

Mihai-Alin Badiu

List of Publications by Year in descending order

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29
papers

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467
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Framework for Characterizing the Value of Information in Hidden Markov Models. IEEE Transactions on Information Theory, 2022, 68, 5203-5216. | 1.5 | 10 |
| 2 | Outage Probability Analysis of STAR-RIS Assisted NOMA Network With Correlated Channels. IEEE Communications Letters, 2022, 26, 1774-1778. | 2.5 | 27 |
| 3 | On the Value of Information and Mean Squared Error for Noisy Gaussian Models. IEEE Communications Letters, 2022, 26, 2023-2026. | 2.5 | 1 |
| 4 | Self-organization scheme for balanced routing in large-scale multi-hop networks. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 045001. | 0.7 | 3 |
| 5 | Outage Probability Analysis of RIS-Assisted Wireless Networks With Von Mises Phase Errors. IEEE Wireless Communications Letters, 2021, 10, 2737-2741. | 3.2 | 20 |
| 6 | Relationship between Age and Value of Information for a Noisy Ornstein-Uhlenbeck Process. Entropy, 2021, 23, 940. | 1.1 | 3 |
| 7 | Kolmogorov Basic Graphs and Their Application in Network Complexity Analysis. Entropy, 2021, 23, 1604. | 1.1 | 2 |
| 8 | Chernoff Bound and Saddlepoint Approximation for Outage Probability in IRS-Assisted Wireless Systems. , 2021, , . | | 8 |
| 9 | Communication Through a Large Reflecting Surface With Phase Errors. IEEE Wireless Communications Letters, 2020, 9, 184-188. | 3.2 | 163 |
| 10 | Statistical Properties of Transmissions Subject to Rayleigh Fading and Ornstein-Uhlenbeck Mobility. IEEE Transactions on Mobile Computing, 2020, , 1-1. | 3.9 | 1 |
| 11 | Study of Intelligent Reflective Surface Assisted Communications with One-bit Phase Adjustments. , 2020, , . | | 24 |
| 12 | A Value of Information Framework for Latent Variable Models. , 2020, , . | | 4 |
| 13 | Binary-Tree Encoding for Uniform Binary Sources in Index Modulation Systems. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1270-1285. | 7.3 | 8 |
| 14 | Quantifying Link Stability in Ad Hoc Wireless Networks Subject to Ornstein-Uhlenbeck Mobility. , 2019, , . | | 6 |
| 15 | Grid-less variational Bayesian line spectral estimation with multiple measurement vectors. Signal Processing, 2019, 161, 155-164. | 2.1 | 25 |
| 16 | On the Distribution of Random Geometric Graphs. , 2018, , . | | 3 |
| 17 | Entropy Rate of Time-Varying Wireless Networks. , 2018, , . | | 2 |
| 18 | An Iterative Receiver for OFDM With Sparsity-Based Parametric Channel Estimation. IEEE Transactions on Signal Processing, 2018, 66, 5454-5469. | 3.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | On the conditional entropy of wireless networks. , 2018, , . | | 4 |
| 20 | Variational Bayesian Inference of Line Spectra. IEEE Transactions on Signal Processing, 2017, 65, 2247-2261. | 3.2 | 61 |
| 21 | A unified message-passing algorithm for MIMO-SDMA in software-defined radio. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, . | 1.5 | 6 |
| 22 | Link adaptation algorithm for distributed coded transmissions in cooperative OFDMA systems. Telecommunication Systems, 2015, 59, 477-489. | 1.6 | 3 |
| 23 | Sparse estimation using Bayesian hierarchical prior modeling for real and complex linear models. Signal Processing, 2015, 115, 94-109. | 2.1 | 38 |
| 24 | Interference alignment using variational mean field annealing. , 2014, , . | | 0 |
| 25 | Message-Passing Receiver Architecture with Reduced-Complexity Channel Estimation. IEEE Communications Letters, 2013, 17, 1404-1407. | 2.5 | 14 |
| 26 | Merging Belief Propagation and the Mean Field Approximation: A Free Energy Approach. IEEE Transactions on Information Theory, 2013, 59, 588-602. | 1.5 | 73 |
| 27 | Distributed iterative processing for interference channels with receiver cooperation. , 2012, , . | | 2 |
| 28 | Link adaptation algorithm for distributed coded transmissions in relay-aided OFDMA systems. , 2012, , . | | 1 |
| 29 | Link performance prediction methods for cooperative relaying in wireless networks. , 2010, , . | | 6 |