

Kate Ching-Ju Lin

List of Publications by Year in descending order

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87
papers

1,459
citations

516561

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526166

27
g-index

87
all docs

87
docs citations

87
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	Deploying Chains of Virtual Network Functions: On the Relation Between Link and Server Usage. IEEE/ACM Transactions on Networking, 2018, 26, 1562-1576.	2.6	135
2	Random access heterogeneous MIMO networks. , 2011, , .		113
3	ST-MAC: Spatial-Temporal MAC Scheduling for Underwater Sensor Networks. , 2009, , .		105
4	ZipTx. , 2008, , .		91
5	Rate adaptation for 802.11 multiuser mimo networks. , 2012, , .		75
6	On the Construction of Data Aggregation Tree with Minimum Energy Cost in Wireless Sensor Networks: NP-Completeness and Approximation Algorithms. IEEE Transactions on Computers, 2016, 65, 3109-3121.	2.4	51
7	Random access heterogeneous MIMO networks. Computer Communication Review, 2011, 41, 146-157.	1.5	44
8	SocioNet: A Social-Based Multimedia Access System for Unstructured P2P Networks. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1027-1041.	4.0	43
9	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
10	Rate Adaptation for 802.11 Multiuser MIMO Networks. IEEE Transactions on Mobile Computing, 2014, 13, 35-47.	3.9	39
11	Autonomous Mobile Mesh Networks. IEEE Transactions on Mobile Computing, 2014, 13, 364-376.	3.9	38
12	SIEVE: Scalable user grouping for large MU-MIMO systems. , 2015, , .		38
13	Flow Classification for Software-Defined Data Centers Using Stream Mining. IEEE Transactions on Services Computing, 2019, 12, 105-116.	3.2	37
14	The Elimination of Spatial-Temporal Uncertainty in Underwater Sensor Networks. IEEE/ACM Transactions on Networking, 2013, 21, 1229-1242.	2.6	34
15	Leader-Contention-Based User Matching for 802.11 Multiuser MIMO Networks. IEEE Transactions on Wireless Communications, 2014, 13, 4389-4400.	6.1	33
16	Probabilistic Medium Access Control for Full-Duplex Networks With Half-Duplex Clients. IEEE Transactions on Wireless Communications, 2017, 16, 2627-2640.	6.1	30
17	Cellular traffic offloading through community-based opportunistic dissemination. , 2012, , .		29
18	Channel-Aware Polling-Based MAC Protocol for Body Area Networks: Design and Analysis. IEEE Sensors Journal, 2017, 17, 2936-2948.	2.4	29

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19	Source Selection and Content Dissemination for Preference-Aware Traffic Offloading. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 3160-3174.	4.0	28
20	Quality-Differentiated Video Multicast in Multirate Wireless Networks. IEEE Transactions on Mobile Computing, 2013, 12, 21-34.	3.9	22
21	Inter-client interference cancellation for full-duplex networks. , 2017, , .		20
22	Magnetic Field-Based Localization in Factories Using Neural Network With Robotic Sampling. IEEE Sensors Journal, 2020, 20, 13110-13118.	2.4	18
23	A Distributed Flow-Based Guiding Protocol in Wireless Sensor Networks. , 2011, , .		17
24	Real traffic replay over WLAN with environment emulation. , 2012, , .		17
25	EFFORT: energy-efficient opportunistic routing technology in wireless sensor networks. Wireless Communications and Mobile Computing, 2013, 13, 760-773.	0.8	17
26	Toward Optimal Partial Parallelization for Service Function Chaining. IEEE/ACM Transactions on Networking, 2021, 29, 2033-2044.	2.6	15
27	Distributed Social-based Overlay Adaptation for Unstructured P2P Networks. , 2007, , .		14
28	pSafety: A Collision Prevention System for Pedestrians Using Smartphone. , 2016, , .		14
29	FDoF: Enhancing Channel Utilization for 802.11ac. IEEE/ACM Transactions on Networking, 2018, 26, 465-477.	2.6	13
30	Eye on You: Fusing Gesture Data from Depth Camera and Inertial Sensors for Person Identification. , 2018, , .		13
31	Exploiting multiple rates to maximize the throughput of wireless mesh networks. IEEE Transactions on Wireless Communications, 2009, 8, 6038-6049.	6.1	12
32	A light-weight wireless handshake. Computer Communication Review, 2012, 42, 28-34.	1.5	12
33	Communication and Computation Offloading for Multi-RAT Mobile Edge Computing. IEEE Wireless Communications, 2019, 26, 180-186.	6.6	12
34	acPad: Enhancing channel utilization for 802.11ac using packet padding. , 2017, , .		11
35	Relay-Based Video Multicast with Network Coding in Multi-Rate Wireless Networks. , 2011, , .		10
36	Multicast With Intraflow Network Coding in Multirate Multichannel Wireless Mesh Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3913-3927.	3.9	10

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37	Design of a Sensing Service Architecture for Internet of Things with Semantic Sensor Selection. , 2014, , .		10
38	Enabling Identity-Aware Tracking via Fusion of Visual and Inertial Features. , 2019, , .		10
39	Maximizing submodular set function with connectivity constraint: Theory and application to networks. , 2013, , .		9
40	Breaking Bandwidth Limitation for Mission-Critical IoT Using Semisequential Multiple Relays. IEEE Internet of Things Journal, 2018, 5, 3316-3329.	5.5	9
41	Location-assisted energy-efficient content search for mobile peer-to-peer networks. , 2011, , .		8
42	An Adaptive Guiding Protocol for Crowd Evacuation Based on Wireless Sensor Networks. , 2013, , .		8
43	Empowering Device-to-Device Networks with Cross-Link Interference Management. IEEE Transactions on Mobile Computing, 2017, 16, 950-963.	3.9	8
44	HybridCast: Joint multicast-unicast design for multiuser MIMO networks. , 2015, , .		7
45	Performance Study of Optimal Routing and Channel Assignment in Wireless Mesh Networks. , 2007, , .		6
46	Live Video Multicast for Dynamic Users via Segment Routing in 5G Networks. , 2018, , .		6
47	Rate-Loss Based Channel Assignment in Multi-Rate Wireless Mesh Networks. , 2010, , .		5
48	Client-AP association for multiuser MIMO networks. , 2015, , .		5
49	Beam Configuration and Client Association for Access Points with Switched Beam Antennas. IEEE Transactions on Mobile Computing, 2016, 15, 2179-2192.	3.9	5
50	User-Centric Network MIMO With Dynamic Clustering. IEEE/ACM Transactions on Networking, 2017, 25, 1910-1923.	2.6	5
51	Clustering and Symbolic Regression for Power Consumption Estimation on Smartphone Hardware Subsystems. IEEE Transactions on Sustainable Computing, 2018, 3, 306-317.	2.2	5
52	Route-Aware Load-Balanced Resource Allocation for Wireless Mesh Networks. , 2007, , .		4
53	Enabling Search and Similarity Search in Small-World-based P2P Systems. , 2007, , .		4
54	On the Design of the Semantic P2P System for Music Recommendation. , 2010, , .		4

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55	Dependency-aware quality-differentiated wireless video multicast. , 2013, , .		4
56	Joint sink deployment and association for multi-sink wireless camera networks. Wireless Communications and Mobile Computing, 2016, 16, 209-222.	0.8	4
57	Multiplexing-Diversity Medium Access for Multi-User MIMO Networks. IEEE Transactions on Mobile Computing, 2016, 15, 1211-1223.	3.9	4
58	Minimizing upload latency for critical tasks in cellular-based IoT networks using multiple relays. , 2017, , .		4
59	On Scalable Service Function Chaining with $\mathcal{O}(1)$ Flowtable Entries. , 2018, , .		4
60	Dynamic Cluster-Based Flow Management for Software Defined Networks. IEEE Transactions on Services Computing, 2022, 15, 361-371.	3.2	4
61	VNF Embedding and Assignment for Network Function Parallelism. IEEE Transactions on Network and Service Management, 2022, 19, 1006-1016.	3.2	4
62	On efficient multipolling with various service intervals for IEEE 802.11e WLANs. , 2011, , .		3
63	Video multicast with heterogeneous user interests in multi-rate wireless networks. , 2012, , .		3
64	Harnessing receive diversity in distributed multi-user MIMO networks. , 2013, , .		3
65	Concurrent Packet Recovery for Distributed Uplink Multiuser MIMO Networks. IEEE Transactions on Mobile Computing, 2016, 15, 3014-3027.	3.9	3
66	LiCompass: Extracting orientation from polarized light. , 2017, , .		3
67	r-Hint: A message-efficient random access response for mMTC in 5G networks. , 2017, , .		3
68	Resolving Intra-Class Imbalance for GAN-Based Image Augmentation. , 2019, , .		3
69	LAMP: Load adaptive MAC protocol for inter-BAN interference mitigation. , 2018, , .		2
70	Inter-Client Interference Cancellation for Full-Duplex Networks With Half-Duplex Clients. IEEE/ACM Transactions on Networking, 2019, 27, 2150-2163.	2.6	2
71	Traffic-Aware Beam Selection and Resource Allocation for 5G NR. , 2020, , .		2
72	Learning-based dynamic channel selection for Opportunistic Spectrum Access. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
73	Sink deployment in Wireless Surveillance Systems. , 2011, , .		1
74	Rate Adaptation for Highly Dynamic Body Area Networks. , 2014, , .		1
75	Who Takes What: Using RGB-D Camera and Inertial Sensor for Unmanned Monitor. , 2019, , .		1
76	Ultra-Low-Latency Distributed Deep Neural Network over Hierarchical Mobile Networks. , 2019, , .		1
77	Harnessing receive diversity in distributed multi-user MIMO networks. Computer Communication Review, 2013, 43, 505-506.	1.5	1
78	Cooperative popularity-aware MPEG-4/MPEG-7 streaming proxy system. , 0, , .		0
79	Cooperative content dissemination in multi-channel WLAN hotspots. Computer Networks, 2008, 52, 720-738.	3.2	0
80	Bulldozer: A Cooperative P2P-Based Distribution Platform for User-Centric Content Dissemination. , 2011, , .		0
81	On Enhancing Revenue of Wireless Video Multicast. , 2014, , .		0
82	Runtime service recovery for open information gateway. , 2014, , .		0
83	A Hint-Based Random Access Protocol for mMTC in 5G Mobile Network. , 2018, , .		0
84	Full-Duplex Constructive Relay for Wireless Multicast. , 2018, , .		0
85	On Optimizing Signaling Efficiency of Retransmissions for Voice LTE. , 2020, , .		0
86	In-Network Flow Classification With Knowledge Distillation. IEEE Access, 2021, 9, 111879-111889.	2.6	0
87	An empirical study of analog channel feedback. Computer Communication Review, 2013, 43, 529-530.	1.5	0