

Houbing Song

List of Publications by Year in descending order

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Version: 2024-02-01

460
papers

17,047
citations

17440

63
h-index

27406

106
g-index

468
all docs

468
docs citations

468
times ranked

13673
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Internet of Things and Big Data Analytics for Smart and Connected Communities. IEEE Access, 2016, 4, 766-773. | 4.2 | 697 |
| 2 | ART: An Attack-Resistant Trust Management Scheme for Securing Vehicular Ad Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 960-969. | 8.0 | 384 |
| 3 | Security of the Internet of Things: Vulnerabilities, Attacks, and Countermeasures. IEEE Communications Surveys and Tutorials, 2020, 22, 616-644. | 39.4 | 381 |
| 4 | Next-Generation Big Data Analytics: State of the Art, Challenges, and Future Research Topics. IEEE Transactions on Industrial Informatics, 2017, 13, 1891-1899. | 11.3 | 290 |
| 5 | A Scalable and Quick-Response Software Defined Vehicular Network Assisted by Mobile Edge Computing. , 2017, 55, 94-100. | | 266 |
| 6 | Imperfect Information Dynamic Stackelberg Game Based Resource Allocation Using Hidden Markov for Cloud Computing. IEEE Transactions on Services Computing, 2018, 11, 78-89. | 4.6 | 250 |
| 7 | A New Deep-Q-Learning-Based Transmission Scheduling Mechanism for the Cognitive Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2375-2385. | 8.7 | 231 |
| 8 | A Decade Survey of Transfer Learning (2010–2020). IEEE Transactions on Artificial Intelligence, 2020, 1, 151-166. | 4.7 | 229 |
| 9 | Mobile Cloud Computing Model and Big Data Analysis for Healthcare Applications. IEEE Access, 2016, 4, 6171-6180. | 4.2 | 225 |
| 10 | Security Enhancement for IoT Communications Exposed to Eavesdroppers With Uncertain Locations. IEEE Access, 2016, 4, 2840-2853. | 4.2 | 217 |
| 11 | A Joint Multi-Criteria Utility-Based Network Selection Approach for Vehicle-to-Infrastructure Networking. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3305-3319. | 8.0 | 215 |
| 12 | Ubiquitous WSN for Healthcare: Recent Advances and Future Prospects. IEEE Internet of Things Journal, 2014, 1, 311-318. | 8.7 | 208 |
| 13 | Energy-Efficient Multi-Constraint Routing Algorithm With Load Balancing for Smart City Applications. IEEE Internet of Things Journal, 2016, 3, 1437-1447. | 8.7 | 194 |
| 14 | Security and Privacy Preservation Scheme of Face Identification and Resolution Framework Using Fog Computing in Internet of Things. IEEE Internet of Things Journal, 2017, 4, 1143-1155. | 8.7 | 192 |
| 15 | A Survey on Blockchain Technology: Evolution, Architecture and Security. IEEE Access, 2021, 9, 61048-61073. | 4.2 | 182 |
| 16 | Cooperative Jamming for Physical Layer Security Enhancement in Internet of Things. IEEE Internet of Things Journal, 2018, 5, 219-228. | 8.7 | 176 |
| 17 | A Novel Scheme for an Energy Efficient Internet of Things Based on Wireless Sensor Networks. Sensors, 2015, 15, 28603-28626. | 3.8 | 175 |
| 18 | A Many-Objective Optimization Model of Industrial Internet of Things Based on Private Blockchain. IEEE Network, 2020, 34, 78-83. | 6.9 | 175 |

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| 19 | Gradient-driven parking navigation using a continuous information potential field based on wireless sensor network. <i>Information Sciences</i> , 2017, 408, 100-114. | 6.9 | 166 |
| 20 | TSCA: A Temporal-Spatial Real-Time Charging Scheduling Algorithm for On-Demand Architecture in Wireless Rechargeable Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2018, 17, 211-224. | 5.8 | 166 |
| 21 | CODIE: Controlled Data and Interest Evaluation in Vehicular Named Data Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016, 65, 3954-3963. | 6.3 | 156 |
| 22 | Visual Perception Enabled Industry Intelligence: State of the Art, Challenges and Prospects. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 2204-2219. | 11.3 | 149 |
| 23 | Named Data Networking for Software Defined Vehicular Networks. <i>IEEE Communications Magazine</i> , 2017, 55, 60-66. | 6.1 | 146 |
| 24 | Policy-Based Secure and Trustworthy Sensing for Internet of Things in Smart Cities. <i>IEEE Internet of Things Journal</i> , 2018, 5, 716-723. | 8.7 | 139 |
| 25 | A Self-Assessment Stereo Capture Model Applicable to the Internet of Things. <i>Sensors</i> , 2015, 15, 20925-20944. | 3.8 | 134 |
| 26 | SAMADroid: A Novel 3-Level Hybrid Malware Detection Model for Android Operating System. <i>IEEE Access</i> , 2018, 6, 4321-4339. | 4.2 | 133 |
| 27 | Design of personnel big data management system based on blockchain. <i>Future Generation Computer Systems</i> , 2019, 101, 1122-1129. | 7.5 | 132 |
| 28 | Comparative Analysis of Machine Learning Techniques for Predicting Air Quality in Smart Cities. <i>IEEE Access</i> , 2019, 7, 128325-128338. | 4.2 | 131 |
| 29 | Quantifying User Reputation Scores, Data Trustworthiness, and User Incentives in Mobile Crowd-Sensing. <i>IEEE Access</i> , 2017, 5, 1382-1397. | 4.2 | 127 |
| 30 | Big Data Analytics for 6G-Enabled Massive Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021, 8, 5350-5359. | 8.7 | 127 |
| 31 | Mobile Edge Computing for Big-Data-Enabled Electric Vehicle Charging. <i>IEEE Communications Magazine</i> , 2018, 56, 150-156. | 6.1 | 120 |
| 32 | Big Data Driven Marine Environment Information Forecasting: A Time Series Prediction Network. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 4-18. | 9.8 | 117 |
| 33 | Multimedia Data Throughput Maximization in Internet-of-Things System Based on Optimization of Cache-Enabled UAV. <i>IEEE Internet of Things Journal</i> , 2019, 6, 3525-3532. | 8.7 | 116 |
| 34 | A Compressive Sensing-Based Approach to End-to-End Network Traffic Reconstruction. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 507-519. | 6.4 | 116 |
| 35 | Mobile Internet of Things Under Data Physical Fusion Technology. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4616-4624. | 8.7 | 116 |
| 36 | A 2-D Discrete-Time Model of Physical Impairments in Wavelength-Division Multiplexing Systems. <i>Journal of Lightwave Technology</i> , 2012, 30, 713-726. | 4.6 | 112 |

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| 37 | Cyber-physical systems for water sustainability: challenges and opportunities. , 2015, 53, 216-222. | | 108 |
| 38 | System modelling and performance evaluation of a three-tier Cloud of Things. Future Generation Computer Systems, 2017, 70, 104-125. | 7.5 | 108 |
| 39 | A Stratification-Based Data Collection Scheme in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 10671-10682. | 6.3 | 108 |
| 40 | Energy Efficient Direction-Based PDORP Routing Protocol for WSN. IEEE Access, 2016, 4, 3182-3194. | 4.2 | 107 |
| 41 | Digital image watermarking method based on DCT and fractal encoding. IET Image Processing, 2017, 11, 815-821. | 2.5 | 107 |
| 42 | Deep-Learning-Enabled Security Issues in the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 9531-9538. | 8.7 | 105 |
| 43 | NBC-MAIDS: Naïve Bayesian classification technique in multi-agent system-enriched IDS for securing IoT against DDoS attacks. Journal of Supercomputing, 2018, 74, 5156-5170. | 3.6 | 103 |
| 44 | Toward software defined smart home. , 2016, 54, 116-122. | | 102 |
| 45 | Anchor-Assisted and Vote-Based Trustworthiness Assurance in Smart City Crowdsensing. IEEE Access, 2016, 4, 529-541. | 4.2 | 102 |
| 46 | A Real-Time Monitoring System of Industry Carbon Monoxide Based on Wireless Sensor Networks. Sensors, 2015, 15, 29535-29546. | 3.8 | 97 |
| 47 | Cloud-centric multi-level authentication as a service for secure public safety device networks. , 2016, 54, 47-53. | | 95 |
| 48 | Social-Feature Enabled Communications Among Devices Toward the Smart IoT Community. IEEE Communications Magazine, 2019, 57, 130-137. | 6.1 | 93 |
| 49 | Wearable Vision Assistance System Based on Binocular Sensors for Visually Impaired Users. IEEE Internet of Things Journal, 2019, 6, 1375-1383. | 8.7 | 91 |
| 50 | Counter-Unmanned Aircraft System(s) (C-UAS): State of the Art, Challenges, and Future Trends. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 4-29. | 1.3 | 90 |
| 51 | Named-Data-Networking-Based ITS for Smart Cities. , 2017, 55, 105-111. | | 89 |
| 52 | Software Defined Radio and Wireless Acoustic Networking for Amateur Drone Surveillance. IEEE Communications Magazine, 2018, 56, 90-97. | 6.1 | 89 |
| 53 | ASGR: An Artificial Spider-Web-Based Geographic Routing in Heterogeneous Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1604-1620. | 8.0 | 89 |
| 54 | Industrial Security Solution for Virtual Reality. IEEE Internet of Things Journal, 2021, 8, 6273-6281. | 8.7 | 88 |

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| 55 | Energy-Latency Tradeoff for Dynamic Computation Offloading in Vehicular Fog Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 14198-14211. | 6.3 | 88 |
| 56 | Exploring Data Validity in Transportation Systems for Smart Cities. , 2017, 55, 26-33. | | 86 |
| 57 | Data-Centered Runtime Verification of Wireless Medical Cyber-Physical System. IEEE Transactions on Industrial Informatics, 2017, 13, 1900-1909. | 11.3 | 85 |
| 58 | Virtual Reality Smart City Based on WebVRGIS. IEEE Internet of Things Journal, 2016, 3, 1015-1024. | 8.7 | 83 |
| 59 | Range of Influence and Impact of Physical Impairments in Long-Haul DWDM Systems. Journal of Lightwave Technology, 2013, 31, 846-854. | 4.6 | 77 |
| 60 | Fog-Based Marine Environmental Information Monitoring Toward Ocean of Things. IEEE Internet of Things Journal, 2020, 7, 4238-4247. | 8.7 | 77 |
| 61 | Network Traffic Prediction Based on Deep Belief Network in Wireless Mesh Backbone Networks. , 2017, , . | | 76 |
| 62 | Machine Learning for the Detection and Identification of Internet of Things Devices: A Survey. IEEE Internet of Things Journal, 2022, 9, 298-320. | 8.7 | 76 |
| 63 | BEST-MAC: Bitmap-Assisted Efficient and Scalable TDMA-Based WSN MAC Protocol for Smart Cities. IEEE Access, 2016, 4, 312-322. | 4.2 | 75 |
| 64 | Pain-Free Blood Glucose Monitoring Using Wearable Sensors: Recent Advancements and Future Prospects. IEEE Reviews in Biomedical Engineering, 2018, 11, 21-35. | 18.0 | 75 |
| 65 | Differential Privacy for Industrial Internet of Things: Opportunities, Applications, and Challenges. IEEE Internet of Things Journal, 2021, 8, 10430-10451. | 8.7 | 74 |
| 66 | A Local-Optimization Emergency Scheduling Scheme With Self-Recovery for a Smart Grid. IEEE Transactions on Industrial Informatics, 2017, 13, 3195-3205. | 11.3 | 72 |
| 67 | Efficient privacy-preserving authentication framework for edge-assisted Internet of Drones. Journal of Information Security and Applications, 2019, 48, 102354. | 2.5 | 72 |
| 68 | Rethinking Behaviors and Activities of Base Stations in Mobile Cellular Networks Based on Big Data Analysis. IEEE Transactions on Network Science and Engineering, 2020, 7, 80-90. | 6.4 | 69 |
| 69 | ST-DeepHAR: Deep Learning Model for Human Activity Recognition in IoT Applications. IEEE Internet of Things Journal, 2021, 8, 4969-4979. | 8.7 | 69 |
| 70 | An Adaptive Collection Scheme-Based Matrix Completion for Data Gathering in Energy-Harvesting Wireless Sensor Networks. IEEE Access, 2019, 7, 6703-6723. | 4.2 | 67 |
| 71 | Multi-Armed Bandit Channel Access Scheme With Cognitive Radio Technology in Wireless Sensor Networks for the Internet of Things. IEEE Access, 2016, 4, 4609-4617. | 4.2 | 66 |
| 72 | Short-term traffic flow prediction in smart multimedia system for Internet of Vehicles based on deep belief network. Future Generation Computer Systems, 2019, 93, 460-472. | 7.5 | 66 |

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| 73 | SEDMDroid: An Enhanced Stacking Ensemble Framework for Android Malware Detection. IEEE Transactions on Network Science and Engineering, 2021, 8, 984-994. | 6.4 | 65 |
| 74 | Deep Learning in Security of Internet of Things. IEEE Internet of Things Journal, 2022, 9, 22133-22146. | 8.7 | 64 |
| 75 | Differential Privacy Preserving in Big Data Analytics for Connected Health. Journal of Medical Systems, 2016, 40, 97. | 3.6 | 63 |
| 76 | PSOTrack: A RFID-Based System for Random Moving Objects Tracking in Unconstrained Indoor Environment. IEEE Internet of Things Journal, 2018, 5, 4632-4641. | 8.7 | 63 |
| 77 | Adaboost-based security level classification of mobile intelligent terminals. Journal of Supercomputing, 2019, 75, 7460-7478. | 3.6 | 63 |
| 78 | Optimization of real-time traffic network assignment based on IoT data using DBN and clustering model in smart city. Future Generation Computer Systems, 2020, 108, 976-986. | 7.5 | 63 |
| 79 | Development and calibration of the Anisotropic Mesoscopic Simulation model for uninterrupted flow facilities. Transportation Research Part B: Methodological, 2010, 44, 152-174. | 5.9 | 61 |
| 80 | IoMT: A Reliable Cross Layer Protocol for Internet of Multimedia Things. IEEE Internet of Things Journal, 2017, 4, 832-839. | 8.7 | 60 |
| 81 | A Novel Hybrid Particle Swarm Optimization Algorithm for Path Planning of UAVs. IEEE Internet of Things Journal, 2022, 9, 22547-22558. | 8.7 | 60 |
| 82 | CASMOC: a novel complex alliance strategy with multi-objective optimization of coverage in wireless sensor networks. Wireless Networks, 2017, 23, 1201-1222. | 3.0 | 59 |
| 83 | A Cost-Efficient Communication Framework for Battery-Switch-Based Electric Vehicle Charging. , 2017, 55, 162-169. | | 59 |
| 84 | Lightweight blockchain assisted secure routing of swarm UAS networking. Computer Communications, 2021, 165, 131-140. | 5.1 | 59 |
| 85 | Traffic-aware ACB scheme for massive access in machine-to-machine networks. , 2015, , . | | 58 |
| 86 | Distant Domain Transfer Learning for Medical Imaging. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3784-3793. | 6.3 | 58 |
| 87 | Dronesâ€™ Edge Intelligence Over Smart Environments in B5G: Blockchain and Federated Learning Synergy. IEEE Transactions on Green Communications and Networking, 2022, 6, 295-312. | 5.5 | 58 |
| 88 | A low redundancy data collection scheme to maximize lifetime using matrix completion technique. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, . | 2.4 | 57 |
| 89 | Intelligent UAVs Trajectory Optimization From Space-Time for Data Collection in Social Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 853-864. | 6.4 | 57 |
| 90 | A Lightweight End-Side User Experience Data Collection System for Quality Evaluation of Multimedia Communications. IEEE Access, 2018, 6, 15408-15419. | 4.2 | 56 |

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| 91 | Research and Simulation of Queue Management Algorithms in Ad Hoc Networks Under DDoS Attack. IEEE Access, 2017, 5, 27810-27817. | 4.2 | 55 |
| 92 | Feature selection and multiple kernel boosting framework based on PSO with mutation mechanism for hyperspectral classification. Neurocomputing, 2017, 220, 181-190. | 5.9 | 55 |
| 93 | Zero-Bias Deep Learning for Accurate Identification of Internet-of-Things (IoT) Devices. IEEE Internet of Things Journal, 2021, 8, 2627-2634. | 8.7 | 55 |
| 94 | A sensor-based wrist pulse signal processing and lung cancer recognition. Journal of Biomedical Informatics, 2018, 79, 107-116. | 4.3 | 53 |
| 95 | Energy-Aware Metaheuristic Algorithm for Industrial-Internet-of-Things Task Scheduling Problems in Fog Computing Applications. IEEE Internet of Things Journal, 2021, 8, 12638-12649. | 8.7 | 52 |
| 96 | Carbon-Aware Electricity Cost Minimization for Sustainable Data Centers. IEEE Transactions on Sustainable Computing, 2017, 2, 211-223. | 3.1 | 51 |
| 97 | Quality Index for Stereoscopic Images by Separately Evaluating Adding and Subtracting. PLoS ONE, 2015, 10, e0145800. | 2.5 | 50 |
| 98 | A Cuckoo Search-Support Vector Machine Model for Predicting Dynamic Measurement Errors of Sensors. IEEE Access, 2016, 4, 5030-5037. | 4.2 | 49 |
| 99 | Spatio-Temporal Kronecker Compressive Sensing for Traffic Matrix Recovery. IEEE Access, 2016, 4, 3046-3053. | 4.2 | 49 |
| 100 | A Queuing Delay Utilization Scheme for On-Path Service Aggregation in Services-Oriented Computing Networks. IEEE Access, 2019, 7, 23816-23833. | 4.2 | 49 |
| 101 | Vehicular Computation Offloading for Industrial Mobile Edge Computing. IEEE Transactions on Industrial Informatics, 2021, 17, 7871-7881. | 11.3 | 49 |
| 102 | Internet of Things for Cultural Heritage of Smart Cities and Smart Regions. , 2015, , . | | 48 |
| 103 | ESFNet: Efficient Network for Building Extraction From High-Resolution Aerial Images. IEEE Access, 2019, 7, 54285-54294. | 4.2 | 48 |
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| 106 | Discovering time-dependent shortest path on traffic graph for drivers towards green driving. Journal of Network and Computer Applications, 2017, 83, 204-212. | 9.1 | 47 |
| 107 | Energy Balance-Based Steerable Arguments Coverage Method in WSNs. IEEE Access, 2018, 6, 33766-33773. | 4.2 | 47 |
| 108 | An AI-Based Adaptive Cognitive Modeling and Measurement Method of Network Traffic for EIS. Mobile Networks and Applications, 2021, 26, 575-585. | 3.3 | 47 |

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| 109 | Trust Mechanism of Multimedia Network. ACM Transactions on Multimedia Computing, Communications and Applications, 0, , . | 4.3 | 47 |
| 110 | Security-Aware Waveforms for Enhancing Wireless Communications Privacy in Cyber-Physical Systems via Multipath Receptions. IEEE Internet of Things Journal, 2017, 4, 1924-1933. | 8.7 | 46 |
| 111 | ICMDS: Secure inter-cluster multiple-key distribution scheme for wireless sensor networks. Ad Hoc Networks, 2017, 55, 97-106. | 5.5 | 46 |
| 112 | A Services Routing Based Caching Scheme for Cloud Assisted CRNs. IEEE Access, 2018, 6, 15787-15805. | 4.2 | 46 |
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| 114 | 3D Panoramic Virtual Reality Video Quality Assessment Based on 3D Convolutional Neural Networks. IEEE Access, 2018, 6, 38669-38682. | 4.2 | 45 |
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| 116 | Secure Knowledge and Cluster-Based Intrusion Detection Mechanism for Smart Wireless Sensor Networks. IEEE Access, 2018, 6, 5688-5694. | 4.2 | 44 |
| 117 | ANTSC: An Intelligent Naïve Bayesian Probabilistic Estimation Practice for Traffic Flow to Form Stable Clustering in VANET. IEEE Access, 2018, 6, 4452-4461. | 4.2 | 44 |
| 118 | Integrated Generative Model for Industrial Anomaly Detection via Bidirectional LSTM and Attention Mechanism. IEEE Transactions on Industrial Informatics, 2023, 19, 541-550. | 11.3 | 44 |
| 119 | Interference-controlled D2D routing aided by knowledge extraction at cellular infrastructure towards ubiquitous CPS. Personal and Ubiquitous Computing, 2015, 19, 1033-1043. | 2.8 | 43 |
| 120 | Smart Road Traffic Accidents Reduction Strategy Based on Intelligent Transportation Systems (TARS). Sensors, 2018, 18, 1983. | 3.8 | 43 |
| 121 | Battery-Friendly Relay Selection Scheme for Prolonging the Lifetimes of Sensor Nodes in the Internet of Things. IEEE Access, 2019, 7, 33180-33201. | 4.2 | 43 |
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| 123 | Big Data Orchestration as a Service Network. , 2017, 55, 94-101. | | 42 |
| 124 | Video tamper detection based on multi-scale mutual information. Multimedia Tools and Applications, 2019, 78, 27109-27126. | 3.9 | 42 |
| 125 | Privacy-Aware Point-of-Interest Category Recommendation in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 21398-21408. | 8.7 | 42 |
| 126 | A Survey of Big Data Analytics for Smart Forestry. IEEE Access, 2019, 7, 46621-46636. | 4.2 | 41 |

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| 127 | Spectral Matrix Decomposition-Based Motion Artifacts Removal in Multi-Channel PPG Sensor Signals. IEEE Access, 2016, 4, 3076-3086. | 4.2 | 40 |
| 128 | GTCCS: A Game Theoretical Collaborative Charging Scheduling for On-Demand Charging Architecture. IEEE Transactions on Vehicular Technology, 2018, 67, 12124-12136. | 6.3 | 40 |
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| 130 | A Fast CP-ABE System for Cyber-Physical Security and Privacy in Mobile Healthcare Network. IEEE Transactions on Industry Applications, 2020, , 1-1. | 4.9 | 40 |
| 131 | Class-Incremental Learning for Wireless Device Identification in IoT. IEEE Internet of Things Journal, 2021, 8, 17227-17235. | 8.7 | 40 |
| 132 | Cross-Layer Optimization for Industrial Internet of Things in Real Scene Digital Twins. IEEE Internet of Things Journal, 2022, 9, 15618-15629. | 8.7 | 40 |
| 133 | A Temporal-Spatial Method for Group Detection, Locating and Tracking. IEEE Access, 2016, 4, 4484-4494. | 4.2 | 39 |
| 134 | Multimedia streaming in information-centric networking: A survey and future perspectives. Computer Networks, 2017, 125, 103-121. | 5.1 | 39 |
| 135 | Towards a Low-Cost Remote Memory Attestation for the Smart Grid. Sensors, 2015, 15, 20799-20824. | 3.8 | 38 |
| 136 | Multimedia recommendation and transmission system based on cloud platform. Future Generation Computer Systems, 2017, 70, 94-103. | 7.5 | 38 |
| 137 | Big data analytics enabled by feature extraction based on partial independence. Neurocomputing, 2018, 288, 3-10. | 5.9 | 38 |
| 138 | Enhanced-AODV: A Robust Three Phase Priority-Based Traffic Load Balancing Scheme for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 14426-14437. | 8.7 | 38 |
| 139 | Delay and energy-efficient data collection scheme-based matrix filling theory for dynamic traffic IoT. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, . | 2.4 | 37 |
| 140 | Drone assisted Flying Ad-Hoc Networks: Mobility and Service oriented modeling using Neuro-fuzzy. Ad Hoc Networks, 2020, 106, 102242. | 5.5 | 37 |
| 141 | Hash-MAC-DSDV: Mutual Authentication for Intelligent IoT-Based Cyber-Physical Systems. IEEE Internet of Things Journal, 2022, 9, 22173-22183. | 8.7 | 37 |
| 142 | A differential privacy protection scheme for sensitive big data in body sensor networks. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 465-475. | 2.5 | 36 |
| 143 | To Reduce Delay, Energy Consumption and Collision through Optimization Duty-Cycle and Size of Forwarding Node Set in WSNs. IEEE Access, 2019, 7, 55983-56015. | 4.2 | 36 |
| 144 | Adaption Resizing Communication Buffer to Maximize Lifetime and Reduce Delay for WWSNs. IEEE Access, 2019, 7, 48266-48287. | 4.2 | 36 |

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| 145 | Simultaneous enhancement and noise reduction of a single low-light image. IET Image Processing, 2016, 10, 840-847. | 2.5 | 35 |
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| 147 | Deployment Optimization of Data Centers in Vehicular Networks. IEEE Access, 2019, 7, 20644-20663. | 4.2 | 35 |
| 148 | TagSort: Accurate Relative Localization Exploring RFID Phase Spectrum Matching for Internet of Things. IEEE Internet of Things Journal, 2020, 7, 389-399. | 8.7 | 35 |
| 149 | Cache-Enabled Unmanned Aerial Vehicles for Cooperative Cognitive Radio Networks. IEEE Wireless Communications, 2020, 27, 155-161. | 9.0 | 35 |
| 150 | A shortest path routing algorithm for unmanned aerial systems based on grid position. Journal of Network and Computer Applications, 2018, 103, 215-224. | 9.1 | 34 |
| 151 | A Formal Model-Based Design Method for Robotic Systems. IEEE Systems Journal, 2019, 13, 1096-1107. | 4.6 | 34 |
| 152 | Quality Index for Stereoscopic Images by Jointly Evaluating Cyclopean Amplitude and Cyclopean Phase. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 89-101. | 10.8 | 33 |
| 153 | Duty Cycle Adaptive Adjustment Based Device to Device (D2D) Communication Scheme for WSNs. IEEE Access, 2018, 6, 76339-76373. | 4.2 | 33 |
| 154 | A Mobile Cloud Computing Model Using the Cloudlet Scheme for Big Data Applications. , 2016, , . | | 32 |
| 155 | From Offline Towards Real-Time Verification for Robot Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 1712-1721. | 11.3 | 32 |
| 156 | DIFS: Distributed Interest Forwarder Selection in Vehicular Named Data Networks. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3076-3080. | 8.0 | 32 |
| 157 | Big data-driven machine learning-enabled traffic flow prediction. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3482. | 3.9 | 32 |
| 158 | CDP-UA: Cognitive Data Processing Method Wearable Sensor Data Uncertainty Analysis in the Internet of Things Assisted Smart Medical Healthcare Systems. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3691-3699. | 6.3 | 32 |
| 159 | ESOT: a new privacy model for preserving location privacy in Internet of Things. Telecommunication Systems, 2018, 67, 553-575. | 2.5 | 31 |
| 160 | Network Traffic Prediction Based on Deep Belief Network and Spatiotemporal Compressive Sensing in Wireless Mesh Backbone Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-10. | 1.2 | 31 |
| 161 | Compressive Sensing-Based Clustering Joint Annular Routing Data Gathering Scheme for Wireless Sensor Networks. IEEE Access, 2019, 7, 114639-114658. | 4.2 | 31 |
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| 163 | QoS-DPSO: QoS-aware Task Scheduling for Cloud Computing System. Journal of Network and Systems Management, 2021, 29, 1. | 4.9 | 29 |
| 164 | Extensive Throughput Enhancement For 5G-Enabled UAV Swarm Networking. IEEE Journal on Miniaturization for Air and Space Systems, 2021, 2, 199-208. | 2.7 | 29 |
| 165 | Traffic Matrix Prediction and Estimation Based on Deep Learning for Data Center Networks. , 2016, , . | | 28 |
| 166 | A lightweight and aggregated system for indoor/outdoor detection using smart devices. Future Generation Computer Systems, 2020, 107, 988-997. | 7.5 | 28 |
| 167 | Multi-access edge computing enabled internet of things: advances and novel applications. Neural Computing and Applications, 2020, 32, 15313-15316. | 5.6 | 28 |
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| 172 | Semantic Learning Based Cross-Platform Binary Vulnerability Search For IoT Devices. IEEE Transactions on Industrial Informatics, 2021, 17, 971-979. | 11.3 | 25 |
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