Wen-Tsuen Chen

List of Publications by Year
in descending order

127 papers	1,481 citations	706676 14 h-index	651938 25 g-index
127 all docs	127 docs citations	127 times ranked	1496 citing authors

#	Article	IF	Citations
1	Dual Pricing Optimization for Live Video Streaming in Mobile Edge Computing With Joint User Association and Resource Management. IEEE Transactions on Mobile Computing, 2023, 22, 858-873.	3.9	7
2	Constructions and Comparisons of Pooling Matrices for Pooled Testing of COVID-19. IEEE Transactions on Network Science and Engineering, 2022, 9, 467-480.	4.1	7
3	Scalable Rate Allocation for SDN With Diverse Service Requirements. IEEE Transactions on Services Computing, 2022, 15, 2248-2260.	3.2	2
4	Pricing-Based Deep Reinforcement Learning for Live Video Streaming With Joint User Association and Resource Management in Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2022, 21, 4310-4324.	6.1	3
5	Collaboration Between Social Internet of Things and Mobile Users for Accuracy-Aware Detection. , 2021, , .		2
6	Positively Correlated Samples Save Pooled Testing Costs. IEEE Transactions on Network Science and Engineering, 2021, 8, 2170-2182.	4.1	15
7	ReHand: Secure Region-Based Fast Handover With User Anonymity for Small Cell Networks in Mobile Communications. IEEE Transactions on Information Forensics and Security, 2020, 15, 927-942.	4.5	18
8	Multicast Traffic Engineering with Segment Trees in Software-Defined Networks. , 2020, , .		5
9	Deep Reinforcement Learning for MEC Streaming with Joint User Association and Resource Management. , 2020, , .		12
10	Collaborative Social Internet of Things in Mobile Edge Networks. IEEE Internet of Things Journal, 2020, 7, 11473-11491.	5.5	19
11	Cooperative Convolutional Neural Network Deployment over Mobile Networks. , 2020, , .		8
12	Pair Auction and Matching for Resource Allocation in Full-Duplex Cellular Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 4325-4339.	3.9	3
13	Live Video Streaming with Joint User Association and Caching Placement in Mobile Edge Computing. , 2020, , .		11
14	Trajectory Learning, Clustering, and User Association for Dynamically Connectable UAV Base Stations. IEEE Transactions on Green Communications and Networking, 2020, 4, 1091-1105.	3.5	14
15	Multiobjective Beamforming Power Control for Robust SINR Target Tracking and Power Efficiency in Multicell MU-MIMO Wireless System. IEEE Transactions on Vehicular Technology, 2020, 69, 6200-6214.	3.9	10
16	Traffic-Aware Sensor Grouping for IEEE 802.11ah Networks: Regression Based Analysis and Design. IEEE Transactions on Mobile Computing, 2019, 18, 674-687.	3.9	41
17	Seed Selection and Social Coupon Allocation for Redemption Maximization in Online Social Networks. , 2019, , .		4
18	Dynamic Multicast Traffic Engineering with Efficient Rerouting for Software-Defined Networks. , 2019, , .		10

#	Article	IF	Citations
19	Dynamic Transmission Policy for Multi-Pair Cooperative Device-to-Device Communication With Block-Diagonalization Precoding. IEEE Transactions on Wireless Communications, 2019, 18, 3034-3048.	6.1	9
20	Ultra-Low-Latency Distributed Deep Neural Network over Hierarchical Mobile Networks. , 2019, , .		1
21	FDoF: Enhancing Channel Utilization for 802.11ac. IEEE/ACM Transactions on Networking, 2018, 26, 465-477.	2.6	13
22	FTP-NDN: File Transfer Protocol Based on Re-Encryption for Named Data Network Supporting Nondesignated Receivers. IEEE Systems Journal, 2018, 12, 473-484.	2.9	19
23	Live Video Multicast for Dynamic Users via Segment Routing in 5G Networks. , 2018, , .		6
24	Efficient Multi-View 3D Video Multicast with Mobile Edge Computing. , 2018, , .		5
25	Dynamically Connectable UAV Base Stations with Cooperative Energy Sharing. , 2018, , .		2
26	Robust Minimax MSE Transceiver and Power Splitting Design for Multiuser MIMO SWIPT: An LMI Approach. , 2018, , .		0
27	Online Multicast Traffic Engineering for Software-Defined Networks. , 2018, , .		19
28	Surveillance-Aware Uplink Scheduling for Cellular Networks. IEEE Transactions on Mobile Computing, 2018, 17, 2939-2952.	3.9	7
29	Breaking Bandwidth Limitation for Mission-Critical IoT Using Semisequential Multiple Relays. IEEE Internet of Things Journal, 2018, 5, 3316-3329.	5.5	9
30	Green Software-Defined Internet of Things for Big Data Processing in Mobile Edge Networks. , 2018, , .		6
31	LAMP: Load adaptive MAC protocol for inter-BAN interference mitigation. , 2018, , .		2
32	Provably Secure Timed-Release Proxy Conditional Reencryption. IEEE Systems Journal, 2017, 11, 2291-2302.	2.9	9
33	Channel-Aware Polling-Based MAC Protocol for Body Area Networks: Design and Analysis. IEEE Sensors Journal, 2017, 17, 2936-2948.	2.4	29
34	Modeling and Analysis of Channel Holding Time and Handoff Rate for Packet Sessions in All-IP Cellular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 3331-3344.	3.9	3
35	Service Overlay Forest Embedding for Software-Defined Cloud Networks. , 2017, , .		13
36	Minimizing upload latency for critical tasks in cellular-based IoT networks using multiple relays. , 2017, , .		4

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37	A cost-effective shuffling-based defense against HTTP DDoS attacks with SDN/NFV. , 2017, , .		11
38	MMSE Hybrid Beamforming for Weighted Sum Rate Maximization in NOMA Systems. , 2017, , .		1
39	Coordinated beamforming and power allocation for multicell NOMA systems. , 2017, , .		2
40	acPad: Enhancing channel utilization for 802.11ac using packet padding. , 2017, , .		11
41	Service chain embedding with maximum flow in software defined network and application to the next-generation cellular network architecture. , 2017, , .		43
42	pSafety: A Collision Prevention System for Pedestrians Using Smartphone. , 2016, , .		14
43	Cross-Layer Design of Influence Maximization in Mobile Social Networks. , 2016, , .		3
44	A Batteryless Beacon Based on Dual ISM-Band RF Harvesting with Solar-Biasing Current. , 2016, , .		5
45	Privacy-preserving deep packet filtering over encrypted traffic in software-defined networks. , 2016, , .		5
46	User pair selection for distributed-input distributed-output wireless systems. , 2016, , .		0
47	Resource Block Allocation with Carrier-Aggregation: A Strategy-Proof Auction Design. IEEE Transactions on Mobile Computing, 2016, 15, 3142-3155.	3.9	13
48	Scheduling for Multi-Camera Surveillance in LTE Networks. , 2015, , .		0
49	Load-Balanced Sensor Grouping for IEEE 802.11ah Networks. , 2015, , .		27
50	Privacy-Preserving Dense Subgraph Discovery in Mobile Social Networks. , 2015, , .		2
51	A Long-Range Directional Wake-Up Radio for Wireless Mobile Networks. Journal of Sensor and Actuator Networks, 2015, 4, 189-207.	2.3	3
52	Client-AP association for multiuser MIMO networks. , 2015, , .		5
53	SafeMatch: Energy-efficient private matching in mobile social networks. , 2015, , .		0
54	Reliable multicast routing for software-defined networks. , 2015, , .		53

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55	Traffic offloading with rate-based cell range expansion offsets in heterogeneous networks. , 2014, , .		17
56	Design of a Sensing Service Architecture for Internet of Things with Semantic Sensor Selection. , 2014, , .		10
57	Transmission latency and reliability trade-off in path-time coded cognitive radio ad hoc networks. , 2014, , .		4
58	Channel holding time of packet sessions in all-IP cellular networks. , 2014, , .		0
59	Rate Adaptation for Highly Dynamic Body Area Networks. , 2014, , .		1
60	Empirical validation of energy-neutral operation on wearable devices by MISO beamforming of IEEE 802.11ac. , 2014, , .		1
61	Distributed address assignment with address borrowing for ZigBee networks. , 2014, , .		1
62	2L-MAC: A MAC protocol with two-layer interference mitigation in wireless body area networks for medical applications. , 2014, , .		35
63	An Efficient Downlink Radio Resource Allocation with Carrier Aggregation in LTE-Advanced Networks. IEEE Transactions on Mobile Computing, 2014, 13, 2229-2239.	3.9	79
64	Load-Balanced Sensor Grouping for IEEE 802.11ah Networks. , 2014, , .		3
65	Privacy-Preserving Dense Subgraph Discovery in Mobile Social Networks. , 2014, , .		0
66	Scheduling for Multi-Camera Surveillance in LTE Networks. , 2014, , .		0
67	Anonymous Multi-receiver Certificate-Based Encryption. , 2013, , .		9
68	An Efficient Automatic Repeat Request Mechanism for Wireless Multihop Relay Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 2830-2839.	3.9	3
69	Strengthening Modern Electronics Industry Through the National Program for Intelligent Electronics in Taiwan. IEEE Access, 2013, 1, 123-130.	2.6	3
70	Downlink multiuser beamforming and power control for base stations empowered by renewable energy. , 2013, , .		3
71	A Novel Emergency Vehicle Dispatching System. , 2013, , .		19
72	An Adaptive Guiding Protocol for Crowd Evacuation Based on Wireless Sensor Networks. , 2013, , .		8

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73	Sum-rate maximization and energy-cost minimization for renewable energy empowered base-stations using zero-forcing beamforming. , 2013, , .		4
74	An IEEE 802.11p Based Distributed Channel Assignment Scheme Considering Emergency Message Dissemination. , 2012, , .		7
75	k-Angle Object Coverage Problem in a Wireless Sensor Network. IEEE Sensors Journal, 2012, 12, 3408-3416.	2.4	30
76	A Distributed Flow-Based Guiding Protocol in Wireless Sensor Networks. , 2011, , .		17
77	A Fuel-Saving and Pollution-Reducing Dynamic Taxi-Sharing Protocol in VANETs. , 2010, , .		34
78	Fuel-Saving Navigation System in VANETs. , 2010, , .		15
79	A Simple and Efficient Data Forwarding Mechanism In Wireless Relay Networks. , 2009, , .		0
80	Providing group tour guide by RFIDs and wireless sensor networks. IEEE Transactions on Wireless Communications, 2009, 8, 3059-3067.	6.1	28
81	SIP Multicast-Based Mobile Quality-of-Service Support over Heterogeneous IP Multimedia Subsystems. IEEE Transactions on Mobile Computing, 2008, 7, 1297-1310.	3.9	21
82	A Distributed Area-Based Guiding Navigation Protocol for Wireless Sensor Networks. , 2008, , .		15
83	A Load-Balanced Guiding Navigation Protocol in Wireless Sensor Networks. , 2008, , .		21
84	Dynamic Packet Selection for H.264 Video Streaming over IEEE 802.11e WLANs. , 2008, , .		11
85	Design of a Context-Aware Mobile Guiding Application. , 2008, , .		1
86	TAMMAC: An Adaptive Multi-Channel MAC Protocol for MANETs. IEEE Transactions on Wireless Communications, 2008, 7, 4541-4545.	6.1	34
87	An Efficient Flow Control and Medium Access in Multihop Ad Hoc Networks with Multi-Channels. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	1
88	An Interested-based Architecture for Peer-to-Peer Network Systems. , 2006, , .		7
89	An Adaptive Multi-channel MAC protocol for Wireless Ad Hoc Networks. , 2006, , .		12
90	An efficient scheduling mechanism for IEEE 802.11e MAC enhancements. , 2004, , .		6

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91	Architecture for Mobility and QoS Support in All-IP Wireless Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 691-705.	9.7	112
92	An efficient multipolling mechanism for IEEE 802.11 wireless LANs. IEEE Transactions on Computers, 2003, 52, 764-778.	2.4	68
93	An adaptive MAC protocol for wireless ad hoc networks using smart antenna system. , 2003, , .		10
94	Group mobility management in wireless ad hoc networks. , 2003, , .		15
95	EFFICIENT RESOURCE RESERVATION USING A PRICING MODEL IN WIRELESS NETWORKS. , 2002, , .		0
96	AN EFFICIENT CHANNELIZATION CODE ASSIGNMENT APPROACH FOR W-CDMA. , 2002, , .		3
97	An efficient cell-scheduling algorithm for multicast ATM switching systems. IEEE/ACM Transactions on Networking, 2000, 8, 517-525.	2.6	22
98	A high-performance priority scheme for ATM switching systems. Journal of High Speed Networks, 1997, 6, 1-14.	0.6	0
99	A scheme for QoS control in ATM switching systems. Journal of High Speed Networks, 1997, 6, 221-236.	0.6	1
100	A new self-routing permutation network. IEEE Transactions on Computers, 1996, 45, 630-636.	2.4	14
101	Fault-Tolerant Single-Stage Interconnectiohl Networks. IEEE Transactions on Computers, 1987, C-36, 637-640.	2.4	3
102	A fault-tolerant shuffleout ATM switch. , 0, , .		0
103	Dynamic validation of programs using assertion checking facilities. , 0, , .		3
104	Efficient fault-tolerant routing algorithms for forward loop backward hop networks. , 0, , .		1
105	A policing algorithm for MPEG streams on ATM networks. , 0, , .		0
106	A high performance cell scheduling algorithm in broadband multicast switching systems. , 0, , .		0
107	A high-performance ATM switch with completely and fairly shared buffers. , 0, , .		0
108	QoS control by simple modified FIFO in ATM networks. , 0, , .		0

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109	Traffic management for wireless ATM networks. , 0, , .		4
110	A cell scheduler for non-real-time traffic with service fairness in ATM networks. , 0, , .		0
111	A QoS-guaranteed and delay-minimized cell multiplexing method in ATM networks. , 0, , .		1
112	Some mechanisms to improve TCP/IP performance over wireless and mobile computing environment. , 0, , .		9
113	RSVP mobility support: a signaling protocol for integrated services Internet with mobile hosts. , 0, , .		53
114	A novel code assignment scheme for W-CDMA systems. , 0, , .		51
115	A bandwidth reservation protocol for hard QoS guaranteed differentiated services. , 0, , .		0
116	Multiple traffic scheduling for enhanced General Packet Radio Service. , 0, , .		1
117	An efficient QoS guaranteed MAC protocol in wireless ATM networks. , 0, , .		0
118	Enhancing CRTP by retransmission for wireless networks. , 0, , .		3
119	An adaptive retransmission scheme with QoS support for the IEEE 802.11 MAC enhancement. , 0, , .		10
120	Flexible packet scheduling for quality of service provisioning in wireless networks. , 0, , .		2
121	Greetings from the general chair. , 0, , .		0
122	Decentralized Energy-Conserving and Coverage-Preserving Protocols for Wireless Sensor Networks. , 0, , .		3
123	Logical Key Tree Based Secure Multicast Protocol with Copyright Protection. , 0, , .		1
124	Active application oriented vertical handoff in next-generation wireless networks. , 0, , .		81
125	An overview of the project for next generation information communication networks. , 0, , .		0
126	MR-FQ: a fair scheduling algorithm for wireless networks with variable transmission rates. , 0, , .		0

#	Article	IF	Citations
127	An MAC Protocol for Wireless Ad-hoc Networks Using Smart Antennas. , 0, , .		5