Mohamad Assaad

List of Publications by Year
in descending order

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57	984	471509	501196
papers	citations	17	28
		h-index	g-index

58	58	58	908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distributed Derivative-Free Learning Method for Stochastic Optimization Over a Network With Sparse Activity. IEEE Transactions on Automatic Control, 2022, 67, 2221-2236.	5.7	1
2	On the Global Optimality of Whittleâ€™s Index Policy for Minimizing the Age of Information. IEEE Transactions on Information Theory, 2022, 68, 572-600.	2.4	7
3	ML-Based Massive MIMO Channel Prediction: Does It Work on Real-World Data?. IEEE Wireless Communications Letters, 2022, 11, 811-815.	5.0	14
4	Artificial Intelligence for 6G Networks: Technology Advancement and Standardization. IEEE Vehicular Technology Magazine, 2022, 17, 16-25.	3.4	18
5	Timely Updates With Priorities: Lexicographic Age Optimality. IEEE Transactions on Communications, 2022, 70, 3020-3033.	7.8	3
6	On the Optimality of the Whittleâ€™s Index Policy for Minimizing the Age of Information. IEEE Transactions on Wireless Communications, 2021, 20, 1263-1277.	9.2	40
7	Low-Complexity Channel Allocation Scheme for URLLC Traffic. IEEE Transactions on Communications, 2021, 69, 194-206.	7.8	20
8	Improving Cell-Free Massive MIMO Networks Performance: A User Scheduling Approach. IEEE Transactions on Wireless Communications, 2021, 20, 7360-7374.	9.2	17
9	Trial and Error Learning for Dynamic Distributed Channel Allocation in Random Medium. IEEE Transactions on Wireless Communications, 2021, 20, 8177-8190.	9.2	0
10	Age of Information of Jackson Networks With Finite Buffer Size. IEEE Wireless Communications Letters, 2021, 10, 902-906.	5.0	1
11	Distributed Stochastic Optimization in Networks With Low Informational Exchange. IEEE Transactions on Information Theory, 2021, 67, 2989-3008.	2.4	0
12	Minimizing the Age of Incorrect Information for Real-time Tracking of Markov Remote Sources. , 2021, , .		12
13	Energy-Efficient Distributed Transmission Scheme for MTC in Dense Wireless Networks: A Mean-Field Approach. IEEE Internet of Things Journal, 2020, 7, 477-490.	8.7	4
14	Asymptotically Optimal Scheduling Policy For Minimizing The Age of Information. , 2020, , .		7
15	The Age of Incorrect Information: A New Performance Metric for Status Updates. IEEE/ACM Transactions on Networking, 2020, 28, 2215-2228.	3.8	113
16	A Hybrid Scheduled and group-based random access solution for massive MTC networks. Computer Networks, 2020, 176, 107253.	5.1	2
17	On the Age of Information in a CSMA Environment. IEEE/ACM Transactions on Networking, 2020, 28, 818-831.	3.8	85
18	Performance Analysis of Trial and Error Algorithms. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1343-1356.	5.6	3

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19	Deep Learning Based Online Power Control for Large Energy Harvesting Networks. , 2019, , .		11
20	A Framework of Topological Interference Management and Clustering for D2D Networks. IEEE Transactions on Communications, 2019, 67, 7856-7871.	7.8	21
21	Matrix Exponential Learning Schemes With Low Informational Exchange. IEEE Transactions on Signal Processing, 2019, 67, 3140-3153.	5.3	8
22	Exploiting the Massive MIMO Channel Structural Properties for Minimization of Channel Estimation Error and Training Overhead. IEEE Access, 2019, 7, 32434-32452.	4.2	16
23	Whittle Index Policy for Multichannel Scheduling in Queueing Systems. , 2019, , .		6
24	Risk-Sensitive Reinforcement Learning for URLLC Traffic in Wireless Networks. , 2019, , .		9
25	Distributed Power Control for Large Energy Harvesting Networks: A Multi-Agent Deep Reinforcement Learning Approach. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1140-1154.	7.9	38
26	Application of the Topological Interference Management Method in Practical Scenarios. , 2019, , .		0
27	Energy Efficient and Throughput Optimal CSMA Scheme. IEEE/ACM Transactions on Networking, 2019, 27, 316-329.	3.8	21
28	On Optimal Scheduling for Joint Spatial Division and Multiplexing Approach in FDD Massive MIMO. IEEE Transactions on Signal Processing, 2019, 67, 1006-1021.	5.3	11
29	Queueing Stability and CSI Probing of a TDD Wireless Network With Interference Alignment. IEEE Transactions on Information Theory, 2018, 64, 547-576.	2.4	2
30	Energy Efficiency in Cache-Enabled Small Cell Networks With Adaptive User Clustering. IEEE Transactions on Wireless Communications, 2018, 17, 955-968.	9.2	23
31	Topological Interference Management Framework for Device-to-Device Communication. IEEE Wireless Communications Letters, 2018, 7, 602-605.	5.0	13
32	Frequency-Domain NOMA With Two Sets of Orthogonal Signal Waveforms. IEEE Communications Letters, 2018, 22, 906-909.	4.1	50
33	Stay Longer at the Network's Edge: A Novel Proactive Caching Policy through Sojourn Time. , 2018, , .		0
34	Queue-Aware Energy Efficient Control for Dense Wireless Networks. , 2018, , .		4
35	The Age of Updates in a Simple Relay Network. , 2018, , .		37
36	Managing Interference in D2D Networks via Clustering and Topological Awareness. , 2018, , .		5

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37	Asymptotically Optimal Pilot Allocation Over Markovian Fading Channels. IEEE Transactions on Information Theory, 2018, 64, 5395-5418.	2.4	12
38	Traffic-Aware Scheduling and Feedback Allocation in Multichannel Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 5520-5534.	9.2	5
39	Distributed stochastic optimization in networks with low informational exchange. , 2017, , .		7
40	Caching improvement using adaptive user clustering. , 2016, , .		8
41	Opportunistic Feedback Reporting and Scheduling Scheme for Multichannel Wireless Networks. , 2016, , .		1
42	Mean-Field Games for Resource Sharing in Cloud-Based Networks. IEEE/ACM Transactions on Networking, 2016, 24, 624-637.	3.8	22
43	Joint Power Control and Rate Adaptation for Video Streaming in Wireless Networks With Time-Varying Interference. IEEE Transactions on Vehicular Technology, 2016, 65, 6315-6329.	6.3	18
44	On the benefits of edge caching for MIMO interference alignment. , 2015, , .		38
45	Transmit Power Minimization in Small Cell Networks Under Time Average QoS Constraints. IEEE Journal on Selected Areas in Communications, 2015, 33, 2087-2103.	14.0	18
46	Traffic-Aware Training and Scheduling for MISO Wireless Downlink Systems. IEEE Transactions on Information Theory, 2015, 61, 2574-2599.	2.4	13
47	Coordinated Multicell Beamforming for Massive MIMO: A Random Matrix Approach. IEEE Transactions on Information Theory, 2015, 61, 3387-3412.	2.4	56
48	Resource Optimization of Non-Additive Utility Functions in Localized SC-FDMA Systems. IEEE Transactions on Signal Processing, 2014, 62, 4896-4910.	5.3	5
49	Optimal power and subcarriers allocation in downlink OFDMA system with imperfect channel knowledge. Optimization and Engineering, 2013, 14, 477-499.	2.4	7
50	H-Infinity control based scheduler for the deployment of small cell networks. Performance Evaluation, 2013, 70, 513-527.	1.2	3
51	Distributed H^âˆž-Based Power Control in a Dynamic Wireless Network Environment. IEEE Communications Letters, 2013, 17, 1124-1127.	4.1	14
52	Joint Scheduling and Resource Allocation in the OFDMA Downlink: Utility Maximization Under Imperfect Channel-State Information. IEEE Transactions on Signal Processing, 2011, 59, 5589-5604.	5.3	49
53	Dynamic Resource Allocation in Multi-Service OFDMA Systems with Dynamic Queue Control. IEEE Transactions on Communications, 2011, 59, 1664-1674.	7.8	18
54	Optimal Resource Allocation Framework for Downlink OFDMA System with Channel Estimation Error. , 2010, , .		17

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55	Low complexity margin adaptive resource allocation in downlink MIMO-OFDMA system. IEEE Transactions on Wireless Communications, 2009, 8, 3365-3371.	9.2	29
56	Frequency-Time Scheduling for streaming services in OFDMA systems. , 2008, , .		13
57	TCP Performance over UMTS-HSDPA System. Telecommunication Systems, 2004, 27, 371-391.	2.5	9