

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.

134 papers	2,990 citations	26 h-index	51 g-index
162 ext. papers	3,891 ext. citations	5.2 avg, IF	6 L-index

#	Paper	IF	Citations
134	GradMFL: Gradient Memory-Based Federated Learning for Hierarchical Knowledge Transferring Over Non-IID Data. <i>Lecture Notes in Computer Science</i> , 2022 , 612-626	0.9	
133	Artificial Intelligence-Based Energy Efficient Communication System for Intelligent Reflecting Surface-Driven VANETs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-13	6.1	1
132	Multi-Tentacle Federated Learning over Software-Defined Industrial Internet of Things Against Adaptive Poisoning Attacks. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	3
131	SCA-LFD: Side-Channel Analysis based Load Forecasting Disturbance in the Energy Internet. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	
130	Side-Channel Fuzzy Analysis based AI-Model Extraction Attack with Information Theoretic Perspective in Intelligent IoT. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	1
129	Progressive Slice Recovery With Guaranteed Slice Connectivity After Massive Failures. <i>IEEE/ACM Transactions on Networking</i> , 2021 , 1-14	3.8	1
128	Explainable Intelligence-Driven Defense Mechanism against Advanced Persistent Threats: A Joint Edge Game and AI Approach. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 1-1	3.9	0
127	Stochastic Digital-Twin Service Demand with Edge Response: An Incentive-Based Congestion Control Approach. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	2
126	Digital Twin Consensus for Blockchain-Enabled Intelligent Transportation Systems in Smart Cities. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-11	6.1	5
125	Efficient and Lightweight Data Streaming Authentication in Industrial Control and Automation Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 4279-4287	11.9	5
124	. <i>IEEE Sensors Journal</i> , 2021 , 21, 15875-15884	4	3
123	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 4443-4456	6.1	18
122	Leveraging Energy Function Virtualization With Game Theory for Fault-Tolerant Smart Grid. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 678-687	11.9	6
121	Information-Centric Massive IoT-Based Ubiquitous Connected VR/AR in 6G: A Proposed Caching Consensus Approach. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5172-5184	10.7	18
120	Joint Protection of Energy Security and Information Privacy for Energy Harvesting: An Incentive Federated Learning Approach. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	6
119	Fog-based Secure Service Discovery for Internet of Multimedia Things. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2021 , 16, 1-23	3.4	4
118	Deep Reinforcement Learning-based Cybertwin Architecture for 6G IIoT: An Integrated Design of Control, Communication, and Computing. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	7

117	Sema-IloVT: Emergent Semantic-Based Trustworthy Information-Centric Fog System and Testbed for Intelligent Internet of Vehicles. <i>IEEE Consumer Electronics Magazine</i> , 2021 , 1-1	3.2	5
116	Differential Privacy and IRS Empowered Intelligent Energy Harvesting for 6G Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	5
115	Friend-as-Learner: Socially-Driven Trustworthy and Efficient Wireless Federated Edge Learning. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	3
114	Security and Intelligent Management for Fog/Edge Computing Resources. <i>Advances in Information Security</i> , 2021 , 213-234	0.7	0
113	Information-Centric Wireless Sensor Networking Scheme with Water-Depth-Awareness Content Caching for Underwater IoT. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
112	Blockchain-Based Trust Edge Knowledge Inference of Multi-Robot Systems for Collaborative Tasks. <i>IEEE Communications Magazine</i> , 2021 , 59, 94-100	9.1	8
111	. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 1154-1164	4	7
110	Privacy Preserved Cyber-Physical Searching for Information-Centric Intelligent Agriculture. <i>IEEE Open Journal of the Computer Society</i> , 2021 , 1-1	3.6	1
109	Deep Neural Backdoor in Semi-Supervised Learning: Threats and Countermeasures. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 1-1	8	5
108	IEEE Access Special Section Editorial: Blockchain Technology: Principles and Applications. <i>IEEE Access</i> , 2021 , 9, 110006-110010	3.5	1
107	A Differentially Private Big Data Nonparametric Bayesian Clustering Algorithm in Smart Grid. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 2631-2641	4.9	9
106	. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 2126-2136	4.9	12
105	Processing capability and QoE driven optimized computation offloading scheme in vehicular fog based F-RAN. <i>World Wide Web</i> , 2020 , 23, 2547-2565	2.9	3
104	Preserving Edge Knowledge Sharing Among IoT Services: A Blockchain-Based Approach. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 653-665	4.1	15
103	. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020 , 1-1	4.1	67
102	A Reputation Value-Based Early Detection Mechanism Against the Consumer-Provider Collusive Attack in Information-Centric IoT. <i>IEEE Access</i> , 2020 , 8, 38262-38275	3.5	3
101	. <i>IEEE Transactions on Industry Applications</i> , 2020 , 1-1	4.3	22
100	SPCSS: Social Network Based Privacy-Preserving Criminal Suspects Sensing. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 7, 261-274	4.5	2

99	Application-Aware Consensus Management for Software-Defined Intelligent Blockchain in IoT. <i>IEEE Network</i> , 2020 , 34, 69-75	11.4	50
98	Integrating NFV and ICN for Advanced Driver-Assistance Systems. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 5861-5873	10.7	10
97	Cross-lingual multi-keyword rank search with semantic extension over encrypted data. <i>Information Sciences</i> , 2020 , 514, 523-540	7.7	43
96	DeSVig: Decentralized Swift Vigilance Against Adversarial Attacks in Industrial Artificial Intelligence Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3267-3277	11.9	27
95	Cognitive Balance for Fog Computing Resource in Internet of Things: An Edge Learning Approach. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 1-1	4.6	10
94	Blockchain-Based Incentive Energy-Knowledge Trading in IoT: Joint Power Transfer and AI Design. <i>IEEE Internet of Things Journal</i> , 2020 , 1-1	10.7	29
93	Sustainable Secure Management Against APT Attacks for Intelligent Embedded-Enabled Smart Manufacturing. <i>IEEE Transactions on Sustainable Computing</i> , 2020 , 5, 341-352	3.5	5
92	Towards secure and efficient energy trading in IIoT-enabled energy internet: A blockchain approach. <i>Future Generation Computer Systems</i> , 2020 , 110, 686-695	7.5	46
91	Smart NCAP supporting Low-Rate DDoS Detection for IEEE 21451-1-5 Internet of Things 2019 ,		2
90	MBID: Micro-Blockchain-Based Geographical Dynamic Intrusion Detection for V2X. <i>IEEE Communications Magazine</i> , 2019 , 57, 77-83	9.1	54
89	Fog-Computing-Enabled Cognitive Network Function Virtualization for an Information-Centric Future Internet. <i>IEEE Communications Magazine</i> , 2019 , 57, 48-54	9.1	64
88	. <i>IEEE Consumer Electronics Magazine</i> , 2019 , 8, 61-65	3.2	19
87	ISRF: interest semantic reasoning based fog firewall for information-centric Internet of Vehicles. <i>IET Intelligent Transport Systems</i> , 2019 , 13, 975-982	2.4	5
86	Edge-MapReduce-Based Intelligent Information-Centric IoV: Cognitive Route Planning. <i>IEEE Access</i> , 2019 , 7, 50549-50560	3.5	15
85	Making Knowledge Tradable in Edge-AI Enabled IoT: A Consortium Blockchain-Based Efficient and Incentive Approach. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 6367-6378	11.9	90
84	. <i>IEEE Access</i> , 2019 , 7, 45773-45782	3.5	14
83	Emergent LBS: If GNSS Fails, How Can 5G-enabled Vehicles Get Locations Using Fogs? 2019 ,		1
82	Edge Learning based Green Content Distribution for Information-Centric Internet of Things 2019 ,		4

81	Decentralized On-Demand Energy Supply for Blockchain in Internet of Things: A Microgrids Approach. <i>IEEE Transactions on Computational Social Systems</i> , 2019 , 6, 1395-1406	4.5	72
80	Vehicle-to-Cloudlet: Game-Based Computation Demand Response for Mobile Edge Computing through Vehicles 2019 ,		5
79	SCEH: Smart Customized E-Health Framework for Countryside Using Edge AI and Body Sensor Networks 2019 ,		1
78	Toward Dynamic Computation Offloading for Data Processing in Vehicular Fog Based F-RAN 2019 ,		2
77	Edge-to-Edge Cooperative Artificial Intelligence in Smart Cities with On-Demand Learning Offloading 2019 ,		17
76	Shape-Unconstrained Privacy-Preserving Range Query for Fog Computing Supported Vehicular Networks Using Image 2019 ,		2
75	EdgeLaaS: Edge Learning as a Service for Knowledge-Centric Connected Healthcare. <i>IEEE Network</i> , 2019 , 33, 37-43	11.4	20
74	Toward Software Defined Dynamic Defense as a Service for 5G-Enabled Vehicular Networks 2019 ,		5
73	A Survey on Green 6G Network: Architecture and Technologies. <i>IEEE Access</i> , 2019 , 7, 175758-175768	3.5	155
72	NLES: A Novel Lifetime Extension Scheme for Safety-Critical Cyber-Physical Systems Using SDN and NFV. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 2463-2475	10.7	38
71	Fog-Enabled Vehicle as a Service for Computing Geographical Migration in Smart Cities. <i>IEEE Access</i> , 2019 , 7, 8726-8736	3.5	18
70	CDLB: a cross-domain load balancing mechanism for software defined networks in cloud data centre. <i>International Journal of Computational Science and Engineering</i> , 2019 , 18, 44	0.4	6
69	APPA: An anonymous and privacy preserving data aggregation scheme for fog-enhanced IoT. <i>Journal of Network and Computer Applications</i> , 2019 , 125, 82-92	7.9	114
68	FCSS: Fog-Computing-based Content-Aware Filtering for Security Services in Information-Centric Social Networks. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2019 , 7, 553-564	4.1	116
67	Cross-Layer Optimization for Cooperative Content Distribution in Multihop Device-to-Device Networks. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 278-287	10.7	19
66	A Novel Airbnb Matching Scheme in Shared Economy Using Confidence and Prediction Uncertainty Analysis. <i>IEEE Access</i> , 2018 , 6, 10320-10331	3.5	2
65	Fog Computing-Enabled Secure Demand Response for Internet of Energy Against Collusion Attacks Using Consensus and ACE. <i>IEEE Access</i> , 2018 , 6, 11278-11288	3.5	32
64	Big Data Analysis-Based Secure Cluster Management for Optimized Control Plane in Software-Defined Networks. <i>IEEE Transactions on Network and Service Management</i> , 2018 , 15, 27-38	4.8	141

63	. <i>IEEE Vehicular Technology Magazine</i> , 2018 , 13, 102-109	9.9	21
62	Big Data Analysis-Based Security Situational Awareness for Smart Grid. <i>IEEE Transactions on Big Data</i> , 2018 , 4, 408-417	3.2	67
61	Novel Lifetime Extension Technology for Cyber-Physical Systems Using SDN and NFV 2018 , 287-304		
60	A Novel Error Correction Mechanism for Energy-Efficient Cyber-Physical Systems in Smart Building. <i>IEEE Access</i> , 2018 , 6, 39037-39045	3.5	11
59	Energy-Efficient Location Privacy Preserving in Vehicular Networks Using Social Intimate Fogs. <i>IEEE Access</i> , 2018 , 6, 49801-49810	3.5	3
58	MapReduce Enabling Content Analysis Architecture for Information-Centric Networks Using CNN 2018 ,		2
57	Consumer preference-enabled intelligent energy management for smart cities using game theoretic social tie. <i>International Journal of Distributed Sensor Networks</i> , 2018 , 14, 155014771877323	1.7	3
56	Service Popularity-Based Smart Resources Partitioning for Fog Computing-Enabled Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4702-4711	11.9	98
55	SLA-Aware Fine-Grained QoS Provisioning for Multi-Tenant Software-Defined Networks. <i>IEEE Access</i> , 2018 , 6, 159-170	3.5	14
54	Sema-ICN: Toward Semantic Information-Centric Networking Supporting Smart Anomalous Access Detection 2018 ,		3
53	Vehicle Mobility-Based Geographical Migration of Fog Resource for Satellite-Enabled Smart Cities 2018 ,		3
52	Novel architectures and security solutions of programmable software-defined networking: a comprehensive survey. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2018 , 19, 1500-1521	2.1	2
51	Ant Colony Cleaning Behavior Algorithm Based Multicast for SDN in Smart Grid 2018 ,		1
50	Deep Reinforcement Learning based Smart Mitigation of DDoS Flooding in Software-Defined Networks 2018 ,		17
49	Toward Intelligent Detection Modelling for Adversarial Samples in Convolutional Neural Networks 2018 ,		2
48	Binary Reed-Solomon Coding Based Distributed Storage Scheme in Information-Centric Fog Networks 2018 ,		3
47	Software-defined dynamic QoS provisioning for smart metering in energy Internet using fog computing and network calculus. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2018 , 3, 142-149	2.5	2
46	SSDS: A Smart Software-Defined Security Mechanism for Vehicle-to-Grid Using Transfer Learning. <i>IEEE Access</i> , 2018 , 6, 63967-63975	3.5	10

45	Energy-Efficient Fault-Tolerant Scheduling Algorithm for Real-Time Tasks in Cloud-Based 5G Networks. <i>IEEE Access</i> , 2018 , 6, 53671-53683	3.5	6
44	. <i>IEEE Access</i> , 2018 , 6, 52867-52876	3.5	14
43	. <i>IEEE Access</i> , 2017 , 5, 3250-3262	3.5	13
42	Software-defined networking model for smart transformers with ISO/IEC/IEEE 21451 sensors. <i>ICT Express</i> , 2017 , 3, 67-71	4.9	3
41	Achieving Efficient and Secure Data Acquisition for Cloud-Supported Internet of Things in Smart Grid. <i>IEEE Internet of Things Journal</i> , 2017 , 4, 1934-1944	10.7	152
40	A Secure Mechanism for Big Data Collection in Large Scale Internet of Vehicle. <i>IEEE Internet of Things Journal</i> , 2017 , 4, 601-610	10.7	79
39	Toward mobility support for information-centric IoV in smart city using fog computing 2017 ,		20
38	Achieving Efficient Detection Against False Data Injection Attacks in Smart Grid. <i>IEEE Access</i> , 2017 , 5, 13787-13798	3.5	50
37	Battery Status Sensing Software-Defined Multicast for V2G Regulation in Smart Grid. <i>IEEE Sensors Journal</i> , 2017 , 17, 7838-7848	4	20
36	An efficient encryption scheme with verifiable outsourced decryption in mobile cloud computing 2017 ,		6
35	Fog computing based content-aware taxonomy for caching optimization in information-centric networks 2017 ,		8
34	SD-OPTS: Software-Defined On-Path Time Synchronization for Information-Centric Smart Grid 2017 ,		6
33	Software-Defined Efficient Service Reconstruction in Fog Using Content Awareness and Weighted Graph 2017 ,		2
32	CC-fog: Toward content-centric fog networks for E-health 2017 ,		4
31	Towards QoE named content-centric wireless multimedia sensor networks with mobile sinks 2017 ,		4
30	Crowd Sensing-Enabling Security Service Recommendation for Social Fog Computing Systems. <i>Sensors</i> , 2017 , 17,	3.8	11
29	A multi-stage attack mitigation mechanism for software-defined home networks. <i>IEEE Transactions on Consumer Electronics</i> , 2016 , 62, 200-207	4.8	12
28	SDN based dynamic and autonomous bandwidth allocation as ACSI services of IEC61850 communications in smart grid 2016 ,		6

27	A Hierarchical Security Framework for Defending Against Sophisticated Attacks on Wireless Sensor Networks in Smart Cities. <i>IEEE Access</i> , 2016 , 4, 416-424	3.5	97
26	A Safety Resource Allocation Mechanism against Connection Fault for Vehicular Cloud Computing. <i>Mobile Information Systems</i> , 2016 , 2016, 1-13	1.4	6
25	Deep Packet Inspection Based Application-Aware Traffic Control for Software Defined Networks 2016 ,		21
24	Software-defined QoS provisioning for fog computing advanced wireless sensor networks 2016 ,		14
23	A security mechanism for software-defined networking based communications in vehicle-to-grid 2016 ,		6
22	An anonymous distributed key management system based on CL-PKC for space information network 2016 ,		10
21	Improving Energy Efficiency in Industrial Wireless Sensor Networks Using SDN and NFV 2016 ,		4
20	Low-Complexity Error Correction for ISO/IEC/IEEE 21451-5 Sensor and Actuator Networks. <i>IEEE Sensors Journal</i> , 2015 , 15, 2622-2630	4	6
19	Proposed Security Mechanism for XMPP-Based Communications of ISO/IEC/IEEE 21451 Sensor Networks. <i>IEEE Sensors Journal</i> , 2015 , 15, 2577-2586	4	28
18	A Defense Mechanism for Distributed Denial of Service Attack in Software-Defined Networks 2015 ,		11
17	Securing distributed storage for Social Internet of Things using regenerating code and Blom key agreement. <i>Peer-to-Peer Networking and Applications</i> , 2015 , 8, 1133-1142	3.1	23
16	Context-Aware Traffic Forwarding Service for Applications in SDN 2015 ,		4
15	Chance Discovery Based Security Service Selection for Social P2P Based Sensor Networks 2015 ,		4
14	Toward Vulnerability Assessment for 5G Mobile Communication Networks 2015 ,		6
13	A Security Assessment Mechanism for Software-Defined Networking-Based Mobile Networks. <i>Sensors</i> , 2015 , 15, 31843-58	3.8	14
12	Frequency Resource Sharing and Allocation Scheme Based on Coalition Formation Game in Hybrid D2D-Cellular Network. <i>International Journal of Antennas and Propagation</i> , 2015 , 2015, 1-10	1.2	0
11	Event-oriented dynamic security service for demand response in smart grid employing mobile networks. <i>China Communications</i> , 2015 , 12, 63-75	3	7
10	Cloud radio access network (C-RAN): a primer. <i>IEEE Network</i> , 2015 , 29, 35-41	11.4	282

9	Reduced memory decoding schemes for turbo decoding based on storing the index of the state metric. <i>IET Communications</i> , 2014 , 8, 2095-2105	1.3	2
8	Energy Efficiency and Spectral Efficiency Tradeoff in Device-to-Device (D2D) Communications. <i>IEEE Wireless Communications Letters</i> , 2014 , 3, 485-488	5.9	173
7	A Fine-Grained Cross-Domain Access Control Mechanism for Social Internet of Things 2014 ,		5
6	Distributed interference-aware energy-efficient resource allocation for device-to-device communications underlying cellular networks 2014 ,		29
5	Towards Fault-Tolerant Fine-Grained Data Access Control for Smart Grid. <i>Wireless Personal Communications</i> , 2014 , 75, 1787-1808	1.9	20
4	Analysis and Extension of Safety Mechanisms for Standardized Control Networks in Smart Grid. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 941967	1.7	
3	A Cross-Layer Security Scheme of Web-Services-Based Communications for IEEE 1451 Sensor and Actuator Networks. <i>International Journal of Distributed Sensor Networks</i> , 2013 , 9, 138384	1.7	1
2	Laboratory study of the clogging process and factors affecting clogging in a tailings dam. <i>Environmental Geology</i> , 2008 , 54, 1067-1074		17
1	Field investigations and laboratory simulation of clogging in Lixi tailings dam of Jinduicheng, China. <i>Environmental Geology</i> , 2007 , 53, 387-397		10