# Xiaohui Liang

List of Publications by Year
in descending order

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|---|---|---|---|
| 57<br>papers | 3,650<br>citations | 430874<br>18<br>h-index | 552781<br>26<br>g-index |
| 57<br>all docs | 57<br>docs citations | 57<br>times ranked | 3498<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Evaluating voice-assistant commands for dementia detection. Computer Speech and Language, 2022, 72, 101297. | 4.3 | 13 |
| 2 | 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 |
| 3 | Revealing Your Mobile Password via WiFi Signals: Attacks and Countermeasures. IEEE Transactions on Mobile Computing, 2020, 19, 432-449. | 5.8 | 19 |
| 4 | Securely Connecting Wearables to Ambient Displays with User Intent. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 676-690. | 5.4 | 8 |
| 5 | Privacy-preserving voice-based search over mHealth data. Smart Health, 2019, 12, 24-34. | 3.2 | 9 |
| 6 | Privacy-Preserving Task Scheduling for Time-Sharing Services of Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 5260-5270. | 6.3 | 10 |
| 7 | FARES: Fast and Accurate Recognition of Exact Scenes on Mobile Devices. , 2019, , . | | 0 |
| 8 | SmartEye: Mobile Device Proximity Monitoring via Wireless Signal Analysis. , 2019, , . | | 2 |
| 9 | Energy Theft Detection With Energy Privacy Preservation in the Smart Grid. IEEE Internet of Things Journal, 2019, 6, 7659-7669. | 8.7 | 131 |
| 10 | Lifecycle Prediction of Second Use Electric Vehicle Batteries Based on ARIMA Model. , 2019, , . | | 3 |
| 11 | 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 |
| 12 | 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 |
| 13 | WiVo. , 2018, , . | | 47 |
| 14 | Privacy-Preserving Ride Sharing Scheme for Autonomous Vehicles in Big Data Era. IEEE Internet of Things Journal, 2017, 4, 611-618. | 8.7 | 62 |
| 15 | Security and Privacy in Smart City Applications: Challenges and Solutions. , 2017, 55, 122-129. | | 453 |
| 16 | Privacy-Enhanced and Multifunctional Health Data Aggregation under Differential Privacy Guarantees. Sensors, 2016, 16, 1463. | 3.8 | 21 |
| 17 | Wanda: Securely introducing mobile devices. , 2016, , . | | 30 |
| 18 | When CSI Meets Public WiFi. , 2016, , . | | 125 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Exploiting mobile social behaviors for Sybil detection. , 2015, , . | | 38 |
| 22 | Security and privacy for mobile healthcare networks: from a quality of protection perspective. IEEE Wireless Communications, 2015, 22, 104-112. | 9.0 | 134 |
| 23 | 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 |
| 24 | Exploiting multimedia services in mobile social networks from security and privacy perspectives. , 2014, 52, 58-65. | | 60 |
| 25 | CPAL: A Conditional Privacy-Preserving Authentication With Access Linkability for Roaming Service. IEEE Internet of Things Journal, 2014, 1, 46-57. | 8.7 | 61 |
| 26 | Sybil Attacks and Their Defenses in the Internet of Things. IEEE Internet of Things Journal, 2014, 1, 372-383. | 8.7 | 282 |
| 27 | RSEL: revocable secure efficient lightweight RFID authentication scheme. Concurrency Computation Practice and Experience, 2014, 26, 1084-1096. | 2.2 | 16 |
| 28 | RCare: Extending Secure Health Care to Rural Area Using VANETs. Mobile Networks and Applications, 2014, 19, 318-330. | 3.3 | 29 |
| 29 | PARK: A privacy-preserving aggregation scheme with adaptive key management for smart grid. , 2013, , . | | 18 |
| 30 | Fully Anonymous Profile Matching in Mobile Social Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 641-655. | 14.0 | 51 |
| 31 | EPS: An Efficient and Privacy-Preserving Service Searching Scheme for Smart Community. IEEE Sensors Journal, 2013, 13, 3702-3710. | 4.7 | 10 |
| 32 | 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 |
| 33 | RECCE: A reliable and efficient cloud cooperation scheme in E-healthcare. , 2013, , . | | 1 |
| 34 | SAFE: A social based updatable filtering protocol with privacy-preserving in mobile social networks. , 2013, , . | | 6 |
| 35 | Enabling pervasive healthcare with privacy preservation in smart community. , 2012, , . | | 6 |
| 36 | ESLRAS: A Lightweight RFID Authentication Scheme with High Efficiency and Strong Security for Internet of Things. , 2012, , . | | 7 |

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| 37 | SEER: A Secure and Efficient Service Review System for Service-Oriented Mobile Social Networks. , 2012, , . | | 5 |
| 38 | 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 |
| 39 | Morality-Driven Data Forwarding With Privacy Preservation in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 3209-3222. | 6.3 | 45 |
| 40 | VSLP: Voronoi-socialspot-aided packet forwarding protocol with receiver Location Privacy in MSNs. , 2012, , . | | 1 |
| 41 | EDR: An efficient demand response scheme for achieving forward secrecy in smart grid. , 2012, , . | | 25 |
| 42 | Exploiting prediction to enable Secure and Reliable routing in Wireless Body Area Networks. , 2012, , . | | 75 |
| 43 | An Efficient and Secure User Revocation Scheme in Mobile Social Networks. , 2011, , . | | 5 |
| 44 | STAP: A social-tier-assisted packet forwarding protocol for achieving receiver-location privacy preservation in VANETs. , 2011, , . | | 72 |
| 45 | Secure and quality of service assurance scheduling scheme for WBAN with application to eHealth. , 2011, , . | | 45 |
| 46 | PEACE: An efficient and secure patient-centric access control scheme for eHealth care system. , 2011, , . | | 45 |
| 47 | PEC: A privacy-preserving emergency call scheme for mobile healthcare social networks. Journal of Communications and Networks, 2011, 13, 102-112. | 2.6 | 109 |
| 48 | A Secure Handshake Scheme with Symptoms-Matching for mHealthcare Social Network. Mobile Networks and Applications, 2011, 16, 683-694. | 3.3 | 87 |
| 49 | Side Channel Monitoring: Packet Drop Attack Detection in Wireless Ad Hoc Networks. , 2011, , . | | 22 |
| 50 | Coordinate-Free Distributed Algorithm for Boundary Detection in Wireless Sensor Networks. , 2011, , . | | 3 |
| 51 | Toward Reliable Actor Services in Wireless Sensor and Actor Networks. , 2011, , . | | 24 |
| 52 | Fine-Grained Identification with Real-Time Fairness in Mobile Social Networks. , 2011, , . | | 3 |
| 53 | EPF: An Event-Aided Packet Forwarding Protocol for Privacy-Preserving Mobile Healthcare Social Networks. , 2011, , . | | 6 |
| 54 | FLIP: An Efficient Privacy-Preserving Protocol for Finding Like-Minded Vehicles on the Road. , 2010, , . | | 19 |

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| 55 | Message Authentication with Non-Transferability for Location Privacy in Mobile Ad hoc Networks. , 2010, , . | | 5 |
| 56 | PPC: Privacy-Preserving Chatting in Vehicular Peer-to-Peer Networks. , 2010, , . | | 5 |
| 57 | Sacrificing the Plum Tree for the Peach Tree: A Socialspot Tactic for Protecting Receiver-Location Privacy in VANET. , 2010, , . | | 23 |