

Xiaohui Liang

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,650
citations

430874

18
h-index

552781

26
g-index

57
all docs

57
docs citations

57
times ranked

3498
citing authors

#	ARTICLE	IF	CITATIONS
1	EPPA: An Efficient and Privacy-Preserving Aggregation Scheme for Secure Smart Grid Communications. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1621-1631.	5.6	605
2	Security and Privacy in Smart City Applications: Challenges and Solutions. , 2017, 55, 122-129.		453
3	Sybil Attacks and Their Defenses in the Internet of Things. IEEE Internet of Things Journal, 2014, 1, 372-383.	8.7	282
4	EPPDR: An Efficient Privacy-Preserving Demand Response Scheme with Adaptive Key Evolution in Smart Grid. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2053-2064.	5.6	263
5	Enabling Fine-Grained Multi-Keyword Search Supporting Classified Sub-Dictionaries over Encrypted Cloud Data. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 312-325.	5.4	228
6	Privacy Leakage of Location Sharing in Mobile Social Networks: Attacks and Defense. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 646-660.	5.4	154
7	Security and privacy for mobile healthcare networks: from a quality of protection perspective. IEEE Wireless Communications, 2015, 22, 104-112.	9.0	134
8	Energy Theft Detection With Energy Privacy Preservation in the Smart Grid. IEEE Internet of Things Journal, 2019, 6, 7659-7669.	8.7	131
9	When CSI Meets Public WiFi. , 2016, , .		125
10	PEC: A privacy-preserving emergency call scheme for mobile healthcare social networks. Journal of Communications and Networks, 2011, 13, 102-112.	2.6	109
11	A Secure Handshake Scheme with Symptoms-Matching for mHealthcare Social Network. Mobile Networks and Applications, 2011, 16, 683-694.	3.3	87
12	Exploiting prediction to enable Secure and Reliable routing in Wireless Body Area Networks. , 2012, , .		75
13	STAP: A social-tier-assisted packet forwarding protocol for achieving receiver-location privacy preservation in VANETs. , 2011, , .		72
14	PaRQ: A Privacy-Preserving Range Query Scheme Over Encrypted Metering Data for Smart Grid. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 178-191.	4.6	66
15	Privacy-Preserving Ride Sharing Scheme for Autonomous Vehicles in Big Data Era. IEEE Internet of Things Journal, 2017, 4, 611-618.	8.7	62
16	CPAL: A Conditional Privacy-Preserving Authentication With Access Linkability for Roaming Service. IEEE Internet of Things Journal, 2014, 1, 46-57.	8.7	61
17	Exploiting multimedia services in mobile social networks from security and privacy perspectives. , 2014, 52, 58-65.		60
18	Fully Anonymous Profile Matching in Mobile Social Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 641-655.	14.0	51

#	ARTICLE	IF	CITATIONS
19	WiVo. , 2018, , .		47
20	Secure and quality of service assurance scheduling scheme for WBAN with application to eHealth. , 2011, , .		45
21	PEACE: An efficient and secure patient-centric access control scheme for eHealth care system. , 2011, , .		45
22	Morality-Driven Data Forwarding With Privacy Preservation in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 3209-3222.	6.3	45
23	Exploiting mobile social behaviors for Sybil detection. , 2015, , .		38
24	Wanda: Securely introducing mobile devices. , 2016, , .		30
25	Exploiting Social Network to Enhance Human-to-Human Infection Analysis without Privacy Leakage. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 607-620.	5.4	30
26	RCare: Extending Secure Health Care to Rural Area Using VANETs. Mobile Networks and Applications, 2014, 19, 318-330.	3.3	29
27	PIF: A Personalized Fine-Grained Spam Filtering Scheme With Privacy Preservation in Mobile Social Networks. IEEE Transactions on Computational Social Systems, 2015, 2, 41-52.	4.4	27
28	EDR: An efficient demand response scheme for achieving forward secrecy in smart grid. , 2012, , .		25
29	Toward Reliable Actor Services in Wireless Sensor and Actor Networks. , 2011, , .		24
30	Sacrificing the Plum Tree for the Peach Tree: A Socialspot Tactic for Protecting Receiver-Location Privacy in VANET. , 2010, , .		23
31	Side Channel Monitoring: Packet Drop Attack Detection in Wireless Ad Hoc Networks. , 2011, , .		22
32	Privacy-Enhanced and Multifunctional Health Data Aggregation under Differential Privacy Guarantees. Sensors, 2016, 16, 1463.	3.8	21
33	FLIP: An Efficient Privacy-Preserving Protocol for Finding Like-Minded Vehicles on the Road. , 2010, , .		19
34	Revealing Your Mobile Password via WiFi Signals: Attacks and Countermeasures. IEEE Transactions on Mobile Computing, 2020, 19, 432-449.	5.8	19
35	PARK: A privacy-preserving aggregation scheme with adaptive key management for smart grid. , 2013, , .		18
36	RSEL: revocable secure efficient lightweight RFID authentication scheme. Concurrency Computation Practice and Experience, 2014, 26, 1084-1096.	2.2	16

#	ARTICLE	IF	CITATIONS
37	Evaluating voice-assistant commands for dementia detection. Computer Speech and Language, 2022, 72, 101297.	4.3	13
38	EPS: An Efficient and Privacy-Preserving Service Searching Scheme for Smart Community. IEEE Sensors Journal, 2013, 13, 3702-3710.	4.7	10
39	Privacy-Preserving Task Scheduling for Time-Sharing Services of Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 5260-5270.	6.3	10
40	Privacy-preserving voice-based search over mHealth data. Smart Health, 2019, 12, 24-34.	3.2	9
41	Securely Connecting Wearables to Ambient Displays with User Intent. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 676-690.	5.4	8
42	ESLRAS: A Lightweight RFID Authentication Scheme with High Efficiency and Strong Security for Internet of Things. , 2012, , .		7
43	EPF: An Event-Aided Packet Forwarding Protocol for Privacy-Preserving Mobile Healthcare Social Networks. , 2011, , .		6
44	Enabling pervasive healthcare with privacy preservation in smart community. , 2012, , .		6
45	SAFE: A social based updatable filtering protocol with privacy-preserving in mobile social networks. , 2013, , .		6
46	Message Authentication with Non-Transferability for Location Privacy in Mobile Ad hoc Networks. , 2010, , .		5
47	PPC: Privacy-Preserving Chatting in Vehicular Peer-to-Peer Networks. , 2010, , .		5
48	An Efficient and Secure User Revocation Scheme in Mobile Social Networks. , 2011, , .		5
49	SEER: A Secure and Efficient Service Review System for Service-Oriented Mobile Social Networks. , 2012, , .		5
50	Coordinate-Free Distributed Algorithm for Boundary Detection in Wireless Sensor Networks. , 2011, , .		3
51	Fine-Grained Identification with Real-Time Fairness in Mobile Social Networks. , 2011, , .		3
52	Lifecycle Prediction of Second Use Electric Vehicle Batteries Based on ARIMA Model. , 2019, , .		3
53	SmartEye: Mobile Device Proximity Monitoring via Wireless Signal Analysis. , 2019, , .		2
54	VSLP: Voronoi-socialspot-aided packet forwarding protocol with receiver Location Privacy in MSNs. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
55	RECCE: A reliable and efficient cloud cooperation scheme in E-healthcare. , 2013, , .		1
56	Exploiting peer-to-peer communications for query privacy preservation in voice assistant systems. Peer-to-Peer Networking and Applications, 2021, 14, 1475-1487.	3.9	1
57	FARES: Fast and Accurate Recognition of Exact Scenes on Mobile Devices. , 2019, , .		0