

Liehuang Zhu

List of Publications by Year in descending order

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233
papers

7,061
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237
docs citations

237
times ranked

5064
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Privacy-Preserving Energy Trading Using Consortium Blockchain in Smart Grid. IEEE Transactions on Industrial Informatics, 2019, 15, 3548-3558. | 7.2 | 424 |
| 2 | Privacy-Preserving Support Vector Machine Training Over Blockchain-Based Encrypted IoT Data in Smart Cities. IEEE Internet of Things Journal, 2019, 6, 7702-7712. | 5.5 | 313 |
| 3 | Permissioned Blockchain and Edge Computing Empowered Privacy-Preserving Smart Grid Networks. IEEE Internet of Things Journal, 2019, 6, 7992-8004. | 5.5 | 295 |
| 4 | A PEFKS- and CP-ABE-Based Distributed Security Scheme in Interest-Centric Opportunistic Networks. International Journal of Distributed Sensor Networks, 2013, 2013, 1-10. | 1.3 | 246 |
| 5 | Blockchain-Based Data Preservation System for Medical Data. Journal of Medical Systems, 2018, 42, 141. | 2.2 | 227 |
| 6 | Controllable and trustworthy blockchain-based cloud data management. Future Generation Computer Systems, 2019, 91, 527-535. | 4.9 | 222 |
| 7 | Blockchain-Assisted Secure Device Authentication for Cross-Domain Industrial IoT. IEEE Journal on Selected Areas in Communications, 2020, 38, 942-954. | 9.7 | 201 |
| 8 | A Blockchain-Based Privacy-Preserving Payment Mechanism for Vehicle-to-Grid Networks. IEEE Network, 2018, 32, 184-192. | 4.9 | 199 |
| 9 | Blockchain Meets Cloud Computing: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2009-2030. | 24.8 | 199 |
| 10 | Differential Privacy-Based Blockchain for Industrial Internet-of-Things. IEEE Transactions on Industrial Informatics, 2020, 16, 4156-4165. | 7.2 | 181 |
| 11 | Efficient and Privacy-Preserving Carpooling Using Blockchain-Assisted Vehicular Fog Computing. IEEE Internet of Things Journal, 2019, 6, 4573-4584. | 5.5 | 158 |
| 12 | 2FLIP: A Two-Factor Lightweight Privacy-Preserving Authentication Scheme for VANET. IEEE Transactions on Vehicular Technology, 2016, 65, 896-911. | 3.9 | 157 |
| 13 | Search pattern leakage in searchable encryption: Attacks and new construction. Information Sciences, 2014, 265, 176-188. | 4.0 | 145 |
| 14 | Privacy-Preserving Image Retrieval for Medical IoT Systems: A Blockchain-Based Approach. IEEE Network, 2019, 33, 27-33. | 4.9 | 140 |
| 15 | Cloud-Based Approximate Constrained Shortest Distance Queries Over Encrypted Graphs With Privacy Protection. IEEE Transactions on Information Forensics and Security, 2018, 13, 940-953. | 4.5 | 134 |
| 16 | Classification of Encrypted Traffic With Second-Order Markov Chains and Application Attribute Bigrams. IEEE Transactions on Information Forensics and Security, 2017, 12, 1830-1843. | 4.5 | 131 |
| 17 | Privacy-Preserving Content-Oriented Wireless Communication in Internet-of-Things. IEEE Internet of Things Journal, 2018, 5, 3059-3067. | 5.5 | 128 |
| 18 | EFFECT: an efficient flexible privacy-preserving data aggregation scheme with authentication in smart grid. Science China Information Sciences, 2019, 62, 1. | 2.7 | 112 |

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| 19 | PPDP: An efficient and privacy-preserving disease prediction scheme in cloud-based e-Healthcare system. <i>Future Generation Computer Systems</i> , 2018, 79, 16-25. | 4.9 | 106 |
| 20 | Accurate Decentralized Application Identification via Encrypted Traffic Analysis Using Graph Neural Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 2367-2380. | 4.5 | 99 |
| 21 | Privacy-Preserving DDoS Attack Detection Using Cross-Domain Traffic in Software Defined Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2018, 36, 628-643. | 9.7 | 93 |
| 22 | Blockchain-Based Incentives for Secure and Collaborative Data Sharing in Multiple Clouds. <i>IEEE Journal on Selected Areas in Communications</i> , 2020, 38, 1229-1241. | 9.7 | 89 |
| 23 | ASAP: An Anonymous Smart-Parking and Payment Scheme in Vehicular Networks. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2020, 17, 703-715. | 3.7 | 85 |
| 24 | Cost-friendly Differential Privacy for Smart Meters: Exploiting the Dual Roles of the Noise. <i>IEEE Transactions on Smart Grid</i> , 2016, , 1-1. | 6.2 | 78 |
| 25 | Achieving Searchable and Privacy-Preserving Data Sharing for Cloud-Assisted E-Healthcare System. <i>IEEE Internet of Things Journal</i> , 2019, 6, 8345-8356. | 5.5 | 74 |
| 26 | Achieving differential privacy of trajectory data publishing in participatory sensing. <i>Information Sciences</i> , 2017, 400-401, 1-13. | 4.0 | 69 |
| 27 | Content-based multi-source encrypted image retrieval in clouds with privacy preservation. <i>Future Generation Computer Systems</i> , 2020, 109, 621-632. | 4.9 | 65 |
| 28 | Secure Phrase Search for Intelligent Processing of Encrypted Data in Cloud-Based IoT. <i>IEEE Internet of Things Journal</i> , 2019, 6, 1998-2008. | 5.5 | 62 |
| 29 | Fuzzy keyword search on encrypted cloud storage data with small index. , 2011, , . | | 61 |
| 30 | Secure SVM Training Over Vertically-Partitioned Datasets Using Consortium Blockchain for Vehicular Social Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 5773-5783. | 3.9 | 59 |
| 31 | LESPP: lightweight and efficient strong privacy preserving authentication scheme for secure VANET communication. <i>Computing (Vienna/New York)</i> , 2016, 98, 685-708. | 3.2 | 58 |
| 32 | Privacy-Preserving Authentication and Data Aggregation for Fog-Based Smart Grid. <i>IEEE Communications Magazine</i> , 2019, 57, 80-85. | 4.9 | 58 |
| 33 | A privacy-preserving data aggregation scheme for dynamic groups in fog computing. <i>Information Sciences</i> , 2020, 514, 118-130. | 4.0 | 57 |
| 34 | Optimizing Feature Selection for Efficient Encrypted Traffic Classification: A Systematic Approach. <i>IEEE Network</i> , 2020, 34, 20-27. | 4.9 | 52 |
| 35 | BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 6578-6591. | 3.9 | 51 |
| 36 | Reliable and Privacy-Preserving Truth Discovery for Mobile Crowdsensing Systems. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2019, , 1-1. | 3.7 | 50 |

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| 37 | Fine-Grained Webpage Fingerprinting Using Only Packet Length Information of Encrypted Traffic. IEEE Transactions on Information Forensics and Security, 2021, 16, 2046-2059. | 4.5 | 50 |
| 38 | SDN Controllers. ACM Computing Surveys, 2021, 53, 1-40. | 16.1 | 50 |
| 39 | Blockchain-Enabled Reengineering of Cloud Datacenters. IEEE Cloud Computing, 2018, 5, 21-25. | 5.3 | 48 |
| 40 | Privacy-Preserving Traffic Monitoring with False Report Filtering via Fog-Assisted Vehicular Crowdsensing. IEEE Transactions on Services Computing, 2021, 14, 1902-1913. | 3.2 | 48 |
| 41 | LPTD: Achieving lightweight and privacy-preserving truth discovery in CloT. Future Generation Computer Systems, 2019, 90, 175-184. | 4.9 | 46 |
| 42 | SUAA: A Secure User Authentication Scheme with Anonymity for the Single & Multi-server Environments. Information Sciences, 2019, 477, 369-385. | 4.0 | 43 |
| 43 | Privacy-preserving contact tracing in 5G-integrated and blockchain-based medical applications. Computer Standards and Interfaces, 2021, 77, 103520. | 3.8 | 43 |
| 44 | A round-optimal lattice-based blind signature scheme for cloud services. Future Generation Computer Systems, 2017, 73, 106-114. | 4.9 | 41 |
| 45 | Blockchain-Enabled Trustworthy Group Communications in UAV Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4118-4130. | 4.7 | 40 |
| 46 | Big Data Mining of Users's Energy Consumption Patterns in the Wireless Smart Grid. IEEE Wireless Communications, 2018, 25, 84-89. | 6.6 | 39 |
| 47 | Exploiting Unintended Property Leakage in Blockchain-Assisted Federated Learning for Intelligent Edge Computing. IEEE Internet of Things Journal, 2021, 8, 2265-2275. | 5.5 | 38 |
| 48 | PRIF: A Privacy-Preserving Interest-Based Forwarding Scheme for Social Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 2457-2466. | 5.5 | 37 |
| 49 | Location Privacy-Preserving Task Recommendation With Geometric Range Query in Mobile Crowdsensing. IEEE Transactions on Mobile Computing, 2022, 21, 4410-4425. | 3.9 | 35 |
| 50 | PPMR: A Privacy-Preserving Online Medical Service Recommendation Scheme in eHealthcare System. IEEE Internet of Things Journal, 2019, 6, 5665-5673. | 5.5 | 34 |
| 51 | LAMANCO: A Lightweight Anonymous Mutual Authentication Scheme for 5G-Enabled Computing Offloading in IoT. IEEE Internet of Things Journal, 2019, 6, 4462-4471. | 5.5 | 34 |
| 52 | Privacy Leakage in Smart Homes and Its Mitigation: IFTTT as a Case Study. IEEE Access, 2019, 7, 63457-63471. | 2.6 | 30 |
| 53 | Blockchain-based multimedia sharing in vehicular social networks with privacy protection. Multimedia Tools and Applications, 2020, 79, 8085-8105. | 2.6 | 30 |
| 54 | An Energy-Aware High Performance Task Allocation Strategy in Heterogeneous Fog Computing Environments. IEEE Transactions on Computers, 2021, 70, 626-639. | 2.4 | 30 |

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| 56 | Identifying the vulnerabilities of bitcoin anonymous mechanism based on address clustering. Science China Information Sciences, 2020, 63, 1. | 2.7 | 29 |
| 57 | PGAS: Privacy-preserving graph encryption for accurate constrained shortest distance queries. Information Sciences, 2020, 506, 325-345. | 4.0 | 28 |
| 58 | TPPR: A Trust-Based and Privacy-Preserving Platoon Recommendation Scheme in VANET. IEEE Transactions on Services Computing, 2022, 15, 806-818. | 3.2 | 28 |
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| 66 | Encrypted traffic classification of decentralized applications on ethereum using feature fusion. , 2019, , . | | 24 |
| 67 | Enabling Privacy-Preserving Shortest Distance Queries on Encrypted Graph Data. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 192-204. | 3.7 | 24 |
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| 70 | Achieving Privacy-Friendly Storage and Secure Statistics for Smart Meter Data on Outsourced Clouds. IEEE Transactions on Cloud Computing, 2019, 7, 638-649. | 3.1 | 23 |
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| 93 | Blockchain-enabled Data Provenance in Cloud Datacenter Reengineering. , 2019, , . | | 15 |
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| 96 | Edge Computing and Lightning Network Empowered Secure Food Supply Management. <i>IEEE Internet of Things Journal</i> , 2022, 9, 14247-14259. | 5.5 | 15 |
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| 98 | Who is Driving? Event-Driven Driver Identification and Impostor Detection Through Support Vector Machine. <i>IEEE Sensors Journal</i> , 2020, 20, 6552-6559. | 2.4 | 14 |
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| 100 | Multi-Access Filtering for Privacy-Preserving Fog Computing. <i>IEEE Transactions on Cloud Computing</i> , 2022, 10, 539-552. | 3.1 | 13 |
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| 102 | An Efficient Data Aggregation Protocol Concentrated on Data Integrity in Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2013, 9, 256852. | 1.3 | 12 |
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| 128 | Proof of Continuous Work for Reliable Data Storage Over Permissionless Blockchain. IEEE Internet of Things Journal, 2022, 9, 7866-7875. | 5.5 | 7 |
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| 145 | Privacy-Preserving and Fault-Tolerant Aggregation of Time-Series Data With a Semi-Trusted Authority. IEEE Internet of Things Journal, 2022, 9, 12231-12240. | 5.5 | 5 |
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| 156 | A Multiple Sieve Approach Based on Artificial Intelligent Techniques and Correlation Power Analysis. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-21. | 3.0 | 4 |
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| 164 | A Novel Contributory Cross-Domain Group Password-Based Authenticated Key Exchange Protocol with Adaptive Security. , 2017, , . | | 3 |
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