

# Yang Yang

## List of Publications by Year in descending order

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97  
papers

5,260  
citations

236925

25  
h-index

168389

53  
g-index

102  
all docs

102  
docs citations

102  
times ranked

4451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular architecture and key technologies for 5G wireless communication networks. , 2014, 52, 122-130.		1,743
2	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	4.3	858
3	Relay technologies for WiMax and LTE-advanced mobile systems. , 2009, 47, 100-105.		505
4	MEETS: Maximal Energy Efficient Task Scheduling in Homogeneous Fog Networks. IEEE Internet of Things Journal, 2018, 5, 4076-4087.	8.7	144
5	DEBTS: Delay Energy Balanced Task Scheduling in Homogeneous Fog Networks. IEEE Internet of Things Journal, 2018, 5, 2094-2106.	8.7	130
6	Multi-tier computing networks for intelligent IoT. Nature Electronics, 2019, 2, 4-5.	26.0	128
7	FEMTO: Fair and Energy-Minimized Task Offloading for Fog-Enabled IoT Networks. IEEE Internet of Things Journal, 2019, 6, 4388-4400.	8.7	114
8	Performance Analysis of Selective Opportunistic Spectrum Access With Traffic Prediction. IEEE Transactions on Vehicular Technology, 2010, 59, 1949-1959.	6.3	110
9	Generative-Adversarial-Network-Based Wireless Channel Modeling: Challenges and Opportunities. IEEE Communications Magazine, 2019, 57, 22-27.	6.1	84
10	Fog as a Service Technology. IEEE Communications Magazine, 2018, 56, 95-101.	6.1	80
11	DATS: Dispersive Stable Task Scheduling in Heterogeneous Fog Networks. IEEE Internet of Things Journal, 2019, 6, 3423-3436.	8.7	78
12	PORA: Predictive Offloading and Resource Allocation in Dynamic Fog Computing Systems. IEEE Internet of Things Journal, 2020, 7, 72-87.	8.7	76
13	A Big Data Enabled Channel Model for 5G Wireless Communication Systems. IEEE Transactions on Big Data, 2020, 6, 211-222.	6.1	73
14	A WINNER+ Based 3-D Non-Stationary Wideband MIMO Channel Model. IEEE Transactions on Wireless Communications, 2018, 17, 1755-1767.	9.2	66
15	POMT: Paired Offloading of Multiple Tasks in Heterogeneous Fog Networks. IEEE Internet of Things Journal, 2019, 6, 8658-8669.	8.7	63
16	FEMOS: Fog-Enabled Multitier Operations Scheduling in Dynamic Wireless Networks. IEEE Internet of Things Journal, 2018, 5, 1169-1183.	8.7	61
17	Online Task Scheduling and Resource Allocation for Intelligent NOMA-Based Industrial Internet of Things. IEEE Journal on Selected Areas in Communications, 2020, 38, 803-815.	14.0	57
18	POST: Parallel Offloading of Splittable Tasks in Heterogeneous Fog Networks. IEEE Internet of Things Journal, 2020, 7, 3170-3183.	8.7	56

#	ARTICLE	IF	CITATIONS
19	DECCO: Deep-Learning Enabled Coverage and Capacity Optimization for Massive MIMO Systems. IEEE Access, 2018, 6, 23361-23371.	4.2	48
20	Learning-Based Task Offloading for Delay-Sensitive Applications in Dynamic Fog Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 11399-11403.	6.3	46
21	BLOT: Bandit Learning-Based Offloading of Tasks in Fog-Enabled Networks. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2636-2649.	5.6	41
22	5G Wireless Systems. Wireless Networks, 2018, , .	0.5	40
23	3D Non-Stationary Wideband Tunnel Channel Models for 5G High-Speed Train Wireless Communications. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 259-272.	8.0	36
24	DOTS: Delay-Optimal Task Scheduling Among Voluntary Nodes in Fog Networks. IEEE Internet of Things Journal, 2019, 6, 3533-3544.	8.7	35
25	Joint Task Offloading and Caching for Massive MIMO-Aided Multi-Tier Computing Networks. IEEE Transactions on Communications, 2022, 70, 1820-1833.	7.8	32
26	Challenges of Mobile Social Device Caching. IEEE Access, 2016, 4, 8938-8947.	4.2	28
27	JOTE: Joint Offloading of Tasks and Energy in Fog-Enabled IoT Networks. IEEE Internet of Things Journal, 2020, 7, 3067-3082.	8.7	27
28	Fair Downlink Traffic Management for Hybrid LAA-LTE/Wi-Fi Networks. IEEE Access, 2017, 5, 7031-7041.	4.2	23
29	Delay Performance of Network-Coding-Based Epidemic Routing. IEEE Transactions on Vehicular Technology, 2016, 65, 3676-3684.	6.3	21
30	FORESEEN: Towards Differentially Private Deep Inference for Intelligent Internet of Things. IEEE Journal on Selected Areas in Communications, 2020, 38, 2418-2429.	14.0	20
31	Flexible uplink MU-MIMO scheduling in unlicensed spectrum. China Communications, 2017, 14, 59-71.	3.2	18
32	Time Reusing in D2D-Enabled Cooperative Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3185-3200.	9.2	17
33	Link Quality Estimation in Industrial Temporal Fading Channel With Augmented Kalman Filter. IEEE Transactions on Industrial Informatics, 2019, 15, 1936-1946.	11.3	17
34	Delay Minimized Task Scheduling in Fog-Enabled IoT Networks. , 2018, , .		14
35	Fog-Enabled Intelligent IoT Systems. , 2020, , .		13
36	Content-Centric Heterogeneous Fog Networks Relying on Energy Efficiency Optimization. IEEE Transactions on Vehicular Technology, 2020, 69, 13579-13592.	6.3	13

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37	Joint User Activity Identification and Channel Estimation for Grant-Free NOMA: A Spatial-Temporal Structure-Enhanced Approach. IEEE Internet of Things Journal, 2021, 8, 12339-12349.	8.7	13
38	PORA: Predictive Offloading and Resource Allocation in Dynamic Fog Computing Systems. , 2019, , .		12
39	Online User-AP Association with Predictive Scheduling in Wireless Caching Networks. , 2017, , .		11
40	Parallel Channel Sounder for MIMO Channel Measurements. IEEE Wireless Communications, 2018, 25, 16-22.	9.0	11
41	Delay-Optimal Task Offloading for Dynamic Fog Networks. , 2019, , .		11
42	Service Chain Composition With Resource Failures in NFV Systems: A Game-Theoretic Perspective. IEEE Transactions on Network and Service Management, 2021, 18, 224-239.	4.9	11
43	Task Offloading in Hybrid Intelligent Reflecting Surface and Massive MIMO Relay Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3648-3663.	9.2	11
44	History-Aware Online Cache Placement in Fog-Assisted IoT Systems: An Integration of Learning and Control. IEEE Internet of Things Journal, 2021, 8, 14683-14704.	8.7	10
45	Wireless Single Cellular Coverage Boundary Models. IEEE Access, 2016, 4, 3569-3577.	4.2	9
46	Online user association and computation offloading for Fog-enabled D2D network. , 2017, , .		9
47	Adaptive Queuing Censoring for Big Data Processing. IEEE Signal Processing Letters, 2018, 25, 610-614.	3.6	9
48	Maximal energy efficient task scheduling for homogeneous fog networks. , 2018, , .		9
49	PAMT: Phase-based Acoustic Motion Tracking in Multipath Fading Environments. , 2019, , .		9
50	RAMTEL: Robust Acoustic Motion Tracking Using Extreme Learning Machine for Smart Cities. IEEE Internet of Things Journal, 2019, 6, 7555-7569.	8.7	9
51	Online VNF Chaining and Predictive Scheduling: Optimality and Trade-Offs. IEEE/ACM Transactions on Networking, 2021, 29, 1867-1880.	3.8	9
52	Task Partitioning and Orchestration on Heterogeneous Edge Platforms: The Case of Vision Applications. IEEE Internet of Things Journal, 2022, 9, 7418-7432.	8.7	9
53	LOCASS: Local Optimal Caching Algorithm With Social Selfishness for Mixed Cooperative and Selfish Devices. IEEE Access, 2018, 6, 30060-30072.	4.2	8
54	Proactive Cache Placement with Bandit Learning in Fog-Assisted IoT Systems. , 2020, , .		8

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55	Denoising-Based Turbo Message Passing for Compressed Video Background Subtraction. IEEE Transactions on Image Processing, 2021, 30, 2682-2696.	9.8	8
56	DRESIA: Deep Reinforcement Learning-Enabled Gray Box Approach for Large-Scale Dynamic Cyber-Twin System Simulation. IEEE Open Journal of the Computer Society, 2021, 2, 321-333.	7.8	8
57	Statistical Analysis of Path Losses for Sectorized Wireless Networks. IEEE Transactions on Communications, 2017, 65, 1828-1838.	7.8	7
58	Neural Task Scheduling with Reinforcement Learning for Fog Computing Systems. , 2019, , .		7
59	A Survey of Energy Consumption Measurement in Embedded Systems. IEEE Access, 2021, 9, 60516-60530.	4.2	7
60	Fog Computing Architecture and Technologies. , 2020, , 39-60.		7
61	Kubeedge Wireless for Integrated Communication and Computing Services Everywhere. IEEE Wireless Communications, 2022, 29, 140-145.	9.0	7
62	Turbo-Type Message Passing Algorithms for Compressed Robust Principal Component Analysis. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1182-1196.	10.8	6
63	Service Chain Composition with Failures in NFV Systems: A Game-Theoretic Perspective. , 2019, , .		6
64	Task Offloading in NOMA-Based Fog Computing Networks: A Deep Q-Learning Approach. , 2019, , .		6
65	Online VNF Chaining and Scheduling with Prediction: Optimality and Trade-Offs. , 2019, , .		6
66	Nondata-Aided Rician Parameters Estimation With Redundant GMM for Adaptive Modulation in Industrial Fading Channel. IEEE Transactions on Industrial Informatics, 2022, 18, 2603-2613.	11.3	6
67	An Efficient Binary Convolutional Neural Network With Numerous Skip Connections for Fog Computing. IEEE Internet of Things Journal, 2021, 8, 11357-11367.	8.7	6
68	OPTIMAL TASK OFFLOADING IN FOG-ENABLED NETWORKS VIA INDEX POLICIES. , 2018, , .		5
69	Toward Efficient Compressed-Sensing-Based RFID Identification: A Sparsity-Controlled Approach. IEEE Internet of Things Journal, 2020, 7, 7714-7724.	8.7	5
70	A First Look at Energy Consumption of NB-IoT in the Wild: Tools and Large-Scale Measurement. IEEE/ACM Transactions on Networking, 2021, 29, 2616-2631.	3.8	5
71	Parallel Scheduling of Multiple Tasks in Heterogeneous Fog Networks. , 2019, , .		4
72	Multi-Interface Channel Allocation in Fog Computing Systems using Thompson Sampling. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
73	Energy-Efficient Buffer-Aided Relaying Systems With Opportunistic Spectrum Access. IEEE Transactions on Green Communications and Networking, 2020, 4, 731-744.	5.5	4
74	An Integration of Online Learning and Online Control for Green Offloading in Fog-Assisted IoT Systems. IEEE Transactions on Green Communications and Networking, 2021, 5, 1632-1646.	5.5	4
75	Temporal Correlation Enhanced Sparse Activity Detection in MIMO Enabled Grant-Free NOMA. IEEE Transactions on Vehicular Technology, 2022, 71, 2887-2899.	6.3	4
76	Deep Reinforcement Learning for Resource Allocation in Massive MIMO. , 2021, , .		4
77	Energy-efficient scheduling for buffer-aided relaying with opportunistic spectral access (invited) Tj ETQq1 1 0.784314 rgBT /Q <sub>3</sub> overlock 10		3
78	Dynamic Tuple Scheduling with Prediction for Data Stream Processing Systems. , 2019, , .		3
79	Joint Switch-Controller Association and Control Devolution for SDN Systems: An Integration of Online Control and Online Learning. , 2020, , .		3
80	Distributed Task Scheduling in Heterogeneous Fog Networks: A Matching with Externalities Method. , 2020, , .		3
81	POTUS: Predictive Online Tuple Scheduling for Data Stream Processing Systems. IEEE Transactions on Cloud Computing, 2022, 10, 2863-2875.	4.4	3
82	Joint Switch-Controller Association and Control Devolution for SDN Systems: An Integrated Online Perspective of Control and Learning. IEEE Transactions on Network and Service Management, 2021, 18, 315-330.	4.9	3
83	Retrospective Thinking based Multi-Agent System for Wireless Video Transmissions. , 2021, , .		3
84	A Low-Cost and Efficient Single Probe Based MIMO OTA Measurement Method. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	3
85	OCDST: Offloading Chained DNNs for Streaming Tasks. , 2021, , .		3
86	Green Offloading in Fog-Assisted IoT Systems: An Online Perspective Integrating Learning and Control. , 2020, , .		2
87	Energy-Aware Joint Clustering and Scheduling for Multicast Beamforming in Cloud-RAN Downlink. IEEE Wireless Communications Letters, 2020, 9, 461-464.	5.0	2
88	Energy-Efficient Multi-Tier Caching and Node Association in Heterogeneous Fog Networks. , 2020, , .		2
89	Adaptive Multi-objective Reinforcement Learning for Pareto Frontier Approximation: A Case Study of Resource Allocation Network in Massive MIMO. , 2021, , .		2
90	Special Issue on Wireless Big Data. IEEE Transactions on Big Data, 2020, 6, 209-210.	6.1	1

#	ARTICLE	IF	CITATIONS
91	Multi-Interface Channel Allocation in Fog Computing Systems Using Thompson Sampling. IEEE Internet of Things Journal, 2021, 8, 13542-13554.	8.7	1
92	MAFENN: Multi-Agent Feedback Enabled Neural Network for Wireless Channel Equalization. , 2021, , .		1
93	Multi-Tier Task Offloading with Intelligent Reflecting Surface and Massive MIMO Relay. , 2021, , .		1
94	Analytical Framework for Multi-Task Multi-Helper Fog Networks. , 2020, , 61-98.		0
95	Fog-Enabled Wireless Communication Networks. , 2020, , 133-161.		0
96	Online User-AP Association with Predictive Scheduling in Wireless Caching Networks. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	0
97	SFDIC: Spatial Features Distributed Interference Coordination for Massive MIMO Systems. , 2021, , .		0