

Omur Ozel

List of Publications by Citations

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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.

54
papers

2,184
citations

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h-index

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g-index

61
ext. papers

2,629
ext. citations

5.3
avg, IF

5.31
L-index

#	Paper	IF	Citations
54	Transmission with Energy Harvesting Nodes in Fading Wireless Channels: Optimal Policies. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 1732-1743	14.2	755
53	. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 571-583	9.6	208
52	Energy Cooperation in Energy Harvesting Communications. <i>IEEE Transactions on Communications</i> , 2013 , 61, 4884-4898	6.9	189
51	Achieving AWGN Capacity Under Stochastic Energy Harvesting. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 6471-6483	2.8	181
50	Optimal Broadcast Scheduling for an Energy Harvesting Rechargeable Transmitter with a Finite Capacity Battery. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 2193-2203	9.6	148
49	Information-theoretic analysis of an energy harvesting communication system 2010 ,		73
48	Energy cooperation in energy harvesting wireless communications 2012 ,		54
47	Optimal Energy Allocation for Energy Harvesting Transmitters With Hybrid Energy Storage and Processing Cost. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 3232-3245	4.8	53
46	AWGN channel under time-varying amplitude constraints with causal information at the transmitter 2011 ,		51
45	2015 , 53, 126-132		47
44	Binary energy harvesting channel with finite energy storage 2013 ,		39
43	Optimal Energy and Data Routing in Networks With Energy Cooperation. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 857-870	9.6	24
42	Sending Information Through Status Updates 2018 ,		24
41	Gaussian Wiretap Channel With Amplitude and Variance Constraints. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 5553-5563	2.8	23
40	Energy cooperation in energy harvesting two-way communications 2013 ,		23
39	Two-way and multiple-access energy harvesting systems with energy cooperation 2012 ,		21
38	Waiting Before Serving: A Companion to Packet Management in Status Update Systems. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 3864-3877	2.8	21

37	Resource management for fading wireless channels with energy harvesting nodes 2011,		18
36	Adaptive transmission policies for energy harvesting wireless nodes in fading channels 2011,		15
35	Trading Off Computation with Transmission in Status Update Systems 2019,		15
34	The Binary Energy Harvesting Channel With a Unit-Sized Battery. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 4240-4256	2.8	14
33	Optimal transmission schemes for parallel and fading Gaussian broadcast channels with an energy harvesting rechargeable transmitter. <i>Computer Communications</i> , 2013 , 36, 1360-1372	5.1	14
32	2014,		13
31	Gaussian wiretap channel with an amplitude constraint 2012,		12
30	Energy Harvesting Transmitters That Heat Up: Throughput Maximization Under Temperature Constraints. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 5440-5452	9.6	11
29	Broadcasting with a battery limited energy harvesting rechargeable transmitter 2011,		11
28	On the capacity region of the Gaussian MAC with batteryless energy harvesting transmitters 2012,		11
27	A Bernoulli-Gaussian physical watermark for detecting integrity attacks in control systems 2017,		10
26	Optimal Packet Scheduling in a Broadcast Channel with an Energy Harvesting Transmitter 2011,		10
25	Energy harvesting communications under temperature constraints 2016,		8
24	Wiretap Channels: Implications of the More Capable Condition and Cyclic Shift Symmetry. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 2153-2164	2.8	7
23	Capacity of the energy harvesting channel with energy arrival information at the receiver 2014,		7
22	On the Benefits of Waiting in Status Update Systems 2019,		7
21	Active detection for exposing intelligent attacks in control systems 2017,		6
20	State amplification and state masking for the binary energy harvesting channel 2014,		6

19	Timely Status Updating Through Intermittent Sensing and Transmission 2020 ,		6
18	A Tutorial on Detecting Security Attacks on Cyber-Physical Systems 2019 ,		5
17	Network-wide energy efficiency in wireless networks with multiple access points. <i>Transactions on Emerging Telecommunications Technologies</i> , 2013 , 24, 568-581	1.9	5
16	Optimal scheduling for energy harvesting transmitters with hybrid energy storage 2013 ,		5
15	The binary energy harvesting channel with on-off fading 2015 ,		4
14	Gaussian wiretap channel with a batteryless energy harvesting transmitter 2012 ,		4
13	Optimal scheduling over fading broadcast channels with an energy harvesting transmitter 2011 ,		4
12	Optimizing Information Freshness Through Computation-Transmission Tradeoff and Queue Management in Edge Computing. <i>IEEE/ACM Transactions on Networking</i> , 2021 , 29, 949-963	3.8	4
11	. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 6680-6692	9.6	3
10	Physical watermarking for securing cyber physical systems via packet drop injections 2017 ,		2
9	Energy harvesting communications with hybrid energy storage and processing cost 2013 ,		2
8	2017 ,		2
7	Energy state amplification in an energy harvesting communication system 2012 ,		2
6	Active Status Update Packet Drop Control in an Energy Harvesting Node 2020 ,		2
5	Relative Age of Information: A New Metric for Status Update Systems 2019 ,		2
4	Wireless information and energy transfer under temperature constraints 2017 ,		1
3	A power control game with smooth reduction of SINR objectives 2009 ,		1
2	On Age and Value of Information in Status Update Systems 2020 ,		1

- 1 Optimal Buffer Partitioning on a Multiuser Wireless Link. *IEICE Transactions on Communications*, **2011**, E94-B, 3399-3411 0.5