

Tara Javidi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	High-Throughput Wastewater SARS-CoV-2 Detection Enables Forecasting of Community Infection Dynamics in San Diego County. <i>MSystems</i> , 2021 , 6,	7.6	32
75	. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 437-449	4	3
74	Heavy traffic queue length scaling in switches with reconfiguration delay. <i>Queueing Systems</i> , 2021 , 98, 49-93	1.7	
73	Low Complexity Sequential Search With Size-Dependent Measurement Noise. <i>IEEE Transactions on Information Theory</i> , 2021 , 67, 5731-5748	2.8	2
72	AdaNS: Adaptive Non-Uniform Sampling for Automated Design of Compact DNNs. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 750-764	7.5	2
71	Real-time Binary Posterior Matching 2019 ,		2
70	Dynamic Cloud Network Control Under Reconfiguration Delay and Cost. <i>IEEE/ACM Transactions on Networking</i> , 2019 , 27, 491-504	3.8	3
69	Sequential Learning of CSI for MmWave Initial Alignment 2019 ,		4
68	Authentication of cyber-physical systems under learning-based attacks. <i>IFAC-PapersOnLine</i> , 2019 , 52, 369-374	0.7	3
67	Active Learning and CSI Acquisition for mmWave Initial Alignment. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2474-2489	14.2	37
66	Searching With Measurement Dependent Noise. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 2690-2705	10	10
65	Improved Target Acquisition Rates With Feedback Codes. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2018 , 12, 871-885	7.5	6
64	Bit-wise Sequential Coding with Feedback 2018 ,		3
63	Reliable Shortest Path Routing with Applications to Wireless Software-Defined Networking 2018 ,		2
62	Target Localization with Drones using Mobile CNNs 2018 ,		2
61	Adaptive Policies for Scheduling With Reconfiguration Delay: An End-to-End Solution for All-Optical Data Centers. <i>IEEE/ACM Transactions on Networking</i> , 2017 , 25, 1555-1568	3.8	10
60	Estimation in autoregressive processes with partial observations 2017 ,		5

59	Optimal Pricing to Manage Electric Vehicles in Coupled Power and Transportation Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2017 , 4, 863-875	4	76
58	Fundamental estimation limits in autoregressive processes with compressive measurements 2017 ,		3
57	Learning via active hypothesis testing over networks 2017 ,		2
56	Opportunistic Routing With Congestion Diversity in Wireless Ad Hoc Networks. <i>IEEE/ACM Transactions on Networking</i> , 2016 , 24, 1167-1180	3.8	9
55	Sequential measurement-dependent noisy search 2016 ,		1
54	Information acquisition and sequential belief refinement 2016 ,		1
53	Benefits of Storage Control for Wind Power Producers in Power Markets. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 1492-1505	8.2	9
52	. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 2148-2164	2.8	30
51	2015 ,		2
50	On the rate of learning in distributed hypothesis testing 2015 ,		2
49	Efficient object detection for high resolution images 2015 ,		5
48	2015 ,		5
47	Bayesian Active Learning With Non-Persistent Noise. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 4080-4098	2.8	7
46	Tracking of real-valued Markovian random processes with asymmetric cost and observation 2015 ,		1
45	Social learning and distributed hypothesis testing 2014 ,		42
44	An energy-efficient multi-sensor scheduling mechanism with QoS support for WBANs 2014 ,		1
43	Dynamic joint source-Channel coding with feedback 2013 ,		9
42	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2013 , 7, 768-782	7.5	28

41	Extrinsic Jensen-Shannon divergence and noisy Bayesian active learning 2013 ,		1
40	Active sequential hypothesis testing. <i>Annals of Statistics</i> , 2013 , 41,	3.2	94
39	A General Class of Throughput Optimal Routing Policies in Multi-Hop Wireless Networks. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 2175-2193	2.8	14
38	2012 ,		4
37	Noisy Bayesian active learning 2012 ,		3
36	Optimal reliability over a class of binary-input channels with feedback 2012 ,		5
35	Adaptive Opportunistic Routing for Wireless Ad Hoc Networks. <i>IEEE/ACM Transactions on Networking</i> , 2012 , 20, 243-256	3.8	55
34	Extrinsic Jensen-Shannon divergence with application in active hypothesis testing 2012 ,		19
33	Optimality of myopic policy for a class of monotone affine restless multi-armed bandits 2012 ,		8
32	Opinion dynamics and distributed learning of distributions 2011 ,		3
31	Many-Sources Large Deviations for Max-Weight Scheduling. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 2151-2168	2.8	1
30	Performance bounds for active sequential hypothesis testing 2011 ,		8
29	Opportunistic Routing with Congestion Diversity in Wireless Multi-hop Networks 2010 ,		15
28	Information utility in active sequential hypothesis testing 2010 ,		8
27	A simple and scalable algorithm for alignment in broadcast networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2010 , 28, 1190-1199	14.2	
26	Variable-length coding with noiseless feedback and finite messages 2010 ,		4
25	Linear sum capacity for Gaussian multiple access channel with feedback 2010 ,		3
24	Opportunistic routing with congestion diversity and tunable overhead 2010 ,		4

23	Optimal code length for bursty sources with deadlines 2009 ,		4
22	High-SNR Analysis of Outage-Limited Communications With Bursty and Delay-Limited Information. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 746-763	2.8	16
21	Delay-Optimal Server Allocation in Multiqueue Multiserver Systems With Time-Varying Connectivities. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 2319-2333	2.8	31
20	Optimality of Myopic Sensing in Multichannel Opportunistic Access. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 4040-4050	2.8	229
19	Distributed Rate Assignments for Simultaneous Interference and Congestion Control in CDMA-Based Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 1980-1985	6.8	5
18	Integration of communication and control using discrete time Kuramoto models for multivehicle coordination over broadcast networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2008 , 26, 695-705	14.2	27
17	Network Coding Games with Unicast Flows. <i>IEEE Journal on Selected Areas in Communications</i> , 2008 , 26, 1302-1316	14.2	29
16	Incentive Compatible MAC-Layer QoS Design 2008 ,		3
15	Many-sources large deviations for max-weight scheduling 2008 ,		2
14	Cooperative and Non-Cooperative Resource Sharing in Networks: A Delay Perspective. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2134-2142	5.9	4
13	Delay analysis of block coding over a noisy channel with limited feedback 2008 ,		2
12	Pricing and QoS in Wireless Random Access Networks 2008 ,		11
11	Leveraging Downlink for Efficient Uplink Allocation in a Single-Hop Wireless Network. <i>IEEE Transactions on Information Theory</i> , 2007 , 53, 4330-4339	2.8	12
10	Integration of communication and control using discrete time Kuramoto models for multivehicle coordination over broadcast networks 2007 ,		8
9	Towards Throughput and Delay Optimal Routing for Wireless Ad-Hoc Networks. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , 2007 ,	0.3	6
8	Optimal operating point for MIMO multiple access channel with bursty traffic. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 4464-4474	9.6	5
7	Resource Allocation in OFDMA with Time-Varying Channel and Bursty Arrivals. <i>IEEE Communications Letters</i> , 2007 , 11, 708-710	3.8	17
6	End-to-End and Mac-Layer Fair Rate Assignment in Interference Limited Wireless Access Networks 2006 ,		1

5	WLC03-5: Leveraging Downlink for Regulation of Distributed Uplink CDMA. <i>IEEE Global Telecommunications Conference (GLOBECOM), 2006,</i>		2
4	Leveraging Downlink for Optimal Uplink Rate Allocation: An Incentive Compatible Approach 2006,		1
3	Distributed Link Scheduling, Power Control and Routing for Multi-hop Wireless MIMO Networks 2006,		13
2	Decentralized Rate Assignments in a Multi-Sector CDMA Network. <i>IEEE Transactions on Wireless Communications, 2006, 5, 3537-3547</i>	9.6	7
1	Decentralized Rate Assignments in a Multi-Sector CDMA Network. <i>IEEE Transactions on Wireless Communications, 2006, 5, 3537-3547</i>	9.6	