

# Yaw-Chung Chen

## List of Publications by Year in descending order

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42  
papers

170  
citations

1478505

6  
h-index

1372567

10  
g-index

42  
all docs

42  
docs citations

42  
times ranked

179  
citing authors

#	ARTICLE	IF	CITATIONS
1	UMUcast: A Framework for Massive Small-Data Delivering in Industrial Internet of Things. IEEE Journal on Selected Areas in Communications, 2021, 39, 1160-1176.	14.0	5
2	Sensing coverage hole identification and coverage hole healing methods for wireless sensor networks. Wireless Networks, 2020, 26, 2223-2239.	3.0	24
3	Energy efficient broadcast protocols for asynchronous duty-cycled wireless sensor networks. Wireless Networks, 2020, 26, 1373-1388.	3.0	0
4	RPL Enhancement for a Parent Selection Mechanism and an Efficient Objective Function. IEEE Sensors Journal, 2019, 19, 10054-10066.	4.7	21
5	Proximity-based D2D Mode Selection Scheme for LTE Networks. , 2019, , .		0
6	A Survey on All-Optical IP Convergence Optical Transport Networks. , 2019, , .		2
7	ZeroCalo. , 2019, , .		3
8	Design and Development of Revolved 5G Core Networks Based on Lower-Layer Software-Defined and Upper-Layer Virtualized Approaches. , 2018, , .		0
9	Topology-Aware Optimal Subgrouping and Subscheduling for Generalized Explicit Multicasting on Internet. IEEE Systems Journal, 2017, 11, 2325-2336.	4.6	2
10	Length-Bounded Hybrid CPU/GPU Pattern Matching Algorithm for Deep Packet Inspection. Algorithms, 2017, 10, 16.	2.1	10
11	A cut-through scheduling for delay optimization in TD-LTE relay enhanced networks. , 2017, , .		0
12	Length-bounded Hybrid CPU/GPU Pattern Matching Algorithm for Deep Packet Inspection. , 2016, , .		2
13	A study of QoS feedback schemes on WiFi multicast for media streaming services. , 2016, , .		1
14	Improving quality of experience in P2P IPTV. , 2016, , .		8
15	Scalable Explicit Multicasting on Internet: A Topological-Aware Approach. , 2015, , .		0
16	A scalable source multipath routing architecture for datacenter networks. , 2015, , .		1
17	A Virtual Cluster Head Election Scheme for Energy-Efficient Routing in Wireless Sensor Networks. , 2015, , .		5
18	NAT-Aware Peer Grouping and Chunk Scheduling for Mesh-Pull P2P Live Streaming Systems. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
19	A Hybrid CPU/GPU Pattern-Matching Algorithm for Deep Packet Inspection. PLoS ONE, 2015, 10, e0139301.	2.5	16
20	Impact of Vehicular Networks on Emergency Medical Services in Urban Areas. International Journal of Environmental Research and Public Health, 2014, 11, 11348-11370.	2.6	13
21	ALEX: An arithmetic-based unified unicast and multicast routing for MANETs. , 2014, , .		4
22	An XMPP-Based XML Representation Middleware to Build Universal Service-Oriented Gateway in M2M Environment. , 2014, , .		2
23	PSFCS: Robust Emergency Communications Supporting High Mobility Based on WiMAX MMR Networks. International Journal of Distributed Sensor Networks, 2014, 10, 254753.	2.2	0
24	A conflict-insensitive NATed roaming framework using NAToD for proxy mobile IPv4 in WLANs. Telecommunication Systems, 2013, 53, 315-328.	2.5	0
25	PSFCS: Robust Emergency Communications Supporting High-Mobility Based on WiMAX MMR Networks. , 2013, , .		0
26	A hardware-based preemptive dynamic bandwidth allocation mechanism for real-time applications in EPONs. , 2012, , .		0
27	An Efficient IPTV Distribution Technique under NAT Environment. , 2012, , .		1
28	A Pre-authentication Scheme on WiMAX for QoS Improvement of Mobile Services. , 2011, , .		0
29	A Burst-Aware Scheduling Scheme Supporting Quality of Service in WiMAX Networks. , 2011, , .		0
30	An Efficient Source Allocation Approach for QoS Support in P2PTV Systems. , 2010, , .		0
31	Resource Efficient Opportunistic Multicast Scheduling for IPTV over Mobile WiMAX. , 2010, , .		7
32	Reducing Feedback Load of Opportunistic Multicast Scheduling over Wireless Systems. IEEE Communications Letters, 2010, 14, 1179-1181.	4.1	9
33	An Adaptive Bandwidth Request Scheme for QoS Support in WiMAX Polling Services. , 2008, , .		7
34	Parallel Table Lookup for Next Generation Internet. , 2008, , .		3
35	Performance evaluation of ipv6 packet classification with caching. , 2008, , .		3
36	Improving performance of delay-based TCPs with rerouting. IEEE Communications Letters, 2007, 11, 88-90.	4.1	2

#	ARTICLE	IF	CITATIONS
37	An Adaptive Polling Scheme to Improve Voice Transmission over Wireless LANs. , 2007, , .		7
38	Enhanced PCF Protocols for Real-time Multimedia Services over 802.11 Wireless Networks. , 2006, , .		5
39	Gallop-Vegas: An enhanced slow-start mechanism for TCP Vegas. Journal of Communications and Networks, 2006, 8, 351-359.	2.6	2
40	An Agent-Based Metric for Quality of Services over Wireless Networks. , 2006, , .		1
41	Smart window adjustment for XCP's congestion management. , 2006, , .		0
42	Performance Evaluation of Frame Bursting for GbE CSMA/CD SISO Networks. , 2006, , .		2