

Michelle Effros

List of Publications by Year in descending order

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69
times ranked

344
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Gaussian Multiple and Random Access Channels: Finite-Blocklength Analysis. IEEE Transactions on Information Theory, 2021, 67, 6983-7009. | 2.4 | 9 |
| 2 | Random Access Channel Coding in the Finite Blocklength Regime. IEEE Transactions on Information Theory, 2021, 67, 2115-2140. | 2.4 | 14 |
| 3 | Nested LDPC Codes for Random Access Communication. , 2021, , . | | 0 |
| 4 | Variable-length Feedback Codes with Several Decoding Times for the Gaussian Channel. , 2021, , . | | 3 |
| 5 | Every Bit Counts: Second-Order Analysis of Cooperation in the Multiple-Access Channel. , 2021, , . | | 1 |
| 6 | The Birthday Problem and Zero-Error List Codes. IEEE Transactions on Information Theory, 2021, 67, 5791-5803. | 2.4 | 0 |
| 7 | Negligible Cooperation: Contrasting the Maximal- and Average-Error Cases. IEEE Transactions on Information Theory, 2021, 67, 5885-5902. | 2.4 | 0 |
| 8 | Nested Sparse Feedback Codes for Point-to-Point, Multiple Access, and Random Access Channels. , 2021, , . | | 1 |
| 9 | Finite-Blocklength and Error-Exponent Analyses for LDPC Codes in Point-to-Point and Multiple Access Communication. , 2020, , . | | 5 |
| 10 | Lossless Source Coding in the Point-to-Point, Multiple Access, and Random Access Scenarios. IEEE Transactions on Information Theory, 2020, 66, 6688-6722. | 2.4 | 7 |
| 11 | Universal Privacy Guarantees for Smart Meters. , 2019, , . | | 3 |
| 12 | Lossless Source Coding in the Point-to-Point, Multiple Access, and Random Access Scenarios. , 2019, , . | | 5 |
| 13 | Can Negligible Rate Increase Network Reliability?. IEEE Transactions on Information Theory, 2018, 64, 4282-4293. | 2.4 | 4 |
| 14 | The Unbounded Benefit of Encoder Cooperation for the k-User MAC. IEEE Transactions on Information Theory, 2018, 64, 3655-3678. | 2.4 | 9 |
| 15 | Random Access Channel Coding in the Finite Blocklength Regime. , 2018, , . | | 14 |
| 16 | Can negligible cooperation increase network reliability?. , 2016, , . | | 6 |
| 17 | On the Capacity Advantage of a Single Bit. , 2016, , . | | 7 |
| 18 | Separation of Source-Network Coding and Channel Coding in Wireline Networks. IEEE Transactions on Information Theory, 2015, 61, 1524-1538. | 2.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | On the power of cooperation: Can a little help a lot?. , 2014, , . | | 11 |
| 20 | Is there a canonical network for network information theory?. , 2014, , . | | 1 |
| 21 | A Theory of Network Equivalence “ Part II: Multiterminal Channels. IEEE Transactions on Information Theory, 2014, 60, 3709-3732. | 2.4 | 17 |
| 22 | Efficient pooling against strategic adversary with applications in anonymous and reliable networking. , 2014, , . | | 0 |
| 23 | Outer bounds and a functional study of the edge removal problem. , 2013, , . | | 7 |
| 24 | Capacity region of multi-resolution streaming in peer-to-peer networks. , 2013, , . | | 0 |
| 25 | On network coding capacity under on-off scheduling. , 2012, , . | | 4 |
| 26 | Peer-to-peer anonymous networking using coding. , 2012, , . | | 1 |
| 27 | The Price of Selfishness in Network Coding. IEEE Transactions on Information Theory, 2012, 58, 2349-2361. | 2.4 | 26 |
| 28 | On the impact of a single edge on the network coding capacity. , 2011, , . | | 41 |
| 29 | Separation of source-network coding and channel coding in wireline networks. , 2011, , . | | 3 |
| 30 | On distortion bounds for dependent sources over wireless networks. , 2011, , . | | 1 |
| 31 | On capacity bounds for networks containing two-way channels. , 2011, , . | | 1 |
| 32 | Network Error Correction With Unequal Link Capacities. IEEE Transactions on Information Theory, 2011, 57, 1144-1164. | 2.4 | 19 |
| 33 | Multiple-Access Network Information-Flow and Correction Codes. IEEE Transactions on Information Theory, 2011, 57, 1067-1079. | 2.4 | 16 |
| 34 | A strong converse in source coding for super-source networks. , 2011, , . | | 9 |
| 35 | Generalizing Capacity: New Definitions and Capacity Theorems for Composite Channels. IEEE Transactions on Information Theory, 2010, 56, 3069-3087. | 2.4 | 36 |
| 36 | On zero-error source coding with feedback. , 2010, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
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| 37 | On equivalence between network topologies. , 2010, , . | | 33 |
| 38 | Optimal reverse carpooling over wireless networks - a distributed optimization approach. , 2010, , . | | 16 |
| 39 | New results on network error correction: Capacities and upper bounds. , 2010, , . | | 15 |
| 40 | On capacity outer bounds for a simple family of wireless networks. , 2010, , . | | 9 |
| 41 | Capacity bounds for networks of broadcast channels. , 2010, , . | | 4 |
| 42 | On the separation of lossy source-network coding and channel coding in wireline networks. , 2010, , . | | 12 |
| 43 | Beyond network equivalence. , 2009, , . | | 4 |
| 44 | On the delay of network coding over line networks. , 2009, , . | | 27 |
| 45 | On networks with side information. , 2009, , . | | 9 |
| 46 | A strong converse for a collection of network source coding problems. , 2009, , . | | 33 |
| 47 | On feedback in network source coding. , 2009, , . | | 1 |
| 48 | On Lossless Coding With Coded Side Information. IEEE Transactions on Information Theory, 2009, 55, 3284-3296. | 2.4 | 12 |
| 49 | A game theoretic approach to network coding. , 2009, , . | | 13 |
| 50 | The price of selfishness in network coding. , 2009, , . | | 14 |
| 51 | Linearly representable entropy vectors and their relation to network coding solutions. , 2009, , . | | 1 |
| 52 | Network error correction with unequal link capacities. , 2009, , . | | 17 |
| 53 | Quantization as Histogram Segmentation: Optimal Scalar Quantizer Design in Network Systems. IEEE Transactions on Information Theory, 2008, 54, 344-366. | 2.4 | 49 |
| 54 | Network coding with periodic recomputation for minimum energy multicasting in mobile ad-hoc networks. , 2008, , . | | 2 |

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|----|--|-----|-----------|
| 55 | Distributed design of network codes for wireless multiple unicasts. , 2008, , . | | 0 |
| 56 | Generalized Capacity and Source-Channel Coding for Packet Erasure Channels. , 2008, , . | | 3 |
| 57 | On achievable rates for multicast in the presence of side information. , 2008, , . | | 14 |
| 58 | A continuity theory for lossless source coding over networks. , 2008, , . | | 8 |
| 59 | On robust network coding subgraph construction under uncertainty. , 2008, , . | | 2 |
| 60 | Distortion Metrics of Composite Channels with Receiver Side Information. , 2007, , . | | 3 |
| 61 | On Network Coding of Independent and Dependent Sources in Line Networks. , 2007, , . | | 9 |
| 62 | Capacity Definitions of General Channels with Receiver Side Information. , 2007, , . | | 23 |
| 63 | On Source Coding with Coded Side Information for a Binary Source with Binary Side Information. , 2007, , . | | 18 |
| 64 | On Approximating the Rate Region for Source Coding with Coded Side Information. , 2007, , . | | 5 |
| 65 | Network Source Coding: Pipe Dream or Promise?. , 2007, , . | | 2 |
| 66 | A Practical Scheme for Wireless Network Operation. IEEE Transactions on Communications, 2007, 55, 463-476. | 7.8 | 11 |
| 67 | On Separation for Multiple Access Channels. , 2006, , . | | 6 |
| 68 | Low Complexity Encoding for Network Codes. , 2006, , . | | 34 |
| 69 | On the Concavity of Rate Regions for Lossless Source Coding in Networks. , 2006, , . | | 2 |