access Control Systems. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1901-1913.	4.6	5
62	Statistical Database Auditing Without Query Denial Threat. INFORMS Journal on Computing, 2015, 27, 20-34.	1.7	4
63	Accurate and efficient query clustering via top ranked search results. Web Intelligence, 2016, 14, 119-138.	0.2	4
64	Differentially Private Outlier Detection in a Collaborative Environment. International Journal of Cooperative Information Systems, 2018, 27, 1850005.	0.8	4
65	Privacy-preserving Linear Programming. , 2018, , 71-93.		3
66	A Framework for Dynamic Composition and Management of Emergency Response Processes. IEEE Transactions on Services Computing, 2022, 15, 2018-2031.	4.6	3
67	A Guide for Private Outlier Analysis. IEEE Letters of the Computer Society, 2020, 3, 29-33.	1.0	3
68	Collaborative Business Process Fault Resolution in the Services Cloud. IEEE Transactions on Services Computing, 2021, , 1-1.	4.6	3
69	VisMAP: Visual Mining of Attribute-Based Access Control Policies. Lecture Notes in Computer Science, 2019, , 79-98.	1.3	3
70	Intelligent Pandemic Surveillance via Privacy-Preserving Crowdsensing. IEEE Intelligent Systems, 2022, 37, 88-96.	4.0	3
71	A unified index structure for efficient enforcement of spatiotemporal authorisations. International Journal of Information and Computer Security, 2010, 4, 118.	0.2	2
72	Secure construction and publication of contingency tables from distributed data. Journal of Computer Security, 2011, 19, 453-484.	0.8	2

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73	Using classification for role-based access control management. International Journal of Technology, Policy and Management, 2016, 16, 45.	0.3	2
74	Central Attribute Authority (CAA): A Vision for Seamless Sharing of Organizational Resources. , 2019, , .		2
75	Optimal Employee Recruitment in Organizations under Attribute-Based Access Control. ACM Transactions on Management Information Systems, 2021, 12, 1-24.	2.8	2
76	Towards designing robust CAPTCHAs. Journal of Computer Security, 2018, 26, 731-760.	0.8	1
77	Information Security and Privacy â€" Challenges and Outlook. IFIP Advances in Information and Communication Technology, 2021, , 383-401.	0.7	1
78	Analyzing social media messages of public sector organizations utilizing sentiment analysis and topic modeling. Information Polity, 2021, 26, 375-390.	0.8	1
79	Privacy-preserving item-based recommendations over partitioned data with overlaps. International Journal of Business Information Systems, 2017, 25, 336.	0.2	1
80	Identifying Anomalies While Preserving Privacy. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 12264-12281.	5.7	1
81	Information sharing infrastructure for pharmaceutical supply chain management in emergency response. , 2010, , .		0
82	Efficient Evaluation of Authorizations for Video Data. , 2016, , .		0
83	Social Media Communication of Public Sector Organizations. , 2019, , .		0
84	Advances in Hardware Trojan Detection. Computer, 2019, 52, 4-5.	1.1	0
85	Efficient determination of equivalence for encrypted data. Computers and Security, 2020, 97, 101939.	6.0	0
86	Securely Connecting Wearables to Displays. Computer, 2020, 53, 4-5.	1.1	0