

# Ahmed Arafa

## List of Publications by Year in descending order

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39  
papers

1,209  
citations

623734

14  
h-index

888059

17  
g-index

39  
all docs

39  
docs citations

39  
times ranked

803  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interplay Between NOMA and Other Emerging Technologies: A Survey. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 900-919.	7.9	173
2	Age-Minimal Transmission for Energy Harvesting Sensors With Finite Batteries: Online Policies. IEEE Transactions on Information Theory, 2020, 66, 534-556.	2.4	138
3	Age-Minimal Transmission in Energy Harvesting Two-Hop Networks. , 2017, , .		96
4	Age minimization in energy harvesting communications: Energy-controlled delays. , 2017, , .		62
5	Age-Minimal Online Policies for Energy Harvesting Sensors with Random Battery Recharges. , 2018, , .		58
6	Optimal Policies for Wireless Networks With Energy Harvesting Transmitters and Receivers: Effects of Decoding Costs. IEEE Journal on Selected Areas in Communications, 2015, 33, 2611-2625.	14.0	55
7	Timely Updates in Energy Harvesting Two-Hop Networks: Offline and Online Policies. IEEE Transactions on Wireless Communications, 2019, 18, 4017-4030.	9.2	55
8	Optimizing Information Freshness in Wireless Networks: A Stochastic Geometry Approach. IEEE Transactions on Mobile Computing, 2021, 20, 2269-2280.	5.8	55
9	Online Timely Status Updates with Erasures for Energy Harvesting Sensors. , 2018, , .		46
10	Secure Relaying in Non-Orthogonal Multiple Access: Trusted and Untrusted Scenarios. IEEE Transactions on Information Forensics and Security, 2020, 15, 210-222.	6.9	44
11	Age-Minimal Online Policies for Energy Harvesting Sensors with Incremental Battery Recharges. , 2018, , .		43
12	On Timely Channel Coding with Hybrid ARQ. , 2019, , .		33
13	Timely Cloud Computing: Preemption and Waiting. , 2019, , .		31
14	Energy Harvesting Two-Way Channels With Decoding and Processing Costs. IEEE Transactions on Green Communications and Networking, 2017, 1, 3-16.	5.5	30
15	Relay-Aided Secure Broadcasting for Visible Light Communications. IEEE Transactions on Communications, 2019, 67, 4227-4239.	7.8	30
16	Using Erasure Feedback for Online Timely Updating with an Energy Harvesting Sensor. , 2019, , .		28
17	How to Price Fresh Data. , 2019, , .		21
18	Online Fixed Fraction Policies in Energy Harvesting Communication Systems. IEEE Transactions on Wireless Communications, 2018, 17, 2975-2986.	9.2	18

#	ARTICLE	IF	CITATIONS
19	Spatiotemporal Analysis for Age of Information in Random Access Networks Under Last-Come First-Serve With Replacement Protocol. IEEE Transactions on Wireless Communications, 2022, 21, 2813-2829.	9.2	17
20	Delay Minimal Policies in Energy Harvesting Communication Systems. IEEE Transactions on Communications, 2018, 66, 2918-2930.	7.8	16
21	Timely Status Updating Over Erasure Channels Using an Energy Harvesting Sensor: Single and Multiple Sources. IEEE Transactions on Green Communications and Networking, 2022, 6, 6-19.	5.5	16
22	Pricing Fresh Data. IEEE Journal on Selected Areas in Communications, 2021, 39, 1211-1225.	14.0	16
23	Sample, Quantize, and Encode: Timely Estimation Over Noisy Channels. IEEE Transactions on Communications, 2021, 69, 6485-6499.	7.8	15
24	Age of Information in Random Access Networks: A Spatiotemporal Study. , 2020, , .		15
25	Locally Adaptive Scheduling Policy for Optimizing Information Freshness in Wireless Networks. , 2019, , .		12
26	Remote Short Blocklength Process Monitoring: Trade-off Between Resolution and Data Freshness. , 2020, , .		11
27	Timely Estimation Using Coded Quantized Samples. , 2020, , .		11
28	Mobile Energy Harvesting Nodes: Offline and Online Optimal Policies. IEEE Transactions on Green Communications and Networking, 2018, 2, 143-153.	5.5	9
29	Securing Downlink Non-Orthogonal Multiple Access Systems by Trusted Relays. , 2018, , .		9
30	Short Blocklength Process Monitoring and Scheduling: Resolution and Data Freshness. IEEE Transactions on Wireless Communications, 2022, 21, 4669-4681.	9.2	9
31	Optimal and Quantized Mechanism Design for Fresh Data Acquisition. IEEE Journal on Selected Areas in Communications, 2021, 39, 1226-1239.	14.0	8
32	Energy harvesting networks with general utility functions: Near optimal online policies. , 2017, , .		7
33	Single-user and multiple access channels with energy harvesting transmitters and receivers. , 2014, , .		6
34	Delay minimal policies in energy harvesting broadcast channels. , 2016, , .		4
35	Relay-Aided Secure Broadcasting for VLC. , 2018, , .		4
36	Timely Private Information Retrieval. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
37	Energy harvesting cooperative multiple access channel with decoding costs. , 2016, , .		2
38	Downlink Non-Orthogonal Multiple Access Systems With an Untrusted Relay. , 2018, , .		2
39	Optimal Mechanism Design for Fresh Data Acquisition. , 2021, , .		0