

Mihai-Alin Badiu

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

528
citations

933264

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839398

18
g-index

29
all docs

29
docs citations

29
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Communication Through a Large Reflecting Surface With Phase Errors. IEEE Wireless Communications Letters, 2020, 9, 184-188.	3.2	163
2	Merging Belief Propagation and the Mean Field Approximation: A Free Energy Approach. IEEE Transactions on Information Theory, 2013, 59, 588-602.	1.5	73
3	Variational Bayesian Inference of Line Spectra. IEEE Transactions on Signal Processing, 2017, 65, 2247-2261.	3.2	61
4	Sparse estimation using Bayesian hierarchical prior modeling for real and complex linear models. Signal Processing, 2015, 115, 94-109.	2.1	38
5	Outage Probability Analysis of STAR-RIS Assisted NOMA Network With Correlated Channels. IEEE Communications Letters, 2022, 26, 1774-1778.	2.5	27
6	Grid-less variational Bayesian line spectral estimation with multiple measurement vectors. Signal Processing, 2019, 161, 155-164.	2.1	25
7	Study of Intelligent Reflective Surface Assisted Communications with One-bit Phase Adjustments. , 2020, , .		24
8	Outage Probability Analysis of RIS-Assisted Wireless Networks With Von Mises Phase Errors. IEEE Wireless Communications Letters, 2021, 10, 2737-2741.	3.2	20
9	Message-Passing Receiver Architecture with Reduced-Complexity Channel Estimation. IEEE Communications Letters, 2013, 17, 1404-1407.	2.5	14
10	An Iterative Receiver for OFDM With Sparsity-Based Parametric Channel Estimation. IEEE Transactions on Signal Processing, 2018, 66, 5454-5469.	3.2	10
11	A Framework for Characterizing the Value of Information in Hidden Markov Models. IEEE Transactions on Information Theory, 2022, 68, 5203-5216.	1.5	10
12	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
13	Chernoff Bound and Saddlepoint Approximation for Outage Probability in IRS-Assisted Wireless Systems. , 2021, , .		8
14	Link performance prediction methods for cooperative relaying in wireless networks. , 2010, , .		6
15	A unified message-passing algorithm for MIMO-SDMA in software-defined radio. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, , .	1.5	6
16	Quantifying Link Stability in Ad Hoc Wireless Networks Subject to Ornstein-Uhlenbeck Mobility. , 2019, , .		6
17	On the conditional entropy of wireless networks. , 2018, , .		4
18	A Value of Information Framework for Latent Variable Models. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	Link adaptation algorithm for distributed coded transmissions in cooperative OFDMA systems. Telecommunication Systems, 2015, 59, 477-489.	1.6	3
20	On the Distribution of Random Geometric Graphs. , 2018, , .		3
21	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
22	Relationship between Age and Value of Information for a Noisy Ornstein-Uhlenbeck Process. Entropy, 2021, 23, 940.	1.1	3
23	Distributed iterative processing for interference channels with receiver cooperation. , 2012, , .		2
24	Entropy Rate of Time-Varying Wireless Networks. , 2018, , .		2
25	Kolmogorov Basic Graphs and Their Application in Network Complexity Analysis. Entropy, 2021, 23, 1604.	1.1	2
26	Link adaptation algorithm for distributed coded transmissions in relay-aided OFDMA systems. , 2012, , .		1
27	Statistical Properties of Transmissions Subject to Rayleigh Fading and Ornstein-Uhlenbeck Mobility. IEEE Transactions on Mobile Computing, 2020, , 1-1.	3.9	1
28	On the Value of Information and Mean Squared Error for Noisy Gaussian Models. IEEE Communications Letters, 2022, 26, 2023-2026.	2.5	1
29	Interference alignment using variational mean field annealing. , 2014, , .		0