

List of Publications by Citations

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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	Cloud radio access network (C-RAN): a primer. <i>IEEE Network</i> , <b>2015</b> , 29, 35-41	11.4	282
133	Energy Efficiency and Spectral Efficiency Tradeoff in Device-to-Device (D2D) Communications. <i>IEEE Wireless Communications Letters</i> , <b>2014</b> , 3, 485-488	5.9	173
132	A Survey on Green 6G Network: Architecture and Technologies. <i>IEEE Access</i> , <b>2019</b> , 7, 175758-175768	3.5	155
131	Achieving Efficient and Secure Data Acquisition for Cloud-Supported Internet of Things in Smart Grid. <i>IEEE Internet of Things Journal</i> , <b>2017</b> , 4, 1934-1944	10.7	152
130	Big Data Analysis-Based Secure Cluster Management for Optimized Control Plane in Software-Defined Networks. <i>IEEE Transactions on Network and Service Management</i> , <b>2018</b> , 15, 27-38	4.8	141
129	FCSS: Fog-Computing-based Content-Aware Filtering for Security Services in Information-Centric Social Networks. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2019</b> , 7, 553-564	4.1	116
128	APPA: An anonymous and privacy preserving data aggregation scheme for fog-enhanced IoT. <i>Journal of Network and Computer Applications</i> , <b>2019</b> , 125, 82-92	7.9	114
127	Service Popularity-Based Smart Resources Partitioning for Fog Computing-Enabled Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 4702-4711	11.9	98
126	A Hierarchical Security Framework for Defending Against Sophisticated Attacks on Wireless Sensor Networks in Smart Cities. <i>IEEE Access</i> , <b>2016</b> , 4, 416-424	3.5	97
125	Making Knowledge Tradable in Edge-AI Enabled IoT: A Consortium Blockchain-Based Efficient and Incentive Approach. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 6367-6378	11.9	90
124	A Secure Mechanism for Big Data Collection in Large Scale Internet of Vehicle. <i>IEEE Internet of Things Journal</i> , <b>2017</b> , 4, 601-610	10.7	79
123	Decentralized On-Demand Energy Supply for Blockchain in Internet of Things: A Microgrids Approach. <i>IEEE Transactions on Computational Social Systems</i> , <b>2019</b> , 6, 1395-1406	4.5	72
122	. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2020</b> , 1-1	4.1	67
121	Big Data Analysis-Based Security Situational Awareness for Smart Grid. <i>IEEE Transactions on Big Data</i> , <b>2018</b> , 4, 408-417	3.2	67
120	Fog-Computing-Enabled Cognitive Network Function Virtualization for an Information-Centric Future Internet. <i>IEEE Communications Magazine</i> , <b>2019</b> , 57, 48-54	9.1	64
119	MBID: Micro-Blockchain-Based Geographical Dynamic Intrusion Detection for V2X. <i>IEEE Communications Magazine</i> , <b>2019</b> , 57, 77-83	9.1	54
118	Application-Aware Consensus Management for Software-Defined Intelligent Blockchain in IoT. <i>IEEE Network</i> , <b>2020</b> , 34, 69-75	11.4	50

117	Achieving Efficient Detection Against False Data Injection Attacks in Smart Grid. <i>IEEE Access</i> , <b>2017</b> , 5, 13787-13798	3.5	50
116	Towards secure and efficient energy trading in IIoT-enabled energy internet: A blockchain approach. <i>Future Generation Computer Systems</i> , <b>2020</b> , 110, 686-695	7.5	46
115	Cross-lingual multi-keyword rank search with semantic extension over encrypted data. <i>Information Sciences</i> , <b>2020</b> , 514, 523-540	7.7	43
114	NLES: A Novel Lifetime Extension Scheme for Safety-Critical Cyber-Physical Systems Using SDN and NFV. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 2463-2475	10.7	38
113	Fog Computing-Enabled Secure Demand Response for Internet of Energy Against Collusion Attacks Using Consensus and ACE. <i>IEEE Access</i> , <b>2018</b> , 6, 11278-11288	3.5	32
112	Distributed interference-aware energy-efficient resource allocation for device-to-device communications underlying cellular networks <b>2014</b> ,		29
111	Blockchain-Based Incentive Energy-Knowledge Trading in IoT: Joint Power Transfer and AI Design. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 1-1	10.7	29
110	Proposed Security Mechanism for XMPP-Based Communications of ISO/IEC/IEEE 21451 Sensor Networks. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 2577-2586	4	28
109	DeSVig: Decentralized Swift Vigilance Against Adversarial Attacks in Industrial Artificial Intelligence Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 3267-3277	11.9	27
108	Securing distributed storage for Social Internet of Things using regenerating code and Blom key agreement. <i>Peer-to-Peer Networking and Applications</i> , <b>2015</b> , 8, 1133-1142	3.1	23
107	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4.3	22
106	. <i>IEEE Vehicular Technology Magazine</i> , <b>2018</b> , 13, 102-109	9.9	21
105	Deep Packet Inspection Based Application-Aware Traffic Control for Software Defined Networks <b>2016</b> ,		21
104	Toward mobility support for information-centric IoV in smart city using fog computing <b>2017</b> ,		20
103	Battery Status Sensing Software-Defined Multicast for V2G Regulation in Smart Grid. <i>IEEE Sensors Journal</i> , <b>2017</b> , 17, 7838-7848	4	20
102	Towards Fault-Tolerant Fine-Grained Data Access Control for Smart Grid. <i>Wireless Personal Communications</i> , <b>2014</b> , 75, 1787-1808	1.9	20
101	EdgeLaaS: Edge Learning as a Service for Knowledge-Centric Connected Healthcare. <i>IEEE Network</i> , <b>2019</b> , 33, 37-43	11.4	20
100	. <i>IEEE Consumer Electronics Magazine</i> , <b>2019</b> , 8, 61-65	3.2	19

99	Cross-Layer Optimization for Cooperative Content Distribution in Multihop Device-to-Device Networks. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 278-287	10.7	19
98	Fog-Enabled Vehicle as a Service for Computing Geographical Migration in Smart Cities. <i>IEEE Access</i> , <b>2019</b> , 7, 8726-8736	3.5	18
97	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 4443-4456	6.1	18
96	Information-Centric Massive IoT-Based Ubiquitous Connected VR/AR in 6G: A Proposed Caching Consensus Approach. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 5172-5184	10.7	18
95	Laboratory study of the clogging process and factors affecting clogging in a tailings dam. <i>Environmental Geology</i> , <b>2008</b> , 54, 1067-1074		17
94	Edge-to-Edge Cooperative Artificial Intelligence in Smart Cities with On-Demand Learning Offloading <b>2019</b> ,		17
93	Deep Reinforcement Learning based Smart Mitigation of DDoS Flooding in Software-Defined Networks <b>2018</b> ,		17
92	Edge-MapReduce-Based Intelligent Information-Centric IoV: Cognitive Route Planning. <i>IEEE Access</i> , <b>2019</b> , 7, 50549-50560	3.5	15
91	Preserving Edge Knowledge Sharing Among IoT Services: A Blockchain-Based Approach. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2020</b> , 4, 653-665	4.1	15
90	. <i>IEEE Access</i> , <b>2019</b> , 7, 45773-45782	3.5	14
89	A Security Assessment Mechanism for Software-Defined Networking-Based Mobile Networks. <i>Sensors</i> , <b>2015</b> , 15, 31843-58	3.8	14
88	Software-defined QoS provisioning for fog computing advanced wireless sensor networks <b>2016</b> ,		14
87	SLA-Aware Fine-Grained QoS Provisioning for Multi-Tenant Software-Defined Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 159-170	3.5	14
86	. <i>IEEE Access</i> , <b>2018</b> , 6, 52867-52876	3.5	14
85	. <i>IEEE Access</i> , <b>2017</b> , 5, 3250-3262	3.5	13
84	. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2020</b> , 7, 2126-2136	4.9	12
83	A multi-stage attack mitigation mechanism for software-defined home networks. <i>IEEE Transactions on Consumer Electronics</i> , <b>2016</b> , 62, 200-207	4.8	12
82	A Defense Mechanism for Distributed Denial of Service Attack in Software-Defined Networks <b>2015</b> ,		11

81	A Novel Error Correction Mechanism for Energy-Efficient Cyber-Physical Systems in Smart Building. <i>IEEE Access</i> , <b>2018</b> , 6, 39037-39045	3.5	11
80	Crowd Sensing-Enabling Security Service Recommendation for Social Fog Computing Systems. <i>Sensors</i> , <b>2017</b> , 17,	3.8	11
79	Field investigations and laboratory simulation of clogging in Lixi tailings dam of Jinduicheng, China. <i>Environmental Geology</i> , <b>2007</b> , 53, 387-397		10
78	Integrating NFV and ICN for Advanced Driver-Assistance Systems. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 5861-5873	10.7	10
77	Cognitive Balance for Fog Computing Resource in Internet of Things: An Edge Learning Approach. <i>IEEE Transactions on Mobile Computing</i> , <b>2020</b> , 1-1	4.6	10
76	An anonymous distributed key management system based on CL-PKC for space information network <b>2016</b> ,		10
75	SSDS: A Smart Software-Defined Security Mechanism for Vehicle-to-Grid Using Transfer Learning. <i>IEEE Access</i> , <b>2018</b> , 6, 63967-63975	3.5	10
74	A Differentially Private Big Data Nonparametric Bayesian Clustering Algorithm in Smart Grid. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2020</b> , 7, 2631-2641	4.9	9
73	Fog computing based content-aware taxonomy for caching optimization in information-centric networks <b>2017</b> ,		8
72	Blockchain-Based Trust Edge Knowledge Inference of Multi-Robot Systems for Collaborative Tasks. <i>IEEE Communications Magazine</i> , <b>2021</b> , 59, 94-100	9.1	8
71	Event-oriented dynamic security service for demand response in smart grid employing mobile networks. <i>China Communications</i> , <b>2015</b> , 12, 63-75	3	7
70	Deep Reinforcement Learning-based Cybertwin Architecture for 6G IIoT: An Integrated Design of Control, Communication, and Computing. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	7
69	. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2021</b> , 5, 1154-1164	4	7
68	Low-Complexity Error Correction for ISO/IEC/IEEE 21451-5 Sensor and Actuator Networks. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 2622-2630	4	6
67	SDN based dynamic and autonomous bandwidth allocation as ACSI services of IEC61850 communications in smart grid <b>2016</b> ,		6
66	An efficient encryption scheme with verifiable outsourced decryption in mobile cloud computing <b>2017</b> ,		6
65	SD-OPTS: Software-Defined On-Path Time Synchronization for Information-Centric Smart Grid <b>2017</b> ,		6
64	Toward Vulnerability Assessment for 5G Mobile Communication Networks <b>2015</b> ,		6

63	A Safety Resource Allocation Mechanism against Connection Fault for Vehicular Cloud Computing. <i>Mobile Information Systems</i> , <b>2016</b> , 2016, 1-13	1.4	6
62	A security mechanism for software-defined networking based communications in vehicle-to-grid <b>2016</b> ,		6
61	CDLB: a cross-domain load balancing mechanism for software defined networks in cloud data centre. <i>International Journal of Computational Science and Engineering</i> , <b>2019</b> , 18, 44	0.4	6
60	Leveraging Energy Function Virtualization With Game Theory for Fault-Tolerant Smart Grid. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 678-687	11.9	6
59	Joint Protection of Energy Security and Information Privacy for Energy Harvesting: An Incentive Federated Learning Approach. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	6
58	Energy-Efficient Fault-Tolerant Scheduling Algorithm for Real-Time Tasks in Cloud-Based 5G Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 53671-53683	3.5	6
57	ISRF: interest semantic reasoning based fog firewall for information-centric Internet of Vehicles. <i>IET Intelligent Transport Systems</i> , <b>2019</b> , 13, 975-982	2.4	5
56	Vehicle-to-Cloudlet: Game-Based Computation Demand Response for Mobile Edge Computing through Vehicles <b>2019</b> ,		5
55	A Fine-Grained Cross-Domain Access Control Mechanism for Social Internet of Things <b>2014</b> ,		5
54	Digital Twin Consensus for Blockchain-Enabled Intelligent Transportation Systems in Smart Cities. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-11	6.1	5
53	Toward Software Defined Dynamic Defense as a Service for 5G-Enabled Vehicular Networks <b>2019</b> ,		5
52	Sustainable Secure Management Against APT Attacks for Intelligent Embedded-Enabled Smart Manufacturing. <i>IEEE Transactions on Sustainable Computing</i> , <b>2020</b> , 5, 341-352	3.5	5
51	Efficient and Lightweight Data Streaming Authentication in Industrial Control and Automation Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 4279-4287	11.9	5
50	Sema-IloVT: Emergent Semantic-Based Trustworthy Information-Centric Fog System and Testbed for Intelligent Internet of Vehicles. <i>IEEE Consumer Electronics Magazine</i> , <b>2021</b> , 1-1	3.2	5
49	Differential Privacy and IRS Empowered Intelligent Energy Harvesting for 6G Internet of Things. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	5
48	Deep Neural Backdoor in Semi-Supervised Learning: Threats and Countermeasures. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2021</b> , 1-1	8	5
47	Edge Learning based Green Content Distribution for Information-Centric Internet of Things <b>2019</b> ,		4
46	CC-fog: Toward content-centric fog networks for E-health <b>2017</b> ,		4

45	Towards QoE named content-centric wireless multimedia sensor networks with mobile sinks <b>2017</b> ,		4
44	Context-Aware Traffic Forwarding Service for Applications in SDN <b>2015</b> ,		4
43	Chance Discovery Based Security Service Selection for Social P2P Based Sensor Networks <b>2015</b> ,		4
42	Improving Energy Efficiency in Industrial Wireless Sensor Networks Using SDN and NFV <b>2016</b> ,		4
41	Fog-based Secure Service Discovery for Internet of Multimedia Things. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2021</b> , 16, 1-23	3.4	4
40	Software-defined networking model for smart transformers with ISO/IEC/IEEE 21451 sensors. <i>ICT Express</i> , <b>2017</b> , 3, 67-71	4.9	3
39	Processing capability and QoE driven optimized computation offloading scheme in vehicular fog based F-RAN. <i>World Wide Web</i> , <b>2020</b> , 23, 2547-2565	2.9	3
38	A Reputation Value-Based Early Detection Mechanism Against the Consumer-Provider Collusive Attack in Information-Centric IoT. <i>IEEE Access</i> , <b>2020</b> , 8, 38262-38275	3.5	3
37	Energy-Efficient Location Privacy Preserving in Vehicular Networks Using Social Intimate Fogs. <i>IEEE Access</i> , <b>2018</b> , 6, 49801-49810	3.5	3
36	Consumer preferenceEnabled intelligent energy management for smart cities using game theoretic social tie. <i>International Journal of Distributed Sensor Networks</i> , <b>2018</b> , 14, 155014771877323	1.7	3
35	. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 15875-15884	4	3
34	Friend-as-Learner: Socially-Driven Trustworthy and Efficient Wireless Federated Edge Learning. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 1-1	4.6	3
33	Sema-ICN: Toward Semantic Information-Centric Networking Supporting Smart Anomalous Access Detection <b>2018</b> ,		3
32	Vehicle Mobility-Based Geographical Migration of Fog Resource for Satellite-Enabled Smart Cities <b>2018</b> ,		3
31	Binary Reed-Solomon Coding Based Distributed Storage Scheme in Information-Centric Fog Networks <b>2018</b> ,		3
30	Multi-Tentacle Federated Learning over Software-Defined Industrial Internet of Things Against Adaptive Poisoning Attacks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2022</b> , 1-1	11.9	3
29	Smart NCAP supporting Low-Rate DDoS Detection for IEEE 21451-1-5 Internet of Things <b>2019</b> ,		2
28	SPCSS: Social Network Based Privacy-Preserving Criminal Suspects Sensing. <i>IEEE Transactions on Computational Social Systems</i> , <b>2020</b> , 7, 261-274	4.5	2

27	A Novel Airbnb Matching Scheme in Shared Economy Using Confidence and Prediction Uncertainty Analysis. <i>IEEE Access</i> , <b>2018</b> , 6, 10320-10331	3.5	2
26	MapReduce Enabling Content Analysis Architecture for Information-Centric Networks Using CNN <b>2018</b> ,		2
25	Reduced memory decoding schemes for turbo decoding based on storing the index of the state metric. <i>IET Communications</i> , <b>2014</b> , 8, 2095-2105	1.3	2
24	Software-Defined Efficient Service Reconstruction in Fog Using Content Awareness and Weighted Graph <b>2017</b> ,		2
23	Stochastic Digital-Twin Service Demand with Edge Response: An Incentive-Based Congestion Control Approach. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 1-1	4.6	2
22	Toward Dynamic Computation Offloading for Data Processing in Vehicular Fog Based F-RAN <b>2019</b> ,		2
21	Shape-Unconstrained Privacy-Preserving Range Query for Fog Computing Supported Vehicular Networks Using Image <b>2019</b> ,		2
20	Novel architectures and security solutions of programmable software-defined networking: a comprehensive survey. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2018</b> , 19, 1500-1521	2.2	2
19	Toward Intelligent Detection Modelling for Adversarial Samples in Convolutional Neural Networks <b>2018</b> ,		2
18	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> , <b>2018</b> , 3, 142-149	2.5	2
17	Emergent LBS: If GNSS Fails, How Can 5G-enabled Vehicles Get Locations Using Fogs? <b>2019</b> ,		1
16	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> , <b>2013</b> , 9, 138384	1.7	1
15	Progressive Slice Recovery With Guaranteed Slice Connectivity After Massive Failures. <i>IEEE/ACM Transactions on Networking</i> , <b>2021</b> , 1-14	3.8	1
14	SCEH: Smart Customized E-Health Framework for Countryside Using Edge AI and Body Sensor Networks <b>2019</b> ,		1
13	Information-Centric Wireless Sensor Networking Scheme with Water-Depth-Awareness Content Caching for Underwater IoT. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	1
12	Ant Colony Cleaning Behavior Algorithm Based Multicast for SDN in Smart Grid <b>2018</b> ,		1
11	Privacy Preserved Cyber-Physical Searching for Information-Centric Intelligent Agriculture. <i>IEEE Open Journal of the Computer Society</i> , <b>2021</b> , 1-1	3.6	1
10	IEEE Access Special Section Editorial: Blockchain Technology: Principles and Applications. <i>IEEE Access</i> , <b>2021</b> , 9, 110006-110010	3.5	1

9	Artificial Intelligence-Based Energy Efficient Communication System for Intelligent Reflecting Surface-Driven VANETs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-13	6.1	1
8	Side-Channel Fuzzy Analysis based AI-Model Extraction Attack with Information Theoretic Perspective in Intelligent IoT. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2022</b> , 1-1	8.3	1
7	Frequency Resource Sharing and Allocation Scheme Based on Coalition Formation Game in Hybrid D2D-Cellular Network. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-10	1.2	0
6	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> , <b>2021</b> , 1-1	3.9	0
5	Security and Intelligent Management for Fog/Edge Computing Resources. <i>Advances in Information Security</i> , <b>2021</b> , 213-234	0.7	0
4	Novel Lifetime Extension Technology for Cyber-Physical Systems Using SDN and NFV <b>2018</b> , 287-304		
3	Analysis and Extension of Safety Mechanisms for Standardized Control Networks in Smart Grid. <i>International Journal of Distributed Sensor Networks</i> , <b>2014</b> , 10, 941967	1.7	
2	GradMFL: Gradient Memory-Based Federated Learning for Hierarchical Knowledge Transferring Over Non-IID Data. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 612-626	0.9	
1	SCA-LFD: Side-Channel Analysis based Load Forecasting Disturbance in the Energy Internet. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	