Tara Javidi

List of Publications by Citations

76 papers	1,048 citations	15 h-index	30 g-index
91 ext. papers	1,377 ext. citations	5 avg, IF	4.78 L-index

#	Paper	IF	Citations
76	Optimality of Myopic Sensing in Multichannel Opportunistic Access. *IEEE Transactions on Information Theory*, **2009**, 55, 4040-4050	2.8	229
75	Active sequential hypothesis testing. *Annals of Statistics*, **2013**, 41,	3.2	94
74	Optimal Pricing to Manage Electric Vehicles in Coupled Power and Transportation Networks. *IEEE Transactions on Control of Network Systems*, **2017**, 4, 863-875	4	76
73	Adaptive Opportunistic Routing for Wireless Ad Hoc Networks. *IEEE/ACM Transactions on Networking*, **2012**, 20, 243-256	3.8	55
72	Social learning and distributed hypothesis testing **2014**,		42
71	Active Learning and CSI Acquisition for mmWave Initial Alignment. *IEEE Journal on Selected Areas in Communications*, **2019**, 37, 2474-2489	14.2	37
70	High-Throughput Wastewater SARS-CoV-2 Detection Enables Forecasting of Community Infection Dynamics in San Diego County. *MSystems*, **2021**, 6,	7.6	32
69	Delay-Optimal Server Allocation in Multiqueue Multiserver Systems With Time-Varying Connectivities. *IEEE Transactions on Information Theory*, **2009**, 55, 2319-2333	2.8	31
68	. *IEEE Transactions on Information Theory*, **2015**, 61, 2148-2164	2.8	30
67	Network Coding Games with Unicast Flows. *IEEE Journal on Selected Areas in Communications*, **2008**, 26, 1302-1316	14.2	29
66	. *IEEE Journal on Selected Topics in Signal Processing*, **2013**, 7, 768-782	7.5	28
65	Integration of communication and control using discrete time Kuramoto models for multivehicle coordination over broadcast networks. *IEEE Journal on Selected Areas in Communications*, **2008**, 26, 695-705	14.2	27
64	Extrinsic Jensen-Shannon divergence with application in active hypothesis testing **2012**,		19
63	Resource Allocation in OFDMA with Time-Varying Channel and Bursty Arrivals. *IEEE Communications Letters*, **2007**, 11, 708-710	3.8	17
62	High-SNR Analysis of Outage-Limited Communications With Bursty and Delay-Limited Information. *IEEE Transactions on Information Theory*, **2009**, 55, 746-763	2.8	16
61	Opportunistic Routing with Congestion Diversity in Wireless Multi-hop Networks **2010**,		15
60	A General Class of Throughput Optimal Routing Policies in Multi-Hop Wireless Networks. *IEEE Transactions on Information Theory*, **2012**, 58, 2175-2193	2.8	14

59	Distributed Link Scheduling, Power Control and Routing for Multi-hop Wireless MIMO Networks **2006**,		13
58	Leveraging Downlink for Efficient Uplink Allocation in a Single-Hop Wireless Network. *IEEE Transactions on Information Theory*, **2007**, 53, 4330-4339	2.8	12
57	Pricing and QoS in Wireless Random Access Networks **2008**,		11
56	Adaptive Policies for Scheduling With Reconfiguration Delay: An End-to-End Solution for All-Optical Data Centers. *IEEE/ACM Transactions on Networking*, **2017**, 25, 1555-1568	3.8	10
55	Searching With Measurement Dependent Noise. *IEEE Transactions on Information Theory*, **2018**, 64, 2690-2705	2.8	10
54	Opportunistic Routing With Congestion Diversity in Wireless Ad Hoc Networks. *IEEE/ACM Transactions on Networking*, **2016**, 24, 1167-1180	3.8	9
53	Dynamic joint source-Channel coding with feedback **2013**,		9
52	Benefits of Storage Control for Wind Power Producers in Power Markets. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 1492-1505	8.2	9
51	Information utility in active sequential hypothesis testing **2010**,		8
50	Performance bounds for active sequential hypothesis testing **2011**,		8
49	Optimality of myopic policy for a class of monotone affine restless multi-armed bandits **2012**,		8
48	Integration of communication and control using discrete time Kuramoto models for multivehicle coordination over broadcast networks **2007**,		8
47	Bayesian Active Learning With Non-Persistent Noise. *IEEE Transactions on Information Theory*, **2015**, 61, 4080-4098	2.8	7
46	Decentralized Rate Assignments in a Multi-Sector CDMA Network. *IEEE Transactions on Wireless Communications*, **2006**, 5, 3537-3547	9.6	7
45	Improved Target Acquisition Rates With Feedback Codes. *IEEE Journal on Selected Topics in Signal Processing*, **2018**, 12, 871-885	7.5	6
44	Towards Throughput and Delay Optimal Routing for Wireless Ad-Hoc Networks. *Conference Record of the Asilomar Conference on Signals, Systems and Computers*, **2007**,	0.3	6
43	Estimation in autoregressive processes with partial observations **2017**,		5
42	Efficient object detection for high resolution images **2015**,		5

41	**2015**,		5
40	Optimal reliability over a class of binary-input channels with feedback **2012**,		5
39	Distributed Rate Assignments for Simultaneous Interference and Congestion Control in CDMA-Based Wireless Networks. *IEEE Transactions on Vehicular Technology*, **2008**, 57, 1980-1985	6.8	5
38	Optimal operating point for MIMO multiple access channel with bursty traffic. *IEEE Transactions on Wireless Communications*, **2007**, 6, 4464-4474	9.6	5
37	**2012**,		4
36	Variable-length coding with noiseless feedback and finite messages **2010**,		4
35	Opportunistic routing with congestion diversity and tunable overhead **2010**,		4
34	Optimal code length for bursty sources with deadlines **2009**,		4
33	Cooperative and Non-Cooperative Resource Sharing in Networks: A Delay Perspective. *IEEE Transactions on Automatic Control*, **2008**, 53, 2134-2142	5.9	4
32	Sequential Learning of CSI for MmWave Initial Alignment **2019**,		4
31	Dynamic Cloud Network Control Under Reconfiguration Delay and Cost. *IEEE/ACM Transactions on Networking*, **2019**, 27, 491-504	3.8	3
30	Bit-wise Sequential Coding with Feedback **2018**,		3
29	Fundamental estimation limits in autoregressive processes with compressive measurements **2017**,		3
28	Noisy Bayesian active learning **2012**,		3
27	Opinion dynamics and distributed learning of distributions **2011**,		3
26	Linear sum capacity for Gaussian multiple access channel with feedback **2010**,		3
25	Incentive Compatible MAC-Layer QoS Design **2008**,		3
24	Authentication of cyber-physical systems under learning-based attacks. *IFAC-PapersOnLine*, **2019**, 52, 369-374	0.7	3

23	. *IEEE Transactions on Control of Network Systems*, **2021**, 8, 437-449	4	3
22	Real-time Binary Posterior Matching **2019**,		2
21	**2015**,		2
20	Learning via active hypothesis testing over networks **2017**,		2
19	On the rate of learning in distributed hypothesis testing **2015**,		2
18	Many-sources large deviations for max-weight scheduling **2008**,		2
17	Delay analysis of block coding over a noisy channel with limited feedback **2008**,		2
16	WLC03-5: Leveraging Downlink for Regulation of Distributed Uplink CDMA. *IEEE Global Telecommunications Conference (GLOBECOM)*, **2006**,		2
15	AdaNS: Adaptive Non-Uniform Sampling for Automated Design of Compact DNNs. *IEEE Journal on Selected Topics in Signal Processing*, **2020**, 14, 750-764	7.5	2
14	Reliable Shortest Path Routing with Applications to Wireless Software-Defined Networking **2018**,		2
13	Target Localization with Drones using Mobile CNNs **2018**,		2
12	Low Complexity Sequential Search With Size-Dependent Measurement Noise. *IEEE Transactions on Information Theory*, **2021**, 67, 5731-5748	2.8	2
11	Tracking of real-valued Markovian random processes with asymmetric cost and observation **2015**,		1
10	An energy-efficient multi-sensor scheduling mechanism with QoS support for WBANs **2014**,		1
9	Extrinsic Jensen-Shannon divergence and noisy Bayesian active learning **2013**,		1
8	Many-Sources Large Deviations for Max-Weight Scheduling. *IEEE Transactions on Information Theory*, **2011**, 57, 2151-2168	2.8	1
7	End-to-End and Mac-Layer Fair Rate Assignment in Interference Limited Wireless Access Networks **2006**,		1
6	Leveraging Downlink for Optimal Uplink Rate Allocation: An Incentive Compatible Approach **2006**,		1

5   Sequential measurement-dependent noisy search **2016**,   1

4   Information acquisition and sequential belief refinement **2016**,   1

3   A simple and scalable algorithm for alignment in broadcast networks. *IEEE Journal on Selected   14.2
     Areas in Communications*, **2010**, 28, 1190-1199

2   Decentralized Rate Assignments in a Multi-Sector CDMA Network. *IEEE Transactions on Wireless   9.6
     Communications*, **2006**, 5, 3537-3547

1   Heavy traffic queue length scaling in switches with reconfiguration delay. *Queueing Systems*, **2021**,   1.7
     98, 49-93