Keping Yu

List of Publications by Citations

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	A Key Management Scheme for Secure Communications of Information Centric Advanced Metering Infrastructure in Smart Grid. *IEEE Transactions on Instrumentation and Measurement*, **2015**, 64, 2072-2085	5.2	90
111	Blockchain-Enhanced Data Sharing With Traceable and Direct Revocation in IIoT. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 7669-7678	11.9	87
110	Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoV. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 13784-13795	6.8	84
109	. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 4337-4347	6.1	73
108	. *IEEE Network*, **2021**, 35, 130-137	11.4	71
107	Deep-Learning-Empowered Breast Cancer Auxiliary Diagnosis for 5GB Remote E-Health. *IEEE Wireless Communications*, **2021**, 28, 54-61	13.4	70
106	Efficient and Privacy-Preserving Medical Research Support Platform Against COVID-19: A Blockchain-Based Approach. *IEEE Consumer Electronics Magazine*, **2021**, 10, 111-120	3.2	62
105	. *IEEE Internet of Things Journal*, **2021**, 8, 5114-5128	10.7	57
104	A blockchain-empowered crowdsourcing system for 5G-enabled smart cities. *Computer Standards and Interfaces*, **2021**, 76, 103517	3.5	53
103	Secure Artificial Intelligence of Things for Implicit Group Recommendations. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	50
102	AuthPrivacyChain: A Blockchain-Based Access Control Framework With Privacy Protection in Cloud. *IEEE Access*, **2020**, 8, 70604-70615	3.5	49
101	Robust Spammer Detection Using Collaborative Neural Network in Internet-of-Things Applications. *IEEE Internet of Things Journal*, **2021**, 8, 9549-9558	10.7	48
100	3D Reconstruction for Motion Blurred Images Using Deep Learning-based Intelligent Systems. *Computers, Materials and Continua*, **2021**, 66, 2087-2104	3.9	45
99	Towards Secure and Privacy-Preserving Data Sharing for COVID-19 Medical Records: A Blockchain-Empowered Approach. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1	4.9	45
98	Securing Critical Infrastructures: Deep-Learning-Based Threat Detection in IIoT. *IEEE Communications Magazine*, **2021**, 59, 76-82	9.1	38
97	A blockchain-empowered AAA scheme in the large-scale HetNet. *Digital Communications and Networks*, **2021**, 7, 308-316	5.9	38
96	An Efficient Ciphertext-Policy Weighted Attribute-Based Encryption for the Internet of Health Things. *IEEE Journal of Biomedical and Health Informatics*, **2021**, PP,	7.2	38

95	Deep Learning-Embedded Social Internet of Things for Ambiguity-Aware Social Recommendations. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1	4.9	34
94	PMRSS: Privacy-preserving Medical Record Searching Scheme for Intelligent Diagnosis in IoT Healthcare. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	31
93	Early Collision Detection for Massive Random Access in Satellite-Based Internet of Things. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 5184-5189	6.8	30
92	Nonlinear MIMO for Industrial Internet of Things in Cyber-Physical Systems. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 5533-5541	11.9	30
91	A Fuzzy Detection System for Rumors through Explainable Adaptive Learning. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	30
90	Secure and Resilient Artificial Intelligence of Things: a HoneyNet Approach for Threat Detection and Situational Awareness. *IEEE Consumer Electronics Magazine*, **2021**, 1-1	3.2	29
89	Deep-Learning-Empowered Digital Forensics for Edge Consumer Electronics in 5G HetNets. *IEEE Consumer Electronics Magazine*, **2020**, 1-1	3.2	28
88	Graph Neural Networks-driven Traffic Forecasting for Connected Internet of Vehicles. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1	4.9	27
87	Deep Graph neural network-based spammer detection under the perspective of heterogeneous cyberspace. *Future Generation Computer Systems*, **2021**, 117, 205-218	7.5	27
86	. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	26
85	. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	26
84	A Context-Aware Green Information-Centric Networking Model for Future Wireless Communications. *IEEE Access*, **2018**, 6, 22804-22816	3.5	24
83	A Blockchain-Based Access Control Framework for Cyber-Physical-Social System Big Data. *IEEE Access*, **2020**, 8, 77215-77226	3.5	24
82	Toward real-time and efficient cardiovascular monitoring for COVID-19 patients by 5G-enabled wearable medical devices: a deep learning approach. *Neural Computing and Applications*, **2021**, 1-14	4.8	23
81	Constructing a prior-dependent graph for data clustering and dimension reduction in the edge of AIoT. *Future Generation Computer Systems*, **2021**, 128, 381-381	7.5	22
80	A Blockchain-empowered Access Control Framework for Smart Devices in Green Internet of Things. *ACM Transactions on Internet Technology*, **2021**, 21, 1-20	3.8	21
79	Information-Centric Networking: Research and Standardization Status. *IEEE Access*, **2019**, 7, 126164-126175	3.5	20
78	. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	17

77	Perceptual Enhancement for Autonomous Vehicles: Restoring Visually Degraded Images for Context Prediction via Adversarial Training. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-12	6.1	17
76	Speech Emotion Recognition Enhanced Traffic Efficiency Solution for Autonomous Vehicles in a 5G-Enabled Space-Air-Ground Integrated Intelligent Transportation System. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-13	6.1	17
75	An Intelligent Trust Cloud Management Method for Secure Clustering in 5G enabled Internet of Medical Things. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	16
74	Delay Sensitive Secure NOMA Transmission for Hierarchical HAP-LAP Medical-care IoT Networks. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	16
73	Graph embedding-based intelligent industrial decision for complex sewage treatment processes. *International Journal of Intelligent Systems*,	8.4	16
72	Fuz-Spam: Label Smoothing-based Fuzzy Detection of Spammers in Internet of Things. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	15
71	ELITE: An Intelligent Digital Twin-based Hierarchical Routing Scheme for Softwarized Vehicular Networks. *IEEE Transactions on Mobile Computing*, **2022**, 1-1	4.6	15
70	Indoor temperature monitoring using wireless sensor networks: A SMAC application in smart cities. *Sustainable Cities and Society*, **2020**, 61, 102333	10.1	14
69	Combined Forecasting Model of Cloud Computing Resource Load for Energy-Efficient IoT System. *IEEE Access*, **2019**, 7, 149542-149553	3.5	14
68	Agent architecture of an intelligent medical system based on federated learning and blockchain technology. *Journal of Information Security and Applications*, **2021**, 58, 102748	3.5	14
67	A cooperative resource allocation model for IoT applications in mobile edge computing. *Computer Communications*, **2021**, 173, 183-191	5.1	12
66	Cross-Layer Device Authentication with Quantum Encryption for 5G Enabled IIoT in Industry 4.0. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	11
65	3D Reconstruction for Super-Resolution CT Images in the Internet of Health Things Using Deep Learning. *IEEE Access*, **2020**, 8, 121513-121525	3.5	11
64	Energy-Aware Coded Caching Strategy Design with Resource Optimization for Satellite-UAV-Vehicle Integrated Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	11
63	Spatio-Temporal Feature Encoding for Traffic Accident Detection in VANET Environment. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-10	6.1	11
62	Modeling and Analysis of Error Process in 5G Wireless Communication Using Two-State Markov Chain. *IEEE Access*, **2019**, 7, 26391-26401	3.5	10
61	Preamble Design and Detection for 5G Enabled Satellite Random Access. *IEEE Access*, **2020**, 8, 49873-49884	3.5	10
60	AI-Driven Synthetic Biology for Non-Small Cell Lung Cancer Drug Effectiveness-Cost Analysis in Intelligent Assisted Medical Systems. *IEEE Journal of Biomedical and Health Informatics*, **2021**, PP,	7.2	10

59	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. *IEEE Access*, **2019**, 7, 88138-88149	3.5	9
58	Medical Image Coloring Based on Gabor Filtering for Internet of Medical Things. *IEEE Access*, **2020**, 8, 104016-104025	3.5	9
57	Contour-Maintaining-Based Image Adaption for an Efficient Ambulance Service in Intelligent Transportation Systems. *IEEE Access*, **2020**, 8, 12644-12654	3.5	9
56	Efficient Offloading for Minimizing Task Computation Delay of NOMA-Based Multi-access Edge Computing. *IEEE Transactions on Communications*, **2022**, 1-1	6.9	9
55	RVFL-LQP: RVFL-Based Link Quality Prediction of Wireless Sensor Networks in Smart Grid. *IEEE Access*, **2020**, 8, 7829-7841	3.5	8
54	Self-Optimization of Handover Parameters for Long-Term Evolution with Dual Wireless Mobile Relay Nodes. *Future Internet*, **2015**, 7, 196-213	3.3	8
53	A NOMA-Enabled Framework for Relay Deployment and Network Optimization in Double-Layer Airborne Access VANETs. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-15	6.1	8
52	An Intelligent Content Prefix Classification Approach for Quality of Service Optimization in Information-Centric Networking. *Future Internet*, **2018**, 10, 33	3.3	8
51	A Collaborative V2X Data Correction Method for Road Safety. *IEEE Transactions on Reliability*, **2022**, 1-12	4.6	8
50	Design and Performance Evaluation of an AI-Based W-Band Suspicious Object Detection System for Moving Persons in the IoT Paradigm. *IEEE Access*, **2020**, 8, 81378-81393	3.5	6
49	R3MR: Region Growing Based 3D Mesh Reconstruction for Big Data Platform. *IEEE Access*, **2020**, 8, 91740-91756	3.5	6
48	A Novel Real-Time Deterministic Scheduling Mechanism in Industrial Cyber-Physical Systems for Energy Internet. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	6
47	Probabilistic inference-based modeling for sustainable environmental systems under hybrid cloud infrastructure. *Simulation Modelling Practice and Theory*, **2021**, 107, 102215	3.9	6
46	Clouds Proportionate Medical Data Stream Analytics for Internet of Things-based Healthcare Systems. *IEEE Journal of Biomedical and Health Informatics*, **2021**, PP,	7.2	6
45	A Displacement Estimated Method for Real Time Tissue Ultrasound Elastography. *Mobile Networks and Applications*,1	2.9	5
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42	AI-Empowered Speed Extraction via Port-Like Videos for Vehicular Trajectory Analysis. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-12	6.1	5

41	A Novel Base-Station Selection Strategy for Cellular Vehicle-to-Everything (C-V2X) Communications. *Applied Sciences (Switzerland)*, **2019**, 9, 556	2.6	4
40	A blockchain-based Shamir's threshold cryptography for data protection in industrial internet of things of smart city **2021**,		4
39	Cross-domain authentication for 5G-enabled UAVs **2021**,		4
38	Challenge-based collaborative intrusion detection in software-defined networking: an evaluation. *Digital Communications and Networks*, **2021**, 7, 257-263	5.9	4
37	Data-driven management for fuzzy sewage treatment processes using hybrid neural computing. *Neural Computing and Applications*,1	4.8	4
36	Neighboring Discriminant Component Analysis for Asteroid Spectrum Classification. *Remote Sensing*, **2021**, 13, 3306	5	4
35	Newton-interpolation-based zk-SNARK for Artificial Internet of Things. *Ad Hoc Networks*, **2021**, 123, 102656	4.5	4
34	Naming scheme using NLP machine learning method for network weather monitoring system based on ICN **2017**,		3
33	Implicit Feedback-based Group Recommender System for Internet of Things Applications **2020**,		3
32	Blockchain-Empowered Contact Tracing for COVID-19 Using Crypto-Spatiotemporal Information **2021**,		3
31	Question-aware memory network for multi-hop question answering in human-robot interaction. *Complex & Intelligent Systems*,1	7.1	3
30	Performance Evaluation of Online Machine Learning Models Based on Cyclic Dynamic and Feature-Adaptive Time Series. *IEICE Transactions on Information and Systems*, **2021**, E104.D, 1172-1184	0.6	3
29	Energy-efficient user association with load-balancing for cooperative IIoT network within B5G era. *Journal of Network and Computer Applications*, **2021**, 189, 103110	7.9	3
28	A Heterogeneous Image Fusion Method Based on DCT and Anisotropic Diffusion for UAVs in Future 5G IoT Scenarios. *Wireless Communications and Mobile Computing*, **2020**, 2020, 1-11	1.9	2
27	Using Linguistic Properties of Place Specification for Network Naming to Improve Mobility Performance. *Sensors*, **2019**, 19,	3.8	2
26	Enhancing cancer driver gene prediction by protein-protein interaction network. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2021**, PP,	3	2
25	RON-enhanced blockchain propagation mechanism for edge-enabled smart cities. *Journal of Information Security and Applications*, **2021**, 61, 102936	3.5	2
24	Edge YOLO: Real-Time Intelligent Object Detection System Based on Edge-Cloud Cooperation in Autonomous Vehicles. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-16	6.1	2

23	Secure routing for LEO satellite network survivability. *Computer Networks*, **2022**, 109011	5.4	2
22	PDKSAP : Perfected Double-Key Stealth Address Protocol without Temporary Key Leakage in Blockchain **2020**,		1
21	Exploring Uplink Achievable Rate for HPO MIMO Through Quasi-Monte Carlo and Variance Reduction Techniques. *IEEE Access*, **2020**, 8, 75874-75883	3.5	1
20	Utilization efficient game-theoretical handover scheme for macro-femtocell networks **2017**,		1
19	Bl-IEA: A Bit-Level Image Encryption Algorithm for Cognitive Services in Intelligent Transportation Systems. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-13	6.1	1
18	Joint Optimal Quantization and Aggregation of Federated Learning Scheme in VANETs. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-12	6.1	1
17	Distributed collaboration and anti-interference optimization in edge computing for IoT. *Journal of Parallel and Distributed Computing*, **2022**, 163, 156-156	4.4	1
16	BESS Aided Renewable Energy Supply using Deep Reinforcement Learning for 5G and Beyond. *IEEE Transactions on Green Communications and Networking*, **2021**, 1-1	4	1
15	Timing Advance Estimation With Robustness to Frequency Offset in Satellite Mobile Communications **2020**,		1
14	On Scheduling Policies With Heavy-Tailed Dynamics in Wireless Queueing Systems. *IEEE Access*, **2020**, 8, 32137-32149	3.5	1
13	Modular-based secret image sharing in Internet of Things: A global progressive-enabled approach. *Concurrency Computation Practice and Experience*, **2020**, e6000	1.4	1
12	Aggregated decentralized down-sampling-based ResNet for smart healthcare systems. *Neural Computing and Applications*,1	4.8	1
11	Blockchain Network Propagation Mechanism Based on P4P Architecture. *Security and Communication Networks*, **2021**, 2021, 1-12	1.9	1
10	Theoretical Performance Analysis of Distributed Queue for Massive Machine Type Communications: Throughput, Latency, Energy Consumption. *IEEE Transactions on Network and Service Management*, **2022**, 1-1	4.8	0
9	Reliable Uplink Synchronization Maintenance for Satellite-Ground Integrated Vehicular Networks: A High-Order Statistics-Based Timing Advance Update Approach. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-14	6.1	0
8	Integrated Deep Neural Networks-Based Complex System for Urban Water Management. *Complexity*, **2020**, 2020, 1-12	1.6	0
7	Internet of Things Positioning Technology Based Intelligent Delivery System. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-15	6.1	0
6	Distributed Maritime Transport Communication System With Reliability and Safety Based on Blockchain and Edge Computing. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-11	6.1	0

5	A Physical Capture Resistant Authentication Scheme for the Internet of Drones. *IEEE Communications Standards Magazine*, **2021**, 5, 62-67	3.3	0
4	Generative Steganography Based on Long Readable Text Generation. *IEEE Transactions on Computational Social Systems*, **2022**, 1-11	4.5	0
3	A New Ultrasound Elastography Displacement Estimation Method for Mobile Telemedicine. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2020**, 284-297	0.2	
2	Knowledge and data-driven hybrid system for modeling fuzzy wastewater treatment process. *Neural Computing and Applications*,1	4.8	
1	A Semantics and Behaviors-Collaboratively Driven Spammer Detection Method. *Lecture Notes in Electrical Engineering*, **2022**, 1320-1329	0.2	