Mohamad Assaad

List of Publications by Year
in descending order

57 papers	984 citations	17 h-index
58 all docs	58 docs citations	58 times ranked

471509

501196

28 g-index

908 citing authors

#	Article	IF	Citations
1	The Age of Incorrect Information: A New Performance Metric for Status Updates. IEEE/ACM Transactions on Networking, 2020, 28, 2215-2228.	3.8	113
2	On the Age of Information in a CSMA Environment. IEEE/ACM Transactions on Networking, 2020, 28, 818-831.	3.8	85
3	Coordinated Multicell Beamforming for Massive MIMO: A Random Matrix Approach. IEEE Transactions on Information Theory, 2015, 61, 3387-3412.	2.4	56
4	Frequency-Domain NOMA With Two Sets of Orthogonal Signal Waveforms. IEEE Communications Letters, 2018, 22, 906-909.	4.1	50
5	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
6	On the Optimality of the Whittle's Index Policy for Minimizing the Age of Information. IEEE Transactions on Wireless Communications, 2021, 20, 1263-1277.	9.2	40
7	On the benefits of edge caching for MIMO interference alignment. , 2015, , .		38
8	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
9	The Age of Updates in a Simple Relay Network. , 2018, , .		37
10	Low complexity margin adaptive resource allocation in downlink MIMO-OFDMA system. IEEE Transactions on Wireless Communications, 2009, 8, 3365-3371.	9.2	29
11	Energy Efficiency in Cache-Enabled Small Cell Networks With Adaptive User Clustering. IEEE Transactions on Wireless Communications, 2018, 17, 955-968.	9.2	23
12	Mean-Field Games for Resource Sharing in Cloud-Based Networks. IEEE/ACM Transactions on Networking, 2016, 24, 624-637.	3.8	22
13	A Framework of Topological Interference Management and Clustering for D2D Networks. IEEE Transactions on Communications, 2019, 67, 7856-7871.	7.8	21
14	Energy Efficient and Throughput Optimal CSMA Scheme. IEEE/ACM Transactions on Networking, 2019, 27, 316-329.	3.8	21
15	Low-Complexity Channel Allocation Scheme for URLLC Traffic. IEEE Transactions on Communications, 2021, 69, 194-206.	7.8	20
16	Dynamic Resource Allocation in Multi-Service OFDMA Systems with Dynamic Queue Control. IEEE Transactions on Communications, 2011, 59, 1664-1674.	7.8	18
17	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
18	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

#	Article	IF	Citations
19	Artificial Intelligence for 6G Networks: Technology Advancement and Standardization. IEEE Vehicular Technology Magazine, 2022, 17, 16-25.	3.4	18
20	Optimal Resource Allocation Framework for Downlink OFDMA System with Channel Estimation Error. , 2010, , .		17
21	Improving Cell-Free Massive MIMO Networks Performance: A User Scheduling Approach. IEEE Transactions on Wireless Communications, 2021, 20, 7360-7374.	9.2	17
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	Distributed H^â^ž-Based Power Control in a Dynamic Wireless Network Environment. IEEE Communications Letters, 2013, 17, 1124-1127.	4.1	14
24	ML-Based Massive MIMO Channel Prediction: Does It Work on Real-World Data?. IEEE Wireless Communications Letters, 2022, 11, 811-815.	5.0	14
25	Frequency-Time Scheduling for streaming services in OFDMA systems. , 2008, , .		13
26	Traffic-Aware Training and Scheduling for MISO Wireless Downlink Systems. IEEE Transactions on Information Theory, 2015, 61, 2574-2599.	2.4	13
27	Topological Interference Management Framework for Device-to-Device Communication. IEEE Wireless Communications Letters, 2018, 7, 602-605.	5.0	13
28	Asymptotically Optimal Pilot Allocation Over Markovian Fading Channels. IEEE Transactions on Information Theory, 2018, 64, 5395-5418.	2.4	12
29	Minimizing the Age of Incorrect Information for Real-time Tracking of Markov Remote Sources. , 2021, , .		12
30	Deep Learning Based Online Power Control for Large Energy Harvesting Networks. , 2019, , .		11
31	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
32	TCP Performance over UMTS-HSDPA System. Telecommunication Systems, 2004, 27, 371-391.	2.5	9
33	Risk-Sensitive Reinforcement Learning for URLLC Traffic in Wireless Networks. , 2019, , .		9
34	Caching improvement using adaptive user clustering. , 2016, , .		8
35	Matrix Exponential Learning Schemes With Low Informational Exchange. IEEE Transactions on Signal Processing, 2019, 67, 3140-3153.	5.3	8
36	Optimal power and subcarriers allocation in downlink OFDMA system with imperfect channel knowledge. Optimization and Engineering, 2013, 14, 477-499.	2.4	7

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37	Distributed stochastic optimization in networks with low informational exchange. , 2017, , .		7
38	Asymptotically Optimal Scheduling Policy For Minimizing The Age of Information. , 2020, , .		7
39	On the Global Optimality of Whittle's Index Policy for Minimizing the Age of Information. IEEE Transactions on Information Theory, 2022, 68, 572-600.	2.4	7
40	Whittle Index Policy for Multichannel Scheduling in Queueing Systems. , 2019, , .		6
41	Resource Optimization of Non-Additive Utility Functions in Localized SC-FDMA Systems. IEEE Transactions on Signal Processing, 2014, 62, 4896-4910.	5.3	5
42	Managing Interference in D2D Networks via Clustering and Topological Awareness. , 2018, , .		5
43	Traffic-Aware Scheduling and Feedback Allocation in Multichannel Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 5520-5534.	9.2	5
44	Queue-Aware Energy Efficient Control for Dense Wireless Networks. , 2018, , .		4
45	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
46	H-Infinity control based scheduler for the deployment of small cell networks. Performance Evaluation, 2013, 70, 513-527.	1.2	3
47	Performance Analysis of Trial and Error Algorithms. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1343-1356.	5.6	3
48	Timely Updates With Priorities: Lexicographic Age Optimality. IEEE Transactions on Communications, 2022, 70, 3020-3033.	7.8	3
49	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
50	A Hybrid Scheduled and group-based random access solution for massive MTC networks. Computer Networks, 2020, 176, 107253.	5.1	2
51	Opportunistic Feedback Reporting and Scheduling Scheme for Multichannel Wireless Networks. , 2016, , .		1
52	Age of Information of Jackson Networks With Finite Buffer Size. IEEE Wireless Communications Letters, 2021, 10, 902-906.	5.0	1
53	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
54	Stay Longer at the Network's Edge: A Novel Proactive Caching Policy through Sojourn Time. , 2018, , .		0

#	Article	IF	Citations
55	Application of the Topological Interference Management Method in Practical Scenarios. , 2019, , .		0
56	Trial and Error Learning for Dynamic Distributed Channel Allocation in Random Medium. IEEE Transactions on Wireless Communications, 2021, 20, 8177-8190.	9.2	0
57	Distributed Stochastic Optimization in Networks With Low Informational Exchange. IEEE Transactions on Information Theory, 2021, 67, 2989-3008.	2.4	0