

# Derya Malak

## List of Publications by Year in descending order

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21  
papers

527  
citations

840776

11  
h-index

1199594

12  
g-index

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all docs

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docs citations

21  
times ranked

734  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing Content Caching to Maximize the Density of Successful Receptions in Device-to-Device Networking. IEEE Transactions on Communications, 2016, , 1-1.	7.8	80
2	Molecular communication nanonetworks inside human body. Nano Communication Networks, 2012, 3, 19-35.	2.9	76
3	A Communication Theoretical Analysis of Synaptic Multiple-Access Channel in Hippocampal-Cortical Neurons. IEEE Transactions on Communications, 2013, 61, 2457-2467.	7.8	75
4	Optimizing Data Aggregation for Uplink Machine-to-Machine Communication Networks. IEEE Transactions on Communications, 2016, 64, 1274-1290.	7.8	67
5	Spatially Correlated Content Caching for Device-to-Device Communications. IEEE Transactions on Wireless Communications, 2018, 17, 56-70.	9.2	52
6	Rate-Delay Tradeoff With Network Coding in Molecular Nanonetworks. IEEE Nanotechnology Magazine, 2013, 12, 120-128.	2.0	42
7	Tiny Codes for Guaranteeable Delay. IEEE Journal on Selected Areas in Communications, 2019, 37, 809-825.	14.0	31
8	Throughput Maximization for Delay-Sensitive Random Access Communication. IEEE Transactions on Wireless Communications, 2019, 18, 709-723.	9.2	28
9	Adaptive Causal Network Coding With Feedback. IEEE Transactions on Communications, 2020, 68, 4325-4341.	7.8	28
10	Fundamentals of Green Communications and Computing: Modeling and Simulation. Computer, 2012, 45, 40-46.	1.1	16
11	Communication theoretic analysis of the synaptic channel for cortical neurons. Nano Communication Networks, 2013, 4, 131-141.	2.9	14
12	Multi-Source Coded Downloads. , 2019, , .		5
13	Discrete Water Filling Multi-Path Packet Scheduling. , 2020, , .		4
14	How to Distribute Computation in Networks. , 2020, , .		3
15	Enabling Multi-Source Coded Downloads. , 2019, , .		2
16	Spatial Soft-Core Caching. , 2019, , .		1
17	Guesswork for Inference in Machine Translation with Seq2seq Model. , 2019, , .		1
18	Spatial Concentration of Caching in Wireless Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2021, 20, 3397-3414.	9.2	1

#	ARTICLE	IF	CITATIONS
19	Throughput and Delay Analysis for Coded ARQ. , 2019, , .		1
20	Function Load Balancing Over Networks. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 1041-1056.	2.5	0
21	JSAIT Editorial for the Special Issue on "Beyond Errors and Erasures: Coding for Data Management and Delivery in Networks" IEEE Journal on Selected Areas in Information Theory, 2021, 2, 1075-1077.	2.5	0