

Onur Ozan Koyluoglu

List of Publications by Year in descending order

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44
papers

1,009
citations

687363

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794594

19
g-index

45
all docs

45
docs citations

45
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Locally Repairable and Secure Codes for Distributed Storage Systems. IEEE Transactions on Information Theory, 2014, 60, 212-236.	2.4	194
2	Interference Alignment for Secrecy. IEEE Transactions on Information Theory, 2011, 57, 3323-3332.	2.4	142
3	Cooperative Encoding for Secrecy in Interference Channels. IEEE Transactions on Information Theory, 2011, 57, 5682-5694.	2.4	64
4	Polar Coding for Secure Transmission and Key Agreement. IEEE Transactions on Information Forensics and Security, 2012, 7, 1472-1483.	6.9	60
5	Polar coding for secure transmission and key agreement. , 2010, , .		43
6	Progress on high-rate MSR codes: Enabling arbitrary number of helper nodes. , 2016, , .		40
7	A General Construction for PMDS Codes. IEEE Communications Letters, 2017, 21, 452-455.	4.1	38
8	Exploiting Full-Duplex Receivers for Achieving Secret Communications in Multiuser MISO Networks. IEEE Transactions on Communications, 2017, 65, 956-968.	7.8	38
9	Polar Coding for Fading Channels: Binary and Exponential Channel Cases. IEEE Transactions on Communications, 2014, 62, 2638-2650.	7.8	35
10	Achievable Secrecy Rate Regions for the Two-Way Wiretap Channel. IEEE Transactions on Information Theory, 2013, 59, 8099-8114.	2.4	30
11	On the secure degrees of freedom in the K-user Gaussian interference channel. , 2008, , .		29
12	Centralized Repair of Multiple Node Failures With Applications to Communication Efficient Secret Sharing. IEEE Transactions on Information Theory, 2018, 64, 7529-7550.	2.4	27
13	Secure Cooperative Regenerating Codes for Distributed Storage Systems. IEEE Transactions on Information Theory, 2014, 60, 5228-5244.	2.4	26
14	Vulnerabilities of Massive MIMO Systems to Pilot Contamination Attacks. IEEE Transactions on Information Forensics and Security, 2019, 14, 1251-1263.	6.9	26
15	Fundamental bound on the persistence and capacity of short-term memory stored as graded persistent activity. ELife, 2017, 6, .	6.0	26
16	On the delay limited secrecy capacity of fading channels. , 2009, , .		24
17	Gradient Coding Based on Block Designs for Mitigating Adversarial Stragglers. , 2019, , .		20
18	On the secrecy rate region for the interference channel. , 2008, , .		16

#	ARTICLE	IF	CITATIONS
19	Opportunistic Secrecy with a Strict Delay Constraint. IEEE Transactions on Communications, 2013, 61, 4700-4709.	7.8	16
20	State Amplification Subject to Masking Constraints. IEEE Transactions on Information Theory, 2016, 62, 6233-6250.	2.4	11
21	New achievable secrecy rate regions for the two way wiretap channel. , 2010, , .		10
22	On the individual secrecy rate region for the broadcast channel with an external eavesdropper. , 2015, , .		10
23	A new achievable rate region for the discrete memoryless X channel. , 2009, , .		9
24	Secrecy games over the cognitive channel. , 2010, , .		7
25	Hierarchical Polar Coding for Achieving Secrecy Over State-Dependent Wiretap Channels Without Any Instantaneous CSI. IEEE Transactions on Communications, 2016, 64, 3609-3623.	7.8	7
26	Pilot contamination attacks in massive MIMO systems. , 2017, , .		7
27	Receiver-Based Friendly Jamming with Single-Antenna Full-Duplex Receivers in a Multiuser Broadcast Channel. , 2015, , .		6
28	Individual Secrecy for the Broadcast Channel. IEEE Transactions on Information Theory, 2017, , 1-1.	2.4	6
29	Communication-Efficient Gradient Coding for Straggler Mitigation in Distributed Learning. , 2020, , .		6
30	Centralized repair of multiple node failures. , 2016, , .		5
31	Individual Secrecy for Broadcast Channels With Receiver Side Information. IEEE Transactions on Information Theory, 2017, 63, 4687-4708.	2.4	5
32	Joint secrecy over the K-transmitter multiple access channel. , 2017, , .		4
33	Collective Secrecy Over the $\sum_{k=1}^K x_k$ -Transmitter Multiple Access Channel. IEEE Transactions on Information Forensics and Security, 2018, 13, 2279-2293.	6.9	4
34	On the individual secrecy for Gaussian broadcast channels with receiver side information. , 2015, , .		3
35	Repair Strategies for Mobile Storage Systems. IEEE Transactions on Cloud Computing, 2019, , 1-1.	4.4	3
36	On the Utility of Frequency Reuse in Cognitive Radio Channels. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
37	Proactive source coding. , 2011, , .		2
38	Receiver-Based Friendly Jamming with Single-Antenna Full-Duplex Receivers in a Multiuser Broadcast Channel. , 2014, , .		2
39	Secure regenerating codes for hybrid cloud storage systems. , 2017, , .		2
40	Joint interference cancellation and dirty paper coding for cognitive cellular networks. , 2011, , .		1
41	On the degrees of freedom of the cognitive broadcast channel. , 2011, , .		1
42	Repairable Block Failure Resilient codes. , 2014, , .		1
43	Threshold-Based File Maintenance Strategies for Mobile Cloud Storage Systems. , 2016, , .		1
44	On the Organization of Grid and Place Cells: Neural Denoising via Subspace Learning. Neural Computation, 2019, 31, 1519-1550.	2.2	0