

Muriel Medard

List of Publications by Year in descending order

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30
papers

1,736
citations

933447

10
h-index

1199594

12
g-index

30
all docs

30
docs citations

30
times ranked

1088
citing authors

#	ARTICLE	IF	CITATIONS
1	XORs in the air. , 2006, , .		480
2	On coding for reliable communication over packet networks. Physical Communication, 2008, 1, 3-20.	2.1	368
3	Network Coding Meets TCP: Theory and Implementation. Proceedings of the IEEE, 2011, 99, 490-512.	21.3	205
4	Codecast: a network-coding-based ad hoc multicast protocol. IEEE Wireless Communications, 2006, 13, 76-81.	9.0	192
5	Symbol-level network coding for wireless mesh networks. Computer Communication Review, 2008, 38, 401-412.	1.8	142
6	On Coding for Delayâ€”Network Coding for Time-Division Duplexing. IEEE Transactions on Information Theory, 2012, 58, 2330-2348.	2.4	57
7	A feedback-based adaptive broadcast coding scheme for reducing in-order delivery delay. , 2009, , .		38
8	Feedback-Based Online Network Coding. IEEE Transactions on Information Theory, 2017, 63, 6628-6649.	2.4	34
9	On counteracting Byzantine attacks in network coded peer-to-peer networks. IEEE Journal on Selected Areas in Communications, 2010, 28, 692-702.	14.0	30
10	Algebraic Watchdog: Mitigating Misbehavior in Wireless Network Coding. IEEE Journal on Selected Areas in Communications, 2011, 29, 1916-1925.	14.0	23
11	Collision Helps - Algebraic Collision Recovery for Wireless Erasure Networks. , 2010, , .		19
12	Network coding mythbusting: why it is not about butterflies anymore. , 2014, 52, 177-183.		19
13	A Theory of Network Equivalence â€” Part II: Multiterminal Channels. IEEE Transactions on Information Theory, 2014, 60, 3709-3732.	2.4	17
14	Algebraic network coding approach to deterministic wireless relay networks. , 2010, , .		16
15	Optimality of network coding with buffers. , 2011, , .		13
16	Network Coding in the Link Layer for Reliable Narrowband Powerline Communications. IEEE Journal on Selected Areas in Communications, 2016, 34, 1965-1977.	14.0	13
17	One packet suffices - Highly efficient packetized Network Coding With finite memory. , 2011, , .		11
18	Secure Multi-Source Multicast. IEEE Transactions on Communications, 2019, 67, 708-723.	7.8	10

#	ARTICLE	IF	CITATIONS
19	Random Linear Network Coding on Programmable Switches. , 2019, , .		9
20	Network Coding as a WiMAX Link Reliability Mechanism. Lecture Notes in Computer Science, 2012, , 1-12.	1.3	9
21	Delay constrained throughput-reliability tradeoff in network-coded wireless systems. , 2014, , .		7
22	Delay-Aware Coding in Multi-Hop Line Networks. , 2019, , .		7
23	Acknowledgement design for collision-recovery-enabled wireless erasure networks. , 2010, , .		6
24	Counteracting Byzantine adversaries with network coding: An overhead analysis. , 2008, , .		5
25	A novel network coded parallel transmission framework for high-speed Ethernet. , 2013, , .		2
26	Network reduction for coded multiple-hop networks. , 2015, , .		2
27	Integrating network coding into heterogeneous wireless networks. , 2008, , .		1
28	Robust Improvement of the Age of Information by Adaptive Packet Coding. , 2021, , .		1
29	The Scientific Legacy of Ralf Koetter. IEEE Transactions on Information Theory, 2011, 57, 589-592.	2.4	0
30	Cross-layer design of network-coded transmission with a delay constraint. , 2015, , .		0