Yaw-Chung Chen

List of Publications by Year
in descending order

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	Sensing coverage hole identification and coverage hole healing methods for wireless sensor networks. Wireless Networks, 2020, 26, 2223-2239.	3.0	24
2	RPL Enhancement for a Parent Selection Mechanism and an Efficient Objective Function. IEEE Sensors Journal, 2019, 19, 10054-10066.	4.7	21
3	A Hybrid CPU/GPU Pattern-Matching Algorithm for Deep Packet Inspection. PLoS ONE, 2015, 10, e0139301.	2.5	16
4	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
5	Length-Bounded Hybrid CPU/GPU Pattern Matching Algorithm for Deep Packet Inspection. Algorithms, 2017, 10, 16.	2.1	10
6	Reducing Feedback Load of Opportunistic Multicast Scheduling over Wireless Systems. IEEE Communications Letters, 2010, 14, 1179-1181.	4.1	9
7	Improving quality of experience in P2P IPTV. , 2016, , .		8
8	An Adaptive Polling Scheme to Improve Voice Transmission over Wireless LANs. , 2007, , .		7
9	An Adaptive Bandwidth Request Scheme for QoS Support in WiMAX Polling Services. , 2008, , .		7
10	Resource Efficient Opportunistic Multicast Scheduling for IPTV over Mobile WiMAX. , 2010, , .		7
11	Enhanced PCF Protocols for Real-time Multimedia Services over 802.11 Wireless Networks. , 2006, , .		5
12	A Virtual Cluster Head Election Scheme for Energy-Efficient Routing in Wireless Sensor Networks. , 2015, , .		5
13	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
14	ALEX: An arithmetic-based unified unicast and multicast routing for MANETs. , 2014, , .		4
15	Parallel Table Lookup for Next Generation Internet. , 2008, , .		3
16	Performance evaluation of ipv6 packet classfication with caching. , 2008, , .		3
17	ZeroCalo. , 2019, , .		3
18	Gallop-Vegas: An enhanced slow-start mechanism for TCP Vegas. Journal of Communications and Networks, 2006, 8, 351-359.	2.6	2

#	Article	IF	Citations
19	Performance Evaluation of Frame Bursting for GbE CSMA/CD SISO Networks. , 2006, , .		2
20	Improving performance of delay-based TCPs with rerouting. IEEE Communications Letters, 2007, 11, 88-90.	4.1	2
21	An XMPP-Based XML Representation Middleware to Build Universal Service-Oriented Gateway in M2M Environment. , 2014, , .		2
22	NAT-Aware Peer Grouping and Chunk Scheduling for Mesh-Pull P2P Live Streaming Systems. , 2015, , .		2
23	Length-bounded Hybrid CPU/GPU Pattern Matching Algorithm for Deep Packet Inspection. , 2016, , .		2
24	Topology-Aware Optimal Subgrouping and Subscheduling for Generalized Explicit Multicasting on Internet. IEEE Systems Journal, 2017, 11, 2325-2336.	4.6	2
25	A Survey on All-Optical IP Convergence Optical Transport Networks. , 2019, , .		2
26	An Agent-Based Metric for Quality of Services over Wireless Networks. , 2006, , .		1
27	An Efficient IPTV Distribution Technique under NAT Environment. , 2012, , .		1
28	A scalable source multipath routing architecture for datacenter networks. , 2015, , .		1
29	A study of QoS feedback schemes on WiFi multicast for media streaming services. , 2016, , .		1
30	Smart window adjustment for XCP's congestion management. , 2006, , .		0
31	An Efficient Source Allocation Approach for QoS Support in P2PTV Systems. , 2010, , .		0
32	A Pre-authentication Scheme on WiMAX for QoS Improvement of Mobile Services. , 2011, , .		0
33	A Burst-Aware Scheduling Scheme Supporting Quality of Service in WiMAX Networks. , 2011, , .		0
34	A hardware-based preemptive dynamic bandwidth allocation mechanism for real-time applications in EPONs. , 2012, , .		0
35	A conflict-insensitive NATed roaming framework using NAToD for proxy mobile IPv4 in WLANs. Telecommunication Systems, 2013, 53, 315-328.	2.5	0
36	PSFCS: Robust Emergency Communications Supporting High-Mobility Based on WiMAX MMR Networks. , 2013, , .		0

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37	Scalable Explicit Multicasting on Internet: A Topological-Aware Approach. , 2015, , .		0
38	A cut-through scheduling for delay optimization in TD-LTE relay enhanced networks. , 2017, , .		0
39	Design and Development of Revolved 5G Core Networks Based on Lower-Layer Software-Defined and Upper-Layer Virtualized Approaches. , 2018, , .		0
40	Proximity-based D2D Mode Selection Scheme for LTE Networks. , 2019, , .		0
41	Energy efficient broadcast protocols for asynchronous duty-cycled wireless sensor networks. Wireless Networks, 2020, 26, 1373-1388.	3.0	0
42	PSFCS: Robust Emergency Communications Supporting High Mobility Based on WiMAX MMR Networks. International Journal of Distributed Sensor Networks, 2014, 10, 254753.	2.2	0