

# Yung Yi

## List of Publications by Year in descending order

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81  
papers

3,592  
citations

430874

18  
h-index

265206

42  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3262  
citing authors

#	ARTICLE	IF	CITATIONS
1	On Cost-Efficient Learning of Data Dependency. IEEE/ACM Transactions on Networking, 2022, 30, 1382-1394.	3.8	0
2	Enlarging Discriminative Power by Adding an Extra Class in Unsupervised Domain Adaptation. , 2021, , .		2
3	On Self-configuring IoT with Dual Radios: A Cross-Layer Approach. IEEE Transactions on Mobile Computing, 2021, , 1-1.	5.8	5
4	Bird-MAC: Energy-Efficient MAC for Quasi-Periodic IoT Applications by Avoiding Early Wake-up. IEEE Transactions on Mobile Computing, 2020, 19, 788-802.	5.8	12
5	Economics of Fog Computing: Interplay Among Infrastructure and Service Providers, Users, and Edge Resource Owners. IEEE Transactions on Mobile Computing, 2020, 19, 2609-2622.	5.8	13
6	Towards the swift prediction of the remaining useful life of lithium-ion batteries with end-to-end deep learning. Applied Energy, 2020, 278, 115646.	10.1	121
7	Information Source Finding in Networks: Querying With Budgets. IEEE/ACM Transactions on Networking, 2020, 28, 2271-2284.	3.8	7
8	Distributed Slot Scheduling for QoS Guarantee over TSCH-based IoT Networks via Adaptive Parameterization. , 2020, , .		7
9	Detection of Atrial Fibrillation Using a Ring-Type Wearable Device (CardioTracker) and Deep Learning Analysis of Photoplethysmography Signals: Prospective Observational Proof-of-Concept Study. Journal of Medical Internet Research, 2020, 22, e16443.	4.3	46
10	Optimal Rate Sampling in 802.11 Systems: Theory, Design, and Implementation. IEEE Transactions on Mobile Computing, 2019, 18, 1145-1158.	5.8	41
11	Simulation-Based Distributed Coordination Maximization Over Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 713-726.	3.7	0
12	Information source localization with protector diffusion in networks. Journal of Communications and Networks, 2019, 21, 136-147.	2.6	7
13	Joint Optimization of Message Transmissions With Adaptive Selection of CCH Interval in VANETs. IEEE Access, 2019, 7, 72090-72104.	4.2	8
14	CH-MAC: A Cluster-based, Hybrid TDMA MAC Protocol over Wireless Ad-hoc Networks. , 2019, , .		3
15	Deep Learning Approaches to Detect Atrial Fibrillation Using Photoplethysmographic Signals: Algorithms Development Study. JMIR MHealth and UHealth, 2019, 7, e12770.	3.7	65
16	Solving Continual Combinatorial Selection via Deep Reinforcement Learning. , 2019, , .		3
17	Game Theoretic Perspective of Optimal CSMA. IEEE Transactions on Wireless Communications, 2018, 17, 194-209.	9.2	14
18	Learning Data Dependency with Communication Cost. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Necessary and Sufficient Budgets in Information Source Finding with Querying: Adaptivity Gap. , 2018, , .		7
20	Incentivizing Hosts via Multilateral Cooperation in User-Provided Networks. , 2018, , .		2
21	On the Economics of Fog Computing: Inter-Play among Infrastructure and Service Providers, Users, and Edge Resource Owners. , 2018, , .		5
22	Parameterized slot scheduling for adaptive and autonomous TSCH networks. , 2018, , .		18
23	Optimal Inference in Crowdsourced Classification via Belief Propagation. IEEE Transactions on Information Theory, 2018, 64, 6127-6138.	2.4	1
24	Traffic Scheduling and Revenue Distribution Among Providers in the Internet: Tradeoffs and Impacts. IEEE Journal on Selected Areas in Communications, 2017, 35, 421-431.	14.0	7
25	<i>T-Chain</i> : A General Incentive Scheme for Cooperative Computing. IEEE/ACM Transactions on Networking, 2017, 25, 2122-2137.	3.8	13
26	Cedos: A Network Architecture and Programming Abstraction for Delay-Tolerant Mobile Apps. IEEE/ACM Transactions on Networking, 2017, 25, 646-661.	3.8	1
27	A Fog Operating System for User-Oriented IoT Services: Challenges and Research Directions. IEEE Communications Magazine, 2017, 55, 44-51.	6.1	92
28	Revisiting Sensor MAC for Periodic Monitoring: Why Should Transmitters Be Early Birds?. , 2017, , .		3
29	Aggregating LTE and Wi-Fi: Toward Intra-Cell Fairness and High TCP Performance. IEEE Transactions on Wireless Communications, 2017, 16, 6295-6308.	9.2	27
30	Development of a "stick-and-detect" wireless sensor node for fatigue crack detection. Structural Health Monitoring, 2017, 16, 153-163.	7.5	24
31	Incentivizing strategic users for social diffusion: Quantity or quality?. , 2017, , .		1
32	Adiabatic Persistent Contrastive Divergence learning. , 2017, , .		1
33	Joint optimization of emergency and periodic message transmissions in vehicular networks. , 2017, , .		7
34	Distributed Medium Access Over Time-Varying Channels. IEEE/ACM Transactions on Networking, 2016, 24, 3000-3013.	3.8	0
35	Aggregating LTE and Wi-Fi: Fairness and split-scheduling. , 2016, , .		2
36	On the competition of CDN companies: Impact of new telco-CDNs' federation. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
37	Energy-Efficient Wi-Fi Sensing Policy Under Generalized Mobility Patterns With Aging. IEEE/ACM Transactions on Networking, 2016, 24, 2416-2428.	3.8	4
38	BRUTE: Energy-Efficient User Association in Cellular Networks From Population Game Perspective. IEEE Transactions on Wireless Communications, 2016, 15, 663-675.	9.2	22
39	On the Economic Effects of User-Oriented Delayed Wi-Fi Offloading. IEEE Transactions on Wireless Communications, 2016, 15, 2684-2697.	9.2	12
40	Delay Optimal CSMA With Linear Virtual Channels Under a General Topology. IEEE/ACM Transactions on Networking, 2016, 24, 2847-2857.	3.8	8
41	Making 802.11 DCF Near-Optimal: Design, Implementation, and Evaluation. IEEE/ACM Transactions on Networking, 2016, 24, 1745-1758.	3.8	25
42	On the progressive spread over strategic diffusion: Asymptotic and computation. , 2015, , .		2
43	Max Contribution: An Online Approximation of Optimal Resource Allocation in Delay Tolerant Networks. IEEE Transactions on Mobile Computing, 2015, 14, 592-605.	5.8	4
44	Impacts of Selfish Behaviors on the Scalability of Hybrid Client-Server and Peer-to-Peer Caching Systems. IEEE/ACM Transactions on Networking, 2015, 23, 1818-1831.	3.8	5
45	CSMA Using the Bethe Approximation: Scheduling and Utility Maximization. IEEE Transactions on Information Theory, 2015, 61, 4776-4787.	2.4	9
46	On the economic impact of Telco CDNs and their alliance on the CDN market. , 2014, , .		5
47	On the economic effects of user-oriented delayed Wi-Fi offloading. , 2014, , .		2
48	Provable per-link delay-optimal CSMA for general wireless network topology. , 2014, , .		11
49	Revisiting security of proportional fair scheduler in wireless cellular networks. Computer Networks, 2014, 75, 58-74.	5.1	1
50	Distributed learning for utility maximization over CSMA-based wireless multihop networks. , 2014, , .		9
51	Influence maximization over strategic diffusion in social networks. , 2014, , .		1
52	Economics of WiFi Offloading: Trading Delay for Cellular Capacity. IEEE Transactions on Wireless Communications, 2014, 13, 1540-1554.	9.2	103
53	Mobile Data Offloading: How Much Can WiFi Deliver?. IEEE/ACM Transactions on Networking, 2013, 21, 536-550.	3.8	544
54	Network traffic reduction through smart network. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
55	On the Critical Delays of Mobile Networks Under L <sup>2</sup> -Walks and L <sup>2</sup> -Flights. IEEE/ACM Transactions on Networking, 2013, 21, 1621-1635.	3.8	9
56	Embedding of virtual network requests over static wireless multihop networks. Computer Networks, 2013, 57, 1139-1152.	5.1	29
57	On the impact of global information on diffusion of innovations over social networks. , 2013, , .		6
58	Wi-Fi sensing: Should mobiles sleep longer as they age?. , 2013, , .		12
59	On the interaction between content-oriented traffic scheduling and revenue sharing among providers. , 2013, , .		1
60	On the interaction between content-oriented traffic scheduling and revenue sharing among providers. , 2013, , .		0
61	Economics of WiFi offloading: Trading delay for cellular capacity. , 2013, , .		39
62	On the impact of global information on diffusion of innovations over social networks. , 2013, , .		0
63	Improving TCP Performance over Optimal CSMA in Wireless Multi-Hop Networks. IEEE Communications Letters, 2012, 16, 1388-1391.	4.1	5
64	Base Station Association in Wireless Cellular Networks: An Emulation Based Approach. IEEE Transactions on Wireless Communications, 2012, , 1-10.	9.2	13
65	On the stability of ISPs' coalition structure: Shapley value based revenue sharing. , 2012, , .		4
66	Greening Effect of Spatio-Temporal Power Sharing Policies in Cellular Networks with Energy Constraints. IEEE Transactions on Wireless Communications, 2012, 11, 4405-4415.	9.2	29
67	Throughput and Delay Performance of DSL Broadband Access with Cross-Layer Dynamic Spectrum Management. IEEE Transactions on Communications, 2012, 60, 2700-2711.	7.8	6
68	Impact of spatio-temporal power sharing policies on cellular network greening. , 2011, , .		10
69	Utility-Optimal Multi-Pattern Reuse in Multi-Cell Networks. IEEE Transactions on Wireless Communications, 2011, 10, 142-153.	9.2	18
70	REFIM: A Practical Interference Management in Heterogeneous Wireless Access Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 1260-1272.	14.0	166
71	Base Station Operation and User Association Mechanisms for Energy-Delay Tradeoffs in Green Cellular Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 1525-1536.	14.0	382
72	Resource Allocation over Network Dynamics without Timescale Separation. , 2010, , .		25

#	ARTICLE	IF	CITATIONS
73	Max-Contribution: On Optimal Resource Allocation in Delay Tolerant Networks. , 2010, , .		86
74	Adaptive multi-pattern reuse in multi-cell networks. , 2009, , .		3
75	Stability, Fairness, and Performance: A Flow-Level Study on Nonconvex and Time-Varying Rate Regions. IEEE Transactions on Information Theory, 2009, 55, 3437-3456.	2.4	12
76	On the Elasticity of Marking Functions in an Integrated Network. IEEE Transactions on Automatic Control, 2009, 54, 323-336.	5.7	0
77	Stochastic network utility maximisationâ€™a tribute to Kelly's paper published in this journal a decade ago. European Transactions on Telecommunications, 2008, 19, 421-442.	1.2	89
78	Rethinking virtual network embedding. Computer Communication Review, 2008, 38, 17-29.	1.8	1,047
79	Throughput of random access without message passing. , 2008, , .		44
80	Hop-by-Hop Congestion Control Over a Wireless Multi-Hop Network. IEEE/ACM Transactions on Networking, 2007, 15, 133-144.	3.8	213
81	Fast Coper for Broadband Access: An Overview. , 2007, , .		0