

Yuanfang Chen

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,190
citations

471509

17
h-index

395702

33
g-index

76
all docs

76
docs citations

76
times ranked

1805
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Big Data Privacy Preserving in Multi-Access Edge Computing for Heterogeneous Internet of Things. IEEE Communications Magazine, 2018, 56, 62-67. | 6.1 | 212 |
| 2 | Orchestration of Microservices for IoT Using Docker and Edge Computing. IEEE Communications Magazine, 2018, 56, 118-123. | 6.1 | 172 |
| 3 | ZIL: An Energy-Efficient Indoor Localization System Using ZigBee Radio to Detect WiFi Fingerprints. IEEE Journal on Selected Areas in Communications, 2015, 33, 1431-1442. | 14.0 | 89 |
| 4 | Deep Learning for Secure Mobile Edge Computing in Cyber-Physical Transportation Systems. IEEE Network, 2019, 33, 36-41. | 6.9 | 64 |
| 5 | Jamming and Eavesdropping Defense in Green Cyber-Physical Transportation Systems Using a Stackelberg Game. IEEE Transactions on Industrial Informatics, 2018, 14, 4232-4242. | 11.3 | 56 |
| 6 | Industrial Internet of Things-Based Collaborative Sensing Intelligence: Framework and Research Challenges. Sensors, 2016, 16, 215. | 3.8 | 49 |
| 7 | When Mobile Crowd Sensing Meets Traditional Industry. IEEE Access, 2017, 5, 15300-15307. | 4.2 | 49 |
| 8 | Key-aggregate authentication cryptosystem for data sharing in dynamic cloud storage. Future Generation Computer Systems, 2018, 84, 190-199. | 7.5 | 40 |
| 9 | A Multi-Objective Hybrid Cloud Resource Scheduling Method Based on Deadline and Cost Constraints. IEEE Access, 2017, 5, 22067-22080. | 4.2 | 39 |
| 10 | A risk assessment method based on RBF artificial neural network - cloud model for urban water hazard. Journal of Intelligent and Fuzzy Systems, 2014, 27, 2409-2416. | 1.4 | 32 |
| 11 | Reality mining: A prediction algorithm for disease dynamics based on mobile big data. Information Sciences, 2017, 379, 82-93. | 6.9 | 30 |
| 12 | Poster abstract: Traffic flow prediction with big data: A deep learning based time series model. , 2017, , . | | 29 |
| 13 | A Traffic Aware Segment-based Routing protocol for VANETs in urban scenarios. Computers and Electrical Engineering, 2018, 68, 447-462. | 4.8 | 29 |
| 14 | Blockchain-Based Secure Computation Offloading in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4073-4087. | 8.0 | 27 |
| 15 | Detecting the Dangerous Area of Toxic Gases with Wireless Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 137-147. | 4.6 | 24 |
| 16 | When Traffic Flow Prediction and Wireless Big Data Analytics Meet. IEEE Network, 2019, 33, 161-167. | 6.9 | 19 |
| 17 | HSE-Voting: A secure high-efficiency electronic voting scheme based on homomorphic signcryption. Future Generation Computer Systems, 2020, 111, 754-762. | 7.5 | 19 |
| 18 | A flexible capacitive tactile sensor array with micro structure for robotic application. Science China Information Sciences, 2014, 57, 1-6. | 4.3 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Locating in Crowdsourcing-Based DataSpace: Wireless Indoor Localization without Special Devices. Mobile Networks and Applications, 2014, 19, 534-542. | 3.3 | 14 |
| 20 | A New Stability Condition for Uncertain Fuzzy Hopfield Neural Networks with Time-varying Delays. International Journal of Control, Automation and Systems, 2019, 17, 1322-1329. | 2.7 | 14 |
| 21 | Image encryption using block based transformation with fractional Fourier transform. , 2013, , . | | 13 |
| 22 | Stochastic Computation Offloading and Scheduling Based on Mobile Edge Computing. IEEE Access, 2019, 7, 72247-72256. | 4.2 | 13 |
| 23 | A cooperation scheme based on reputation for opportunistic networks. , 2013, , . | | 11 |
| 24 | Cloud-based Data-intensive Framework towards fault diagnosis in large-scale petrochemical plants. , 2016, , . | | 9 |
| 25 | Fiden: Intelligent Fingerprint Learning for Attacker Identification in the Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 882-890. | 11.3 | 9 |
| 26 | The Insights of DV-Based Localization Algorithms in the Wireless Sensor Networks with Duty-Cycled and Radio Irregular Sensors. , 2011, , . | | 8 |
| 27 | Outsourced revocable identity-based encryption from lattices. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3529. | 3.9 | 8 |
| 28 | A proportional fairness backoff scheme for funnelling effect in wireless sensor networks. Transactions on Emerging Telecommunications Technologies, 2012, 23, 585-597. | 3.9 | 7 |
| 29 | A statistical method for detecting spatiotemporal co-occurrence patterns. International Journal of Geographical Information Science, 2019, 33, 967-990. | 4.8 | 7 |
| 30 | eRouting: An Eco-Friendly Navigation Algorithm for Traffic Information Industry. IEEE Transactions on Industrial Informatics, 2017, 13, 562-571. | 11.3 | 6 |
| 31 | Key-Aggregate Authentication Cryptosystem for Data Sharing in Dynamic Cloud Storage. , 2017, , . | | 6 |
| 32 | WX-MAC: An Energy Efficient MAC Protocol for Wireless Sensor Networks. , 2013, , . | | 5 |
| 33 | Understanding the impact of network structure on propagation dynamics based on mobile big data. , 2016, , . | | 4 |
| 34 | Impact of Fouling on Flow-Induced Vibration Characteristics in Fluid-Conveying Pipelines. IEEE Access, 2016, 4, 6631-6644. | 4.2 | 4 |
| 35 | Understanding the impact of planarized proximity graphs on toxic gas boundary area detection. , 2017, , . | | 4 |
| 36 | Editorial: Current and Future Trends in Wireless Communications Protocols and Technologies. Mobile Networks and Applications, 2018, 23, 377-381. | 3.3 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Efficient Spatial Keyword Query Processing in the Internet of Industrial Vehicles. Mobile Networks and Applications, 2018, 23, 864-878. | 3.3 | 4 |
| 38 | Locating malicious nodes for data aggregation in wireless networks. , 2012, , . | | 3 |
| 39 | A Novel On-Line Association Algorithm for Supporting Load Balancing in Multiple-AP Wireless LAN. Mobile Networks and Applications, 2018, 23, 395-406. | 3.3 | 3 |
| 40 | Privacy-Preserved Approximate Classification Based on Homomorphic Encryption. Mathematical and Computational Applications, 2019, 24, 92. | 1.3 | 3 |
| 41 | Solving Security Problems in MEC Systems. , 2019, , . | | 3 |
| 42 | A Game Theoretic Reward and Punishment Unwanted Traffic Control Mechanism. Mobile Networks and Applications, 2019, 24, 1279-1294. | 3.3 | 3 |
| 43 | An enhanced energy optimization routing protocol for WSNs. Annales Des Telecommunications/Annals of Telecommunications, 2021, 76, 343. | 2.5 | 3 |
| 44 | A Tight Coupling Cooperation Scheme with QoS Provisioning in WiFi/WiMAX Networks. International Journal of Computers, Communications and Control, 2013, 8, 460. | 1.8 | 3 |
| 45 | A backoff copying scheme for contention resolution in wireless sensor networks. , 2009, , . | | 2 |
| 46 | High precision intelligent flexible grasping front-end with CMOS interface for robots application. Science China Information Sciences, 2016, 59, 1. | 4.3 | 2 |
| 47 | Poster: DeepTFP. , 2017, , . | | 2 |
| 48 | A Novel Crowd-sourcing Inference Method. , 2019, , . | | 2 |
| 49 | Multi-Task Scheduling Based on Classification in Mobile Edge Computing. Electronics (Switzerland), 2019, 8, 938. | 3.1 | 2 |
| 50 | SGedge: Stochastic Geometry-Based Model for Multi-Access Edge Computing in Wireless Sensor Networks. IEEE Access, 2021, 9, 111238-111248. | 4.2 | 2 |
| 51 | A backoff differentiation scheme for contention resolution in wireless convergeâ€œcast networks. Concurrency Computation Practice and Experience, 2013, 25, 112-128. | 2.2 | 1 |
| 52 | Bivariate analysis of typical hydrological series of the yellow river. International Journal of Computational Intelligence Systems, 2014, 7, 18-28. | 2.7 | 1 |
| 53 | Spatial Keyword Query Processing in the Internet of Vehicles. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 1-13. | 0.3 | 1 |
| 54 | Real Time Modelling and Processing. Lecture Notes in Networks and Systems, 2018, , 1-13. | 0.7 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Editorial: Securing Internet of Things Through Big Data Analytics. Mobile Networks and Applications, 2019, 24, 1265-1268. | 3.3 | 1 |
| 56 | Power allocation for multisource, multideestination cooperative vehicular networks under an outage probability constraint. Transactions on Emerging Telecommunications Technologies, 2019, , e3624. | 3.9 | 1 |
| 57 | Reality Mining: Digging the Impact of Friendship and Location on Crowd Behavior. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 142-154. | 0.3 | 1 |
| 58 | Transportation and Charging Schedule for Autonomous Electric Vehicle Riding-Sharing System Considering Battery Degradation. Communications in Computer and Information Science, 2019, , 203-216. | 0.5 | 1 |
| 59 | Variational Inference for a Recommendation System in IoT Networks Based on Stein's Identity. Applied Sciences (Switzerland), 2022, 12, 1816. | 2.5 | 1 |
| 60 | Enhancing Security-Problem-Based Deep Learning in Mobile Edge Computing. ACM Transactions on Internet Technology, 2022, 22, 1-15. | 4.4 | 1 |
| 61 | Visualizing simulation and testbed of wireless sensor networks with NetTopo. , 2009, , . | | 0 |
| 62 | The scheme of mitigating the asymmetric links problem in wireless sensor networks. , 2010, , . | | 0 |
| 63 | Static micro-scheduling: Resource contention relief in multithreaded programs. , 2012, , . | | 0 |
| 64 | Reality Mining: Digging the Impact of Friendship and Location on Crowd Behavior. , 2013, , . | | 0 |
| 65 | Prediction of Disease Dynamics with Structure Knowledge of Human Contact Networks. , 2015, , . | | 0 |
| 66 | A Thread Merging Transformation to Improve Throughput of Multiple Programs. , 2015, , . | | 0 |
| 67 | Neuro-Fuzzy Nonlinear Dynamic Modelling for Signal Integrity Simulation. Lecture Notes in Networks and Systems, 2018, , 75-94. | 0.7 | 0 |
| 68 | An Efficient Distributed Approach on High Dimensional Data Similarity Searchable Encryption. , 2018, , . | | 0 |
| 69 | CSSMT: Compiler Based Software Simultaneous Multithreading (SMT). , 2018, , . | | 0 |
| 70 | Distributed Monitoring Architecture for Industrial Safety Based on Gear Fault Diagnosis. EAI/Springer Innovations in Communication and Computing, 2019, , 237-245. | 1.1 | 0 |
| 71 | Variational Channel Estimation with Tempering: An Artificial Intelligence Algorithm for Wireless Intelligent Networks. Sensors, 2020, 20, 5939. | 3.8 | 0 |
| 72 | ANALYSIS OF THE IMPACTS OF THE DATA LENGTH ON THE UNCERTAINTY OF THE ARCHIMEDEAN COPULA MODELING. World Scientific Proceedings Series on Computer Engineering and Information Science, 2012, , 839-844. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Using Wireless Vibration Sensors to Study the Impact of Fouling on Fluid-Conveying Pipelines. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 288-292. | 0.3 | 0 |
| 74 | Optimal Personalized DDoS Attacks Detection Strategy in Network Systems. Communications in Computer and Information Science, 2019, , 327-340. | 0.5 | 0 |
| 75 | Aiden: Association-Learning-Based Attack Identification on the Edge of V2X Communication Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 1377-1385. | 5.5 | 0 |