

# Xingliang Yuan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4167987/publications.pdf>

Version: 2024-02-01

80  
papers

1,542  
citations

516710

16  
h-index

552781

26  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1004  
citing authors

#	ARTICLE	IF	CITATIONS
1	ShieldDB: An Encrypted Document Database With Padding Countermeasures. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 4236-4252.	5.7	3
2	Securely Outsourcing Neural Network Inference to the Cloud With Lightweight Techniques. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 620-636.	5.4	9
3	Aggregation Service for Federated Learning: An Efficient, Secure, and More Resilient Realization. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 988-1001.	5.4	28
4	Defeating Misclassification Attacks Against Transfer Learning. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 886-901.	5.4	3
5	Non-Interactive Multi-Client Searchable Encryption: Realization and Implementation. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 452-467.	5.4	22
6	Practical Encrypted Network Traffic Pattern Matching for Secure Middleboxes. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2609-2621.	5.4	11
7	Semi-Supervised Federated Learning for Travel Mode Identification From GPS Trajectories. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2380-2391.	8.0	25
8	Leia: A Lightweight Cryptographic Neural Network Inference System at the Edge. IEEE Transactions on Information Forensics and Security, 2022, 17, 237-252.	6.9	10
9	Verifiable searchable symmetric encryption for conjunctive keyword queries in cloud storage. Frontiers of Computer Science, 2022, 16, 1.	2.4	7
10	Deep learning-based medical diagnostic services: A secure, lightweight, and accurate realization1. Journal of Computer Security, 2022, , 1-33.	0.8	0
11	Towards Encrypted In-Network Storage Services with Secure Near-Duplicate Detection. IEEE Transactions on Services Computing, 2021, 14, 998-1012.	4.6	8
12	Enabling Reliable Keyword Search in Encrypted Decentralized Storage with Fairness. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 131-144.	5.4	63
13	Enabling Authorized Encrypted Search for Multi-Authority Medical Databases. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 534-546.	4.6	15
14	Towards Efficient Cryptographic Data Validation Service in Edge Computing. IEEE Transactions on Services Computing, 2021, , 1-1.	4.6	4
15	: Towards Secure and Lightweight Deep Learning as a Medical Diagnostic Service. Lecture Notes in Computer Science, 2021, , 519-541.	1.3	7
16	OblivSketch: Oblivious Network Measurement as a Cloud Service. , 2021, , .		7
17	Practical Non-Interactive Searchable Encryption with Forward and Backward Privacy. , 2021, , .		44
18	Towards A First Step to Understand Flash Loan and Its Applications in DeFi Ecosystem. , 2021, , .		48

#	ARTICLE	IF	CITATIONS
19	Privacy-preserving batch verification signature scheme based on blockchain for Vehicular Ad-Hoc Networks. <i>Journal of Information Security and Applications</i> , 2021, 58, 102698.	2.5	18
20	Towards Efficient and Strong Backward Private Searchable Encryption with Secure Enclaves. <i>Lecture Notes in Computer Science</i> , 2021, , 50-75.	1.3	12
21	Interpreting and Mitigating Leakage-Abuse Attacks in Searchable Symmetric Encryption. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 5310-5325.	6.9	13
22	Adapting Membership Inference Attacks to GNN for Graph Classification: Approaches and Implications. , 2021, , .		13
23	Privacy-Aware and Efficient Mobile Crowdsensing with Truth Discovery. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2020, 17, 121-133.	5.4	68
24	A Practical System for Privacy-Aware Targeted Mobile Advertising Services. <i>IEEE Transactions on Services Computing</i> , 2020, 13, 410-424.	4.6	7
25	Enabling Encrypted Boolean Queries in Geographically Distributed Databases. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2020, 31, 634-646.	5.6	12
26	Enabling Efficient Privacy-Assured Outlier Detection Over Encrypted Incremental Data Sets. <i>IEEE Internet of Things Journal</i> , 2020, 7, 2651-2662.	8.7	4
27	A scalable ledger-assisted architecture for secure query processing over distributed IoT data. <i>CCF Transactions on Networking</i> , 2020, 3, 97-111.	1.1	4
28	Privacy-Preserving Packet Header Checking Over in-the-Cloud Middleboxes. <i>IEEE Internet of Things Journal</i> , 2020, 7, 5359-5370.	8.7	14
29	Accelerating Forward and Backward Private Searchable Encryption Using Trusted Execution. <i>Lecture Notes in Computer Science</i> , 2020, , 83-103.	1.3	17
30	Encrypted Search for Medical Data. , 2020, , 400-404.		0
31	ServeDB: Secure, Verifiable, and Efficient Range Queries on Outsourced Database. , 2019, , .		43
32	Multi-Writer Searchable Encryption. , 2019, , .		23
33	Hardening Database Padding for Searchable Encryption. , 2019, , .		32
34	GraphSE <sup>2</sup> . , 2019, , .		14
35	An Encrypted Database with Enforced Access Control and Blockchain Validation. <i>Lecture Notes in Computer Science</i> , 2019, , 260-273.	1.3	2
36	Towards a Ledger-Assisted Architecture for Secure Query Processing over Distributed IoT Data. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
37	LightBox. , 2019, , .		42
38	Toward Secure and Scalable Computation in Internet of Things Data Applications. IEEE Internet of Things Journal, 2019, 6, 3753-3763.	8.7	9
39	Treasure Collection on Foggy Islands: Building Secure Network Archives for Internet of Things. IEEE Internet of Things Journal, 2019, 6, 2637-2650.	8.7	15
40	Enabling Encrypted Rich Queries in Distributed Key-Value Stores. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 1283-1297.	5.6	23
41	Encrypted Search for Medical Data. , 2019, , 1-5.		0
42	Secure Integrated Circuit Design via Hybrid Cloud. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1851-1864.	5.6	2
43	Enabling Generic, Verifiable, and Secure Data Search in Cloud Services. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1721-1735.	5.6	71
44	Assuring String Pattern Matching in Outsourced Middleboxes. IEEE/ACM Transactions on Networking, 2018, 26, 1362-1375.	3.8	9
45	Towards Privacy-Preserving and Practical Image-Centric Social Discovery. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 868-882.	5.4	15
46	Toward Secure Outsourced Middlebox Services: Practices, Challenges, and Beyond. IEEE Network, 2018, 32, 166-171.	6.9	23
47	A Bandwidth-Efficient Middleware for Encrypted Deduplication. , 2018, , .		7
48	Enabling Privacy-Preserving Header Matching for Outsourced Middleboxes. , 2018, , .		13
49	Towards Privacy-Preserving Forensic Analysis for Time-Series Medical Data. , 2018, , .		2
50	Practical Backward-Secure Searchable Encryption from Symmetric Puncturable Encryption. , 2018, , .		125
51	Non-Interactive Privacy-Preserving Truth Discovery in Crowd Sensing Applications. , 2018, , .		43
52	Enabling Privacy-assured Mobile Advertisement Targeting and Dissemination. , 2017, , .		0
53	EncKV. , 2017, , .		39
54	A Generic Method for Accelerating LSH-Based Similarity Join Processing. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 712-726.	5.7	16

#	ARTICLE	IF	CITATIONS
55	Towards trustworthy and private keyword search in encrypted decentralized storage. , 2017, , .		52
56	A Generic Method for Accelerating LSH-Based Similarity Join Processing (Extended Abstract). , 2017, , .		1
57	EncSIM: An encrypted similarity search service for distributed high-dimensional datasets. , 2017, , .		11
58	Privacy-Preserving Similarity Joins Over Encrypted Data. IEEE Transactions on Information Forensics and Security, 2017, 12, 2763-2775.	6.9	26
59	Harnessing Encrypted Data in Cloud for Secure and Efficient Mobile Image Sharing. IEEE Transactions on Mobile Computing, 2017, 16, 1315-1329.	5.8	20
60	Toward Encrypted Cloud Media Center With Secure Deduplication. IEEE Transactions on Multimedia, 2017, 19, 251-265.	7.2	49
61	Hardening Distributed and Encrypted Keyword Search via Blockchain. , 2017, , .		25
62	Secure multi-client data access with boolean queries in distributed key-value stores. , 2017, , .		6
63	Bringing execution assurances of pattern matching in outsourced middleboxes. , 2016, , .		15
64	Towards Secure and Accurate Targeted Mobile Coupon Delivery. IEEE Access, 2016, 4, 8116-8126.	4.2	6
65	Towards verifiable outsourced middleboxes. , 2016, , .		0
66	Privacy-preserving deep packet inspection in outsourced middleboxes. , 2016, , .		47
67	Enabling secure and effective near-duplicate detection over encrypted in-network storage. , 2016, , .		25
68	Enabling Secure and Fast Indexing for Privacy-Assured Healthcare Monitoring via Compressive Sensing. IEEE Transactions on Multimedia, 2016, 18, 2002-2014.	7.2	40
69	Enabling Secure and Efficient Video Delivery Through Encrypted In-Network Caching. IEEE Journal on Selected Areas in Communications, 2016, 34, 2077-2090.	14.0	15
70	Building an Encrypted, Distributed, and Searchable Key-value Store. , 2016, , .		22
71	Privacy-Preserving Ridesharing Recommendation in Geosocial Networks. Lecture Notes in Computer Science, 2016, , 193-205.	1.3	4
72	Towards Secure and Practical Targeted Mobile Advertising. , 2015, , .		4

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73	Towards a scalable, private, and searchable key-value store. , 2015, , .		0
74	Enabling Encrypted Cloud Media Center with Secure Deduplication. , 2015, , .		22
75	Towards secure and practical targeted mobile advertising. , 2015, , .		0
76	Enabling Privacy-Assured Similarity Retrieval over Millions of Encrypted Records. Lecture Notes in Computer Science, 2015, , 40-60.	1.3	30
77	Enabling IP Protection for Outsourced Integrated Circuit Design. , 2015, , .		2
78	Harnessing encrypted data in cloud for secure and efficient image sharing from mobile devices. , 2015, , .		15
79	Enabling Privacy-Preserving Image-Centric Social Discovery. , 2014, , .		37
80	Statistical timing verification for transparently latched circuits through structural graph traversal. , 2010, , .		1