

Keping Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112 papers	1,933 citations	26 h-index	39 g-index
138 ext. papers	3,558 ext. citations	5.4 avg, IF	6.46 L-index

#	Paper	IF	Citations
112	Theoretical Performance Analysis of Distributed Queue for Massive Machine Type Communications: Throughput, Latency, Energy Consumption. <i>IEEE Transactions on Network and Service Management</i> , 2022 , 1-1	4.8	0
111	Joint Optimal Quantization and Aggregation of Federated Learning Scheme in VANETs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-12	6.1	1
110	A NOMA-Enabled Framework for Relay Deployment and Network Optimization in Double-Layer Airborne Access VANETs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-15	6.1	8
109	Distributed collaboration and anti-interference optimization in edge computing for IoT. <i>Journal of Parallel and Distributed Computing</i> , 2022 , 163, 156-156	4.4	1
108	Internet of Things Positioning Technology Based Intelligent Delivery System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-15	6.1	0
107	Distributed Maritime Transport Communication System With Reliability and Safety Based on Blockchain and Edge Computing. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-11	6.1	0
106	Edge YOLO: Real-Time Intelligent Object Detection System Based on Edge-Cloud Cooperation in Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-16	6.1	2
105	A Semantics and Behaviors-Collaboratively Driven Spammer Detection Method. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 1320-1329	0.2	
104	Spatio-Temporal Feature Encoding for Traffic Accident Detection in VANET Environment. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-10	6.1	11
103	Efficient Offloading for Minimizing Task Computation Delay of NOMA-Based Multi-access Edge Computing. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	9
102	A Collaborative V2X Data Correction Method for Road Safety. <i>IEEE Transactions on Reliability</i> , 2022 , 1-124.6	4.6	8
101	AI-Empowered Speed Extraction via Port-Like Videos for Vehicular Trajectory Analysis. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-12	6.1	5
100	Secure routing for LEO satellite network survivability. <i>Computer Networks</i> , 2022 , 109011	5.4	2
99	Generative Steganography Based on Long Readable Text Generation. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-11	4.5	0
98	ELITE: An Intelligent Digital Twin-based Hierarchical Routing Scheme for Softwarized Vehicular Networks. <i>IEEE Transactions on Mobile Computing</i> , 2022 , 1-1	4.6	15
97	A Novel Real-Time Deterministic Scheduling Mechanism in Industrial Cyber-Physical Systems for Energy Internet. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	6
96	BI-IEA: A Bit-Level Image Encryption Algorithm for Cognitive Services in Intelligent Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-13	6.1	1

95	Securing Critical Infrastructures: Deep-Learning-Based Threat Detection in IIoT. <i>IEEE Communications Magazine</i> , 2021 , 59, 76-82	9.1	38
94	. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	17
93	Cross-Layer Device Authentication with Quantum Encryption for 5G Enabled IIoT in Industry 4.0. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	11
92	AI-Driven Synthetic Biology for Non-Small Cell Lung Cancer Drug Effectiveness-Cost Analysis in Intelligent Assisted Medical Systems. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , PP,	7.2	10
91	Fuz-Spam: Label Smoothing-based Fuzzy Detection of Spammers in Internet of Things. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	15
90	An Intelligent Trust Cloud Management Method for Secure Clustering in 5G enabled Internet of Medical Things. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	16
89	BESS Aided Renewable Energy Supply using Deep Reinforcement Learning for 5G and Beyond. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	1
88	Reliable Uplink Synchronization Maintenance for Satellite-Ground Integrated Vehicular Networks: A High-Order Statistics-Based Timing Advance Update Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-14	6.1	0
87	Graph Neural Networks-driven Traffic Forecasting for Connected Internet of Vehicles. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	27
86	Delay Sensitive Secure NOMA Transmission for Hierarchical HAP-LAP Medical-care IoT Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	16
85	A blockchain-based Shamir's threshold cryptography for data protection in industrial internet of things of smart city 2021 ,		4
84	Constructing a prior-dependent graph for data clustering and dimension reduction in the edge of AIoT. <i>Future Generation Computer Systems</i> , 2021 , 128, 381-381	7.5	22
83	Cross-domain authentication for 5G-enabled UAVs 2021 ,		4
82	Perceptual Enhancement for Autonomous Vehicles: Restoring Visually Degraded Images for Context Prediction via Adversarial Training. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	17
81	Speech Emotion Recognition Enhanced Traffic Efficiency Solution for Autonomous Vehicles in a 5G-Enabled Space-Air-Ground Integrated Intelligent Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-13	6.1	17
80	Blockchain-Empowered Contact Tracing for COVID-19 Using Crypto-Spatiotemporal Information 2021 ,		3
79	A cooperative resource allocation model for IoT applications in mobile edge computing. <i>Computer Communications</i> , 2021 , 173, 183-191	5.1	12
78	Early Collision Detection for Massive Random Access in Satellite-Based Internet of Things. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 5184-5189	6.8	30

77	Agent architecture of an intelligent medical system based on federated learning and blockchain technology. <i>Journal of Information Security and Applications</i> , 2021 , 58, 102748	3.5	14
76	A Blockchain-empowered Access Control Framework for Smart Devices in Green Internet of Things. <i>ACM Transactions on Internet Technology</i> , 2021 , 21, 1-20	3.8	21
75	Dynamic Scheduling Algorithm in Cyber Mimic Defense Architecture of Volunteer Computing. <i>ACM Transactions on Internet Technology</i> , 2021 , 21, 1-33	3.8	5
74	Latent Discriminative Low-Rank Projection for Visual Dimension Reduction in Green Internet of Things. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 737-749	4	5
73	Deep-Learning-Empowered Breast Cancer Auxiliary Diagnosis for 5GB Remote E-Health. <i>IEEE Wireless Communications</i> , 2021 , 28, 54-61	13.4	70
72	A blockchain-empowered crowdsourcing system for 5G-enabled smart cities. <i>Computer Standards and Interfaces</i> , 2021 , 76, 103517	3.5	53
71	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 4337-4347	6.1	73
70	Toward real-time and efficient cardiovascular monitoring for COVID-19 patients by 5G-enabled wearable medical devices: a deep learning approach. <i>Neural Computing and Applications</i> , 2021 , 1-14	4.8	23
69	Robust Spammer Detection Using Collaborative Neural Network in Internet-of-Things Applications. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9549-9558	10.7	48
68	Probabilistic inference-based modeling for sustainable environmental systems under hybrid cloud infrastructure. <i>Simulation Modelling Practice and Theory</i> , 2021 , 107, 102215	3.9	6
67	Challenge-based collaborative intrusion detection in software-defined networking: an evaluation. <i>Digital Communications and Networks</i> , 2021 , 7, 257-263	5.9	4
66	A blockchain-empowered AAA scheme in the large-scale HetNet. <i>Digital Communications and Networks</i> , 2021 , 7, 308-316	5.9	38
65	Deep Graph neural network-based spammer detection under the perspective of heterogeneous cyberspace. <i>Future Generation Computer Systems</i> , 2021 , 117, 205-218	7.5	27
64	Efficient and Privacy-Preserving Medical Research Support Platform Against COVID-19: A Blockchain-Based Approach. <i>IEEE Consumer Electronics Magazine</i> , 2021 , 10, 111-120	3.2	62
63	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5114-5128	10.7	57
62	Nonlinear MIMO for Industrial Internet of Things in CyberPhysical Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5533-5541	11.9	30
61	. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	26
60	An Efficient Ciphertext-Policy Weighted Attribute-Based Encryption for the Internet of Health Things. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , PP,	7.2	38

59	Deep Learning-Embedded Social Internet of Things for Ambiguity-Aware Social Recommendations. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	34
58	Clouds Proportionate Medical Data Stream Analytics for Internet of Things-based Healthcare Systems. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , PP,	7.2	6
57	Secure and Resilient Artificial Intelligence of Things: a HoneyNet Approach for Threat Detection and Situational Awareness. <i>IEEE Consumer Electronics Magazine</i> , 2021 , 1-1	3.2	29
56	. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	26
55	A Fuzzy Detection System for Rumors through Explainable Adaptive Learning. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	30
54	Enhancing cancer driver gene prediction by protein-protein interaction network. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , PP,	3	2
53	Energy-Aware Coded Caching Strategy Design with Resource Optimization for Satellite-UAV-Vehicle Integrated Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	11
52	3D Reconstruction for Motion Blurred Images Using Deep Learning-based Intelligent Systems. <i>Computers, Materials and Continua</i> , 2021 , 66, 2087-2104	3.9	45
51	. <i>IEEE Network</i> , 2021 , 35, 130-137	11.4	71
50	Towards Secure and Privacy-Preserving Data Sharing for COVID-19 Medical Records: A Blockchain-Empowered Approach. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	45
49	Blockchain Network Propagation Mechanism Based on P4P Architecture. <i>Security and Communication Networks</i> , 2021 , 2021, 1-12	1.9	1
48	Performance Evaluation of Online Machine Learning Models Based on Cyclic Dynamic and Feature-Adaptive Time Series. <i>IEICE Transactions on Information and Systems</i> , 2021 , E104.D, 1172-1184	0.6	3
47	Neighboring Discriminant Component Analysis for Asteroid Spectrum Classification. <i>Remote Sensing</i> , 2021 , 13, 3306	5	4
46	RON-enhanced blockchain propagation mechanism for edge-enabled smart cities. <i>Journal of Information Security and Applications</i> , 2021 , 61, 102936	3.5	2
45	Energy-efficient user association with load-balancing for cooperative IIoT network within 5G era. <i>Journal of Network and Computer Applications</i> , 2021 , 189, 103110	7.9	3
44	Blockchain-Enhanced Data Sharing With Traceable and Direct Revocation in IIoT. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 7669-7678	11.9	87
43	Newton-interpolation-based zk-SNARK for Artificial Internet of Things. <i>Ad Hoc Networks</i> , 2021 , 123, 102655	4.5	4
42	PMRSS: Privacy-preserving Medical Record Searching Scheme for Intelligent Diagnosis in IoT Healthcare. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	31

41	Secure Artificial Intelligence of Things for Implicit Group Recommendations. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	50
40	A Physical Capture Resistant Authentication Scheme for the Internet of Drones. <i>IEEE Communications Standards Magazine</i> , 2021 , 5, 62-67	3.3	0
39	PDKSAP : Perfected Double-Key Stealth Address Protocol without Temporary Key Leakage in Blockchain 2020 ,		1
38	Design and Performance Evaluation of an AI-Based W-Band Suspicious Object Detection System for Moving Persons in the IoT Paradigm. <i>IEEE Access</i> , 2020 , 8, 81378-81393	3.5	6
37	Exploring Uplink Achievable Rate for HPO MIMO Through Quasi-Monte Carlo and Variance Reduction Techniques. <i>IEEE Access</i> , 2020 , 8, 75874-75883	3.5	1
36	R3MR: Region Growing Based 3D Mesh Reconstruction for Big Data Platform. <i>IEEE Access</i> , 2020 , 8, 91740-91750	3.5	0
35	Medical Image Coloring Based on Gabor Filtering for Internet of Medical Things. <i>IEEE Access</i> , 2020 , 8, 104016-104025	3.5	9
34	Indoor temperature monitoring using wireless sensor networks: A SMAC application in smart cities. <i>Sustainable Cities and Society</i> , 2020 , 61, 102333	10.1	14
33	A Heterogeneous Image Fusion Method Based on DCT and Anisotropic Diffusion for UAVs in Future 5G IoT Scenarios. <i>Wireless Communications and Mobile Computing</i> , 2020 , 2020, 1-11	1.9	2
32	Contour-Maintaining-Based Image Adaption for an Efficient Ambulance Service in Intelligent Transportation Systems. <i>IEEE Access</i> , 2020 , 8, 12644-12654	3.5	9
31	RVFL-LQP: RVFL-Based Link Quality Prediction of Wireless Sensor Networks in Smart Grid. <i>IEEE Access</i> , 2020 , 8, 7829-7841	3.5	8
30	AuthPrivacyChain: A Blockchain-Based Access Control Framework With Privacy Protection in Cloud. <i>IEEE Access</i> , 2020 , 8, 70604-70615	3.5	49
29	Preamble Design and Detection for 5G Enabled Satellite Random Access. <i>IEEE Access</i> , 2020 , 8, 49873-49884	3.5	10
28	Implicit Feedback-based Group Recommender System for Internet of Things Applications 2020 ,		3
27	Deep-Learning-Empowered Digital Forensics for Edge Consumer Electronics in 5G HetNets. <i>IEEE Consumer Electronics Magazine</i> , 2020 , 1-1	3.2	28
26	A New Ultrasound Elastography Displacement Estimation Method for Mobile Telemedicine. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020 , 284-297	0.2	
25	Timing Advance Estimation With Robustness to Frequency Offset in Satellite Mobile Communications 2020 ,		1
24	On Scheduling Policies With Heavy-Tailed Dynamics in Wireless Queueing Systems. <i>IEEE Access</i> , 2020 , 8, 32137-32149	3.5	1

23	3D Reconstruction for Super-Resolution CT Images in the Internet of Health Things Using Deep Learning. <i>IEEE Access</i> , 2020 , 8, 121513-121525	3.5	11
22	Integrated Deep Neural Networks-Based Complex System for Urban Water Management. <i>Complexity</i> , 2020 , 2020, 1-12	1.6	0
21	Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoV. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 13784-13795	6.8	84
20	Modular-based secret image sharing in Internet of Things: A global progressive-enabled approach. <i>Concurrency Computation Practice and Experience</i> , 2020 , e6000	1.4	1
19	A Blockchain-Based Access Control Framework for Cyber-Physical-Social System Big Data. <i>IEEE Access</i> , 2020 , 8, 77215-77226	3.5	24
18	Design and Performance Evaluation of Content-Oriented Communication System for IoT Network: A Case Study of Named Node Networking for Real-Time Video Streaming System. <i>IEEE Access</i> , 2019 , 7, 88138-88149	3.5	9
17	Information-Centric Networking: Research and Standardization Status. <i>IEEE Access</i> , 2019 , 7, 126164-126176	3.5	20
16	Modeling and Analysis of Error Process in 5G Wireless Communication Using Two-State Markov Chain. <i>IEEE Access</i> , 2019 , 7, 26391-26401	3.5	10
15	A Novel Base-Station Selection Strategy for Cellular Vehicle-to-Everything (C-V2X) Communications. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 556	2.6	4
14	Using Linguistic Properties of Place Specification for Network Naming to Improve Mobility Performance. <i>Sensors</i> , 2019 , 19,	3.8	2
13	Combined Forecasting Model of Cloud Computing Resource Load for Energy-Efficient IoT System. <i>IEEE Access</i> , 2019 , 7, 149542-149553	3.5	14
12	A Context-Aware Green Information-Centric Networking Model for Future Wireless Communications. <i>IEEE Access</i> , 2018 , 6, 22804-22816	3.5	24
11	An Intelligent Content Prefix Classification Approach for Quality of Service Optimization in Information-Centric Networking. <i>Future Internet</i> , 2018 , 10, 33	3.3	8
10	Utilization efficient game-theoretical handover scheme for macro-femtocell networks 2017 ,		1
9	Naming scheme using NLP machine learning method for network weather monitoring system based on ICN 2017 ,		3
8	A Key Management Scheme for Secure Communications of Information Centric Advanced Metering Infrastructure in Smart Grid. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015 , 64, 2072-2085	5.2	90
7	Self-Optimization of Handover Parameters for Long-Term Evolution with Dual Wireless Mobile Relay Nodes. <i>Future Internet</i> , 2015 , 7, 196-213	3.3	8
6	Knowledge and data-driven hybrid system for modeling fuzzy wastewater treatment process. <i>Neural Computing and Applications</i> , 1	4.8	

5	A Displacement Estimated Method for Real Time Tissue Ultrasound Elastography. <i>Mobile Networks and Applications</i> ,1	2.9	5
4	Graph embedding-based intelligent industrial decision for complex sewage treatment processes. <i>International Journal of Intelligent Systems</i> ,	8.4	16
3	Aggregated decentralized down-sampling-based ResNet for smart healthcare systems. <i>Neural Computing and Applications</i> ,1	4.8	1
2	Data-driven management for fuzzy sewage treatment processes using hybrid neural computing. <i>Neural Computing and Applications</i> ,1	4.8	4
1	Question-aware memory network for multi-hop question answering in humanRobot interaction. <i>Complex & Intelligent Systems</i> ,1	7.1	3