

Li Xiong

List of Publications by Year in Descending Order

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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.

144 papers	3,692 citations	30 h-index	57 g-index
158 ext. papers	4,498 ext. citations	2.9 avg, IF	5.88 L-index

#	Paper	IF	Citations
144	Privacy and Security Issues in DDDAS Systems 2022 , 629-644		
143	Privacy-preserving Sequential Pattern Mining in distributed EHRs for Predicting Cardiovascular Disease. <i>AMIA Summits on Translational Science Proceedings</i> , 2021 , 2021, 384-393	1.1	
142	Generating Adversarial Examples with Distance Constrained Adversarial Imitation Networks. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 1-1	3.9	3
141	Transparent Contribution Evaluation for Secure Federated Learning on Blockchain 2021 ,		5
140	Communication Efficient Federated Generalized Tensor Factorization for Collaborative Health Data Analytics 2021 , 2021, 171-182		1
139	REACT: Real-Time Contact Tracing and Risk Monitoring via Privacy-Enhanced Mobile Tracking 2021 ,		3
138	Skyline Diagram: Efficient Space Partitioning for Skyline Queries. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 33, 271-286	4.2	3
137	Group-Based Skyline for Pareto Optimal Groups. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 33, 2914-2929	4.2	3
136	CrowdTeacher: Robust Co-teaching with Noisy Answers and Sample-Specific Perturbations for Tabular Data. <i>Lecture Notes in Computer Science</i> , 2021 , 12713, 181-193	0.9	
135	Visually aware recommendation with aesthetic features. <i>VLDB Journal</i> , 2021 , 30, 495-513	3.9	5
134	Benchmarking blockchain-based gene-drug interaction data sharing methods: A case study from the iDASH 2019 secure genome analysis competition blockchain track. <i>International Journal of Medical Informatics</i> , 2021 , 154, 104559	5.3	4
133	Projected federated averaging with heterogeneous differential privacy. <i>Proceedings of the VLDB Endowment</i> , 2021 , 15, 828-840	3.1	0
132	Providing Input-Discriminative Protection for Local Differential Privacy 2020 ,		12
131	Protecting Spatiotemporal Event Privacy in Continuous Location-Based Services. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	9
130	EdgeInfer: Robust Truth Inference under Data Poisoning Attack 2020 ,		1
129	REACT. <i>SIGSPATIAL Special</i> , 2020 , 12, 3-14	2.3	7
128	PANDA. <i>Proceedings of the VLDB Endowment</i> , 2020 , 13, 3001-3004	3.1	5

127	PGLP: Customizable and Rigorous Location Privacy Through Policy Graph. <i>Lecture Notes in Computer Science</i> , 2020 , 655-676	0.9	1
126	Crowdsourcing Under Data Poisoning Attacks: A Comparative Study. <i>Lecture Notes in Computer Science</i> , 2020 , 310-332	0.9	12
125	Generating sequential electronic health records using dual adversarial autoencoder. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 1411-1419	8.6	7
124	Efficient logging and querying for blockchain-based cross-site genomic dataset access audit. <i>BMC Medical Genomics</i> , 2020 , 13, 91	3.7	4
123	Regularizing Neural Networks via Minimizing Hyperspherical Energy 2020 ,		5
122	Efficient Contour Computation of Group-Based Skyline. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 32, 1317-1332	4.2	5
121	Supporting Both Range Queries and Frequency Estimation with Local Differential Privacy 2019 ,		9
120	PriSTE: From Location Privacy to Spatiotemporal Event Privacy 2019 ,		14
119	Secure and Efficient Skyline Queries on Encrypted Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 31, 1397-1411	4.2	14
118	Privacy-Preserving Tensor Factorization for Collaborative Health Data Analysis 2019 , 2019, 1291-1300	4.5	13
117	Errata on Quantifying Differential Privacy in Continuous Data Release under Temporal Correlations <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 31, 2234-2234	4.2	2
116	PriSTE. <i>Proceedings of the VLDB Endowment</i> , 2019 , 12, 1866-1869	3.1	7
115	Quantifying Differential Privacy in Continuous Data Release Under Temporal Correlations. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 31, 1281-1295	4.2	36
114	FastGeo: Efficient Geometric Range Queries on Encrypted Spatial Data. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2019 , 16, 245-258	3.9	23
113	Differentially Private Distributed Online Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 1440-1453	4.2	30
112	A Two-Phase Algorithm for Differentially Private Frequent Subgraph Mining. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 1411-1425	4.2	16
111	Selecting Optimal Subset to release under Differentially Private M-estimators from Hybrid Datasets. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 573-584	4.2	5
110	Group-based keyword-aware route querying in road networks. <i>Information Sciences</i> , 2018 , 450, 343-360	7.7	6

109 Privacy and Security Issues in DDDAS Systems **2018**, 615-630

108 ConTPL: Controlling Temporal Privacy Leakage in Differentially Private Continuous Data Release. *Proceedings of the VLDB Endowment*, **2018**, 11, 2090-2093 3.1 2

107 Skyline Diagram: Finding the Voronoi Counterpart for Skyline Queries **2018**, 8

106 Privacy-Preserving Online Task Assignment in Spatial Crowdsourcing with Untrusted Server **2018**, 32

105 Optimal group route query: Finding itinerary for group of users in spatial databases. *GeoInformatica*, **2018**, 22, 845-867 2.5 7

104 Aesthetic-based Clothing Recommendation **2018**, 93

103 A Comprehensive Comparison of Multiparty Secure Additions with Differential Privacy. *IEEE Transactions on Dependable and Secure Computing*, **2017**, 14, 463-477 3.9 47

102 Partitioning-based mechanisms under personalized differential privacy. *Lecture Notes in Computer Science*, **2017**, 10234, 615-627 0.9 10

101 Quantifying Differential Privacy under Temporal Correlations. *Proceedings - International Conference on Data Engineering*, **2017**, 2017, 821-832 2 48

100 Secure Skyline Queries on Cloud Platform. *Proceedings - International Conference on Data Engineering*, **2017**, 2017, 633-644 2 34

99 LocLok. *Proceedings of the VLDB Endowment*, **2017**, 10, 1901-1904 3.1 24

98 CP-ORTHO **2017**, 13

97 Truth discovery for spatio-temporal events from crowdsourced data. *Proceedings of the VLDB Endowment*, **2017**, 10, 1562-1573 3.1 14

96 Fast Algorithms for Pareto Optimal Group-based Skyline **2017**, 13

95 Multi-user Itinerary Planning for Optimal Group Preference. *Lecture Notes in Computer Science*, **2017**, 3-23 0.9 6

94 Mutually Private Location Proximity Detection with Access Control. *Lecture Notes in Computer Science*, **2017**, 164-184 0.9

93 Differentially Private Frequent Sequence Mining. *IEEE Transactions on Knowledge and Data Engineering*, **2016**, 28, 2910-2926 4.2 16

92 Differentially Private Frequent Subgraph Mining. *Proceedings - International Conference on Data Engineering*, **2016**, 2016, 229-240 2 16

91	D-Grid: An In-Memory Dual Space Grid Index for Moving Object Databases 2016 ,		6
90	Secure Similarity Queries: Enabling Precision Medicine with Privacy. <i>Lecture Notes in Computer Science</i> , 2016 , 61-70	0.9	1
89	Protecting genomic data analytics in the cloud: state of the art and opportunities. <i>BMC Medical Genomics</i> , 2016 , 9, 63	3.7	30
88	A Markov chain based pruning method for predictive range queries 2016 ,		2
87	Participant Privacy in Mobile Crowd Sensing Task Management. <i>SIGMOD Record</i> , 2016 , 44, 23-34	1.1	65
86	Enabling mutually private location proximity services in smart cities: A comparative assessment 2016 ,		8
85	Privacy-Preserving IR 2016 2016 ,		8
84	Security and Privacy Dimensions in Next Generation DDDAS/Infosymbiotic Systems: A Position Paper. <i>Procedia Computer Science</i> , 2015 , 51, 2483-2492	1.6	5
83	Protecting Locations with Differential Privacy under Temporal Correlations 2015 ,		174
82	Finding Probabilistic k-Skyline Sets on Uncertain Data 2015 ,		15
81	Database Fragmentation with Confidentiality Constraints 2015 ,		12
80	Harnessing personal data from Internet of Things: Privacy enhancing dynamic information monitoring 2015 ,		4
79	WebDISCO: a web service for distributed cox model learning without patient-level data sharing. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015 , 22, 1212-9	8.6	58
78	STAC 2015 ,		7
77	VPIndexer 2015 ,		1
76	Differentially Private Frequent Sequence Mining via Sampling-based Candidate Pruning. <i>Proceedings - International Conference on Data Engineering</i> , 2015 , 2015, 1035-1046	2	11
75	Differentially Private Histogram and Synthetic Data Publication 2015 , 35-58		6
74	Privacy-preserving inference of social relationships from location data 2015 ,		7

73	Finding Pareto optimal groups. <i>Proceedings of the VLDB Endowment</i> , 2015 , 8, 2086-2097	3.1	38
72	Differentially Private Histogram Publication For Dynamic Datasets: An Adaptive Sampling Approach 2015 , 2015, 1001-1010	4.5	23
71	Speed Partitioning for Indexing Moving Objects. <i>Lecture Notes in Computer Science</i> , 2015 , 216-234	0.9	5
70	A Review of Privacy Preserving Mechanisms for Record Linkage 2015 , 233-265		0
69	Faster output-sensitive skyline computation algorithm. <i>Information Processing Letters</i> , 2014 , 114, 710-713.8		12
68	An Adaptive Approach to Real-Time Aggregate Monitoring With Differential Privacy. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2094-2106	4.2	72
67	Differentially private distributed logistic regression using private and public data. <i>BMC Medical Genomics</i> , 2014 , 7 Suppl 1, S14	3.7	44
66	Dynamic Data Driven Crowd Sensing Task Assignment. <i>Procedia Computer Science</i> , 2014 , 29, 1314-1323	1.6	30
65	\$m\$-Privacy for Collaborative Data Publishing. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2520-2533	4.2	26
64	DPSynthesizer: Differentially Private Data Synthesizer for Privacy Preserving Data Sharing. <i>Proceedings of the VLDB Endowment</i> , 2014 , 7, 1677-1680	3.1	24
63	A Quantitative Approach for Evaluating the Utility of a Differentially Private Behavioral Science Dataset 2014 ,		1
62	Privacy preserving RBF kernel support vector machine. <i>BioMed Research International</i> , 2014 , 2014, 8273731		14
61	Monitoring web browsing behavior with differential privacy 2014 ,		34
60	Spatial Task Assignment for Crowd Sensing with Cloaked Locations 2014 ,		121
59	Differentially Private Synthesization of Multi-Dimensional Data using Copula Functions 2014 , 2014, 475-486		11
58	Towards Secure Cloud Database with Fine-Grained Access Control. <i>Lecture Notes in Computer Science</i> , 2014 , 324-338	0.9	1
57	Privacy Preserving Publication of Locations Based on Delaunay Triangulation. <i>Lecture Notes in Computer Science</i> , 2014 , 594-605	0.9	
56	A privacy framework 2013 ,		1

55	Differentially Private Anomaly Detection with a Case Study on Epidemic Outbreak Detection 2013 ,		9
54	PREDICT: Privacy and Security Enhancing Dynamic Information Collection and Monitoring. <i>Procedia Computer Science</i> , 2013 , 18, 1979-1988	1.6	7
53	Adaptive Differentially Private Data Release for Data Sharing and Data Mining 2013 ,		1
52	SHARE: system design and case studies for statistical health information release. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013 , 20, 109-16	8.6	26
51	LinkIT 2013 ,		7
50	Secure multiparty aggregation with differential privacy 2013 ,		29
49	FAST 2013 ,		24
48	Mining frequent patterns with differential privacy. <i>Proceedings of the VLDB Endowment</i> , 2013 , 6, 1422-1427	3.5	10
47	A two-phase algorithm for mining sequential patterns with differential privacy 2013 ,		31
46	Differentially Private Multi-dimensional Time Series Release for Traffic Monitoring. <i>Lecture Notes in Computer Science</i> , 2013 , 33-48	0.9	26
45	DPCube: Releasing Differentially Private Data Cubes for Health Information 2012 ,		15
44	DObjects+: Enabling Privacy-Preserving Data Federation Services 2012 ,		4
43	Service-Oriented Architecture for High-Dimensional Private Data Mashup. <i>IEEE Transactions on Services Computing</i> , 2012 , 5, 373-386	4.8	32
42	Privacy preserving distributed DBSCAN clustering 2012 ,		8
41	Frequent grams based embedding for privacy preserving record linkage 2012 ,		15
40	Real-time aggregate monitoring with differential privacy 2012 ,		39
39	Adaptive, secure, and scalable distributed data outsourcing 2011 ,		6
38	m-Privacy for Collaborative Data Publishing 2011 ,		11

37	Information Sharing across Private Databases: Secure Union Revisited 2011 ,		4
36	Publishing set-valued data via differential privacy. <i>Proceedings of the VLDB Endowment</i> , 2011 , 4, 1087-1098	3.8	85
35	Anonymizing data with quasi-sensitive attribute values 2010 ,		9
34	An evaluation of feature sets and sampling techniques for de-identification of medical records 2010 ,		3
33	Anonymizing user profiles for personalized web search 2010 ,		21
32	p90 ribosomal S6 kinase 2 promotes invasion and metastasis of human head and neck squamous cell carcinoma cells. <i>Journal of Clinical Investigation</i> , 2010 , 120, 1165-77	15.9	114
31	Differentially Private Data Release through Multidimensional Partitioning. <i>Lecture Notes in Computer Science</i> , 2010 , 150-168	0.9	61
30	Automatic Invocation Linking for Collaborative Web-Based Corpora. <i>Advanced Information and Knowledge Processing</i> , 2010 , 23-45	0.3	
29	Distributed Anonymization: Achieving Privacy for Both Data Subjects and Data Providers. <i>Lecture Notes in Computer Science</i> , 2009 , 191-207	0.9	26
28	The glycolytic inhibitor 2-deoxyglucose activates multiple prosurvival pathways through IGF1R. <i>Journal of Biological Chemistry</i> , 2009 , 284, 23225-33	5.4	88
27	Automatic link detection 2009 ,		5
26	NNexus: An Automatic Linker for Collaborative Web-Based Corpora. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2009 , 21, 829-839	4.2	5
25	HIDE 2009 ,		6
24	An integrated framework for de-identifying unstructured medical data. <i>Data and Knowledge Engineering</i> , 2009 , 68, 1441-1451	1.5	41
23	Report on international workshop on privacy and anonymity in the information society (PAIS 2008). <i>SIGMOD Record</i> , 2009 , 37, 108-111	1.1	1
22	Dynamic Query Processing for P2P Data Services in the Cloud. <i>Lecture Notes in Computer Science</i> , 2009 , 396-411	0.9	2
21	HIDE: An Integrated System for Health Information DE-identification 2008 ,		31
20	Privacy-preserving data publishing for horizontally partitioned databases 2008 ,		3

19	Frequent pattern mining for kernel trace data 2008 ,		11
18	Towards privacy-preserving integration of distributed heterogeneous data 2008 ,		4
17	Fine-grained record integration and linkage tool. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2008 , 82, 822-9		32
16	DObjects. <i>Proceedings of the VLDB Endowment</i> , 2008 , 1, 1432-1435	3.1	3
15	FRIL: A tool for comparative record linkage 2008 , 440-4	0.7	14
14	Adapting Commit Protocols for Large-Scale and Dynamic Distributed Applications. <i>Lecture Notes in Computer Science</i> , 2008 , 465-474	0.9	1
13	DObjects: Enabling Distributed Data Services for Metacomputing Platforms. <i>Lecture Notes in Computer Science</i> , 2008 , 136-145	0.9	4
12	Preserving data privacy in outsourcing data aggregation services. <i>ACM Transactions on Internet Technology</i> , 2007 , 7, 17	3.8	30
11	Countering feedback sparsity and manipulation in reputation systems 2007 ,		8
10	Mining multiple private databases using a kNN classifier 2007 ,		17
9	Report on ACM Workshop on Health Information and Knowledge Management (HIKM 2006). <i>SIGMOD Record</i> , 2007 , 36, 39-42	1.1	1
8	Homozygous deletion of SMAD4 in breast cancer cell lines and invasive ductal carcinomas. <i>Cancer Biology and Therapy</i> , 2006 , 5, 601-7	4.6	22
7	k nearest neighbor classification across multiple private databases 2006 ,		17
6	NNexus: Towards an Automatic Linker for a Massively-Distributed Collaborative Corpus 2006 ,		3
5	TrustGuard 2005 ,		149
4	PeerTrust: supporting reputation-based trust for peer-to-peer electronic communities. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2004 , 16, 843-857	4.2	978
3	Topk Queries across Multiple Private Databases		9
2	A reputation-based trust model for peer-to-peer e-commerce communities		37

1	ExchangeGuard: a distributed protocol for electronic fair-exchange
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