Omur Ozel

List of Publications by Year in Descending Order

54 papers	2,184 citations	18 h-index	46 g-index
61 ext. papers	2,629 ext. citations	5.3 avg, IF	5.31 L-index

#	Paper	IF	Citations
54	Optimizing Information Freshness Through Computation-Transmission Tradeoff and Queue Management in Edge Computing. *IEEE/ACM Transactions on Networking*, **2021**, 29, 949-963	3.8	4
53	Waiting Before Serving: A Companion to Packet Management in Status Update Systems. *IEEE Transactions on Information Theory*, **2020**, 66, 3864-3877	2.8	21
52	Timely Status Updating Through Intermittent Sensing and Transmission **2020**,		6
51	On Age and Value of Information in Status Update Systems **2020**,		1
50	Active Status Update Packet Drop Control in an Energy Harvesting Node **2020**,		2
49	A Tutorial on Detecting Security Attacks on Cyber-Physical Systems **2019**,		5
48	Relative Age of Information: A New Metric for Status Update Systems **2019**,		2
47	On the Benefits of Waiting in Status Update Systems **2019**,		7
46	Trading Off Computation with Transmission in Status Update Systems **2019**,		15
45	. *IEEE Transactions on Wireless Communications*, **2018**, 17, 6680-6692	9.6	3
44	Sending Information Through Status Updates **2018**,		24
43	The Binary Energy Harvesting Channel With a Unit-Sized Battery. *IEEE Transactions on Information Theory*, **2017**, 63, 4240-4256	2.8	14
42	Physical watermarking for securing cyber physical systems via packet drop injections **2017**,		2
41	Wireless information and energy transfer under temperature constraints **2017**,		1
40	Active detection for exposing intelligent attacks in control systems **2017**,		6
39	**2017**,		2
38	A Bernoulli-Gaussian physical watermark for detecting integrity attacks in control systems **2017**,		10

37	Optimal Energy and Data Routing in Networks With Energy Cooperation. *IEEE Transactions on Wireless Communications*, **2016**, 15, 857-870	9.6	24
36	Energy harvesting communications under temperature constraints **2016**,		8
35	Energy Harvesting Transmitters That Heat Up: Throughput Maximization Under Temperature Constraints. *IEEE Transactions on Wireless Communications*, **2016**, 15, 5440-5452	9.6	11
34	**2015**, 53, 126-132		47
33	Gaussian Wiretap Channel With Amplitude and Variance Constraints. *IEEE Transactions on Information Theory*, **2015**, 61, 5553-5563	2.8	23
32	The binary energy harvesting channel with on-off fading **2015**,		4
31	Optimal Energy Allocation for Energy Harvesting Transmitters With Hybrid Energy Storage and Processing Cost. *IEEE Transactions on Signal Processing*, **2014**, 62, 3232-3245	4.8	53
30	**2014**,		13
29	State amplification and state masking for the binary energy harvesting channel **2014**,		6
28	Capacity of the energy harvesting channel with energy arrival information at the receiver **2014**,		7
27	Network-wide energy efficiency in wireless networks with multiple access points. *Transactions on Emerging Telecommunications Technologies*, **2013**, 24, 568-581	1.9	5
26	Energy cooperation in energy harvesting two-way communications **2013**,		23
25	Wiretap Channels: Implications of the More Capable Condition and Cyclic Shift Symmetry. *IEEE Transactions on Information Theory*, **2013**, 59, 2153-2164	2.8	7
24	Energy harvesting communications with hybrid energy storage and processing cost **2013**,		2
23	Optimal transmission schemes for parallel and fading Gaussian broadcast channels with an energy harvesting rechargeable transmitter. *Computer Communications*, **2013**, 36, 1360-1372	5.1	14
22	Energy Cooperation in Energy Harvesting Communications. *IEEE Transactions on Communications*, **2013**, 61, 4884-4898	6.9	189
21	Optimal scheduling for energy harvesting transmitters with hybrid energy storage **2013**,		5
20	Binary energy harvesting channel with finite energy storage **2013**,		39

19	. *IEEE Transactions on Wireless Communications*, **2012**, 11, 571-583	9.6	208
18	Optimal Broadcast Scheduling for an Energy Harvesting Rechargeable Transmitter with a Finite Capacity Battery. *IEEE Transactions on Wireless Communications*, **2012**, 11, 2193-2203	9.6	148
17	Gaussian wiretap channel with an amplitude constraint **2012**,		12
16	Two-way and multiple-access energy harvesting systems with energy cooperation **2012**,		21
15	Gaussian wiretap channel with a batteryless energy harvesting transmitter **2012**,		4
14	Achieving AWGN Capacity Under Stochastic Energy Harvesting. *IEEE Transactions on Information Theory*, **2012**, 58, 6471-6483	2.8	181
13	On the capacity region of the Gaussian MAC with batteryless energy harvesting transmitters **2012**,		11
12	Energy cooperation in energy harvesting wireless communications **2012**,		54
11	Energy state amplification in an energy harvesting communication system **2012**,		2
10	AWGN channel under time-varying amplitude constraints with causal information at the transmitter **2011**,		51
9	Optimal Buffer Partitioning on a Multiuser Wireless Link. *IEICE Transactions on Communications*, **2011**, E94-B, 3399-3411	0.5	
8	Transmission with Energy Harvesting Nodes in Fading Wireless Channels: Optimal Policies. *IEEE Journal on Selected Areas in Communications*, **2011**, 29, 1732-1743	14.2	755
7	Optimal scheduling over fading broadcast channels with an energy harvesting transmitter **2011**,		4
6	Resource management for fading wireless channels with energy harvesting nodes **2011**,		18
5	Adaptive transmission policies for energy harvesting wireless nodes in fading channels **2011**,		15
4	Optimal Packet Scheduling in a Broadcast Channel with an Energy Harvesting Transmitter **2011**,		10
3	Broadcasting with a battery limited energy harvesting rechargeable transmitter **2011**,		11
2	Information-theoretic analysis of an energy harvesting communication system **2010**,		73

List of Publications

1 A power control game with smooth reduction of SINR objectives **2009**, 1