

Marian Codreanu

List of Publications by Year in descending order

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81
papers

2,244
citations

394421

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42
g-index

81
all docs

81
docs citations

81
times ranked

1583
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Age of Information in Status Update Systems With Packet Management. IEEE Transactions on Information Theory, 2016, 62, 1897-1910.	2.4	470
2	Age of information with packet management. , 2014, , .		252
3	Joint Design of Tx-Rx Beamformers in MIMO Downlink Channel. IEEE Transactions on Signal Processing, 2007, 55, 4639-4655.	5.3	128
4	Cooperative MIMO-OFDM Cellular System with Soft Handover Between Distributed Base Station Antennas. IEEE Transactions on Wireless Communications, 2008, 7, 1428-1440.	9.2	116
5	Resource Allocation for Cross-Layer Utility Maximization in Wireless Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 2790-2809.	6.3	116
6	On the Age of Information in Multi-Source Queueing Models. IEEE Transactions on Communications, 2020, 68, 5003-5017.	7.8	89
7	Weighted Sum-Rate Maximization for a Set of Interfering Links via Branch and Bound. IEEE Transactions on Signal Processing, 2011, 59, 3977-3996.	5.3	84
8	Distributed resource allocation for MISO downlink systems via the alternating direction method of multipliers. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	82
9	Sequential Compressed Sensing With Progressive Signal Reconstruction in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2015, 14, 1622-1635.	9.2	73
10	Weighted Sum-Rate Maximization for MISO Downlink Cellular Networks via Branch and Bound. IEEE Transactions on Signal Processing, 2012, 60, 2090-2095.	5.3	65
11	Distributed Joint Resource and Routing Optimization in Wireless Sensor Networks via Alternating Direction Method of Multipliers. IEEE Transactions on Wireless Communications, 2013, 12, 5454-5467.	9.2	60
12	Linear Multiuser MIMO Transceiver Design With Quality of Service and Per-Antenna Power Constraints. IEEE Transactions on Signal Processing, 2008, 56, 3049-3055.	5.3	55
13	Average Aol in Multi-Source Systems With Source-Aware Packet Management. IEEE Transactions on Communications, 2021, 69, 1121-1133.	7.8	40
14	Aol Minimization in Status Update Control With Energy Harvesting Sensors. IEEE Transactions on Communications, 2021, 69, 8335-8351.	7.8	35
15	Distributed Distortion-Rate Optimized Compressed Sensing in Wireless Sensor Networks. IEEE Transactions on Communications, 2018, 66, 1609-1623.	7.8	33
16	Dynamic Inter-Operator Spectrum Sharing via Lyapunov Optimization. IEEE Transactions on Wireless Communications, 2017, 16, 6365-6381.	9.2	25
17	Average Age of Information for a Multi-Source M/M/1 Queueing Model With Packet Management. , 2020, , .		25
18	Moment Generating Function of the Aol in a Two-Source System With Packet Management. IEEE Wireless Communications Letters, 2021, 10, 882-886.	5.0	24

#	ARTICLE	IF	CITATIONS
19	Worst Case Age of Information in Wireless Sensor Networks: A Multi-Access Channel. IEEE Wireless Communications Letters, 2020, 9, 321-325.	5.0	23
20	Multicell MISO Downlink Weighted Sum-Rate Maximization: A Distributed Approach. IEEE Transactions on Signal Processing, 2013, 61, 556-570.	5.3	22
21	Minimum SINR Maximization for Multiuser MIMO Downlink with Per BS Power Constraints. , 2007, , .		21
22	Power Minimization for Age of Information Constrained Dynamic Control in Wireless Sensor Networks. IEEE Transactions on Communications, 2022, 70, 419-432.	7.8	21
23	Closed-Form Expression for the Average Age of Information in a Multi-Source M/G/1 Queueing Model. , 2019, , .		20
24	Optimal Sampling Cost in Wireless Networks with Age of Information Constraints. , 2020, , .		20
25	Age-Aware Status Update Control for Energy Harvesting IoT Sensors via Reinforcement Learning. , 2020, , .		18
26	Low-Complexity Iterative Algorithm for Finding the MIMO-OFDM Broadcast Channel Sum Capacity. IEEE Transactions on Communications, 2007, 55, 48-53.	7.8	16
27	On the Effect of Self-Interference Cancellation in MultiHop Wireless Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	16
28	EXIT Chart-Based Power Allocation for Iterative Frequency Domain MIMO Detector. IEEE Transactions on Signal Processing, 2011, 59, 1624-1641.	5.3	16
29	The Stability Property of Cognitive Radio Systems with Imperfect Sensing. IEEE Journal on Selected Areas in Communications, 2014, 32, 628-640.	14.0	16
30	Power Minimization in Wireless Sensor Networks With Constrained AoI Using Stochastic Optimization. , 2019, , .		16
31	Compensation of non-reciprocal interference in adaptive MIMO-OFDM cellular systems. IEEE Transactions on Wireless Communications, 2007, 6, 545-555.	9.2	14
32	A robust beamformer design for underlay cognitive radio networks using worst case optimization. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	14
33	Throughput-Efficient Dynamic Coalition Formation in Distributed Cognitive Radio Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	13
34	Distributed sparse diffusion estimation with reduced communication cost. IET Signal Processing, 2018, 12, 1043-1052.	1.5	12
35	Compressed Sensing with Applications in Wireless Networks. Foundations and Trends in Signal Processing, 2019, 13, 1-282.	18.0	12
36	Rate-Distortion Performance of Lossy Compressed Sensing of Sparse Sources. IEEE Transactions on Communications, 2018, , 1-1.	7.8	11

#	ARTICLE	IF	CITATIONS
37	Distributed correlated data gathering in wireless sensor networks via compressed sensing. , 2013, , .		10
38	Compressed acquisition and progressive reconstruction of multi-dimensional correlated data in wireless sensor networks. , 2014, , .		10
39	Maximization of Worst-Case Weighted Sum-Rate for MISO Downlink Systems With Imperfect Channel Knowledge. IEEE Transactions on Communications, 2015, 63, 3671-3685.	7.8	10
40	Admission Control Algorithms for QoS-Constrained Multicell MISO Downlink Systems. IEEE Transactions on Wireless Communications, 2018, 17, 1982-1999.	9.2	10
41	Distributed sparse diffusion estimation based on set membership and affine projection algorithm. , 2018, 73, 47-61.		10
42	A Bayesian Approach for Online Recovery of Streaming Signals from Compressive Measurements. IEEE Transactions on Signal Processing, 2016, , 1-1.	5.3	9
43	Compressive sensed video recovery via iterative thresholding with random transforms. IET Image Processing, 2020, 14, 1187-1199.	2.5	9
44	Powerâ€œThroughput Tradeoff in MIMO Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2014, 13, 4309-4322.	9.2	8
45	On the Dual-Decomposition-Based Sum Capacity Maximization for Vector Broadcast Channels. IEEE Transactions on Vehicular Technology, 2007, 56, 3577-3581.	6.3	7
46	Moment Generating Function of the Aol in Multi-Source Systems with Computation-Intensive Status Updates. , 2021, , .		7
47	Resource allocation for OFDMA-based relay assisted two-tier femtocell networks. , 2011, , .		6
48	Average Age of Information in a Multi-Source M/M/1 Queueing Model with LCFS Prioritized Packet Management. , 2020, , .		6
49	Consensus based distributed joint power and routing optimization in wireless sensor networks. , 2012, , .		5
50	Channel-robust compressed sensing via vector pre-quantization in wireless sensor networks. , 2015, , .		5
51	Error Concealment for 3-D DWT Based Video Codec Using Iterative Thresholding. IEEE Communications Letters, 2017, 21, 1731-1734.	4.1	5
52	WLC14-2: Adaptive MIMO-OFDM Cellular System with Soft Handover between Distributed Base Station Antennas. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
53	Soft Handover in Adaptive MIMO-OFDM Cellular System with Cooperative Processing. , 2006, , .		4
54	Distributed variable-rate quantized compressed sensing in wireless sensor networks. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
55	An Exact Expression for the Average Aol in a Multi-Source M/M/1 Queueing Model. , 2020, , .		4
56	Low-Complexity Vector Quantized Compressed Sensing via Deep Neural Networks. IEEE Open Journal of the Communications Society, 2020, 1, 1278-1294.	6.9	4
57	Distributed consensus based joint resource and routing optimization in wireless sensor networks. , 2012, , .		3
58	Rate-distortion lower bound for compressed sensing via conditional remote source coding. , 2016, , .		3
59	Practical Compression Methods for Quantized Compressed Sensing. , 2019, , .		3
60	Online Caching Policy with User Preferences and Time-Dependent Requests: A Reinforcement Learning Approach. , 2019, , .		3
61	Worst Case Analysis of Age of Information in a Shared-Access Channel. , 2019, , .		3
62	Source-Aware Packet Management for Computation-Intensive Status Updating: MGF of the Aol. , 2021, , .		3
63	Energy efficient power allocation for MIMO multihop networks. , 2013, , .		2
64	On hybrid access for cognitive radio systems with time-varying connectivity. , 2013, , .		2
65	Network Layer Scheduling and Relaying in Cooperative Spectrum Sharing Networks. IEEE Transactions on Wireless Communications, 2015, 14, 4597-4613.	9.2	2
66	An Interior-Point Method for Modified Total Variation Exploiting Transform-Domain Sparsity. IEEE Signal Processing Letters, 2017, 24, 56-60.	3.6	2
67	Bayesian Learning Based Millimeter-Wave Sparse Channel Estimation with Hybrid Antenna Array. , 2018, , .		2
68	On the Dual Decomposition Based Sum Capacity Maximization for Vector Broadcast Channels. , 2006, , .		1
69	Weighted sum-rate maximization for downlink OFDMA systems. , 2008, , .		1
70	Primal Decomposition-Based Method for Weighted Sum-Rate Maximization in Downlink OFDMA Systems. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	1
71	Opportunistic scheduling and relaying in a cooperative cognitive network. , 2014, , .		1
72	Route Discovery Protocol for Energy Efficient Networks With MIMO Links. IEEE Journal on Selected Areas in Communications, 2015, 33, 2735-2748.	14.0	1

#	ARTICLE	IF	CITATIONS
73	Lapped Transforms Based Image Recovery for Block Compressed Sensing. , 2018, , .		1
74	Linear Multiuser MIMO Transmission with Quality of Service and Per Antenna Power Constraints. , 2007, , .		0
75	Linear Multiuser MIMO Transceiver Optimization in Cooperative Networks. , 2007, , .		0
76	Adaptive subcarrier and power allocation for OFDMA systems. , 2008, , .		0
77	Power allocation for irregularly modulated MIMO signaling with iterative frequency domain detector. , 2009, , .		0
78	On Greedy Methods for EXIT Chart Based Transmission Power Allocation. , 2010, , .		0
79	Scheduling in cooperative cognitive radio networks. , 2013, , .		0
80	Signal Reconstruction Performance Under Quantized Noisy Compressed Sensing. , 2019, , .		0
81	Low Complexity Sparse Channel Estimation for Wideband mmWave Systems: Multi-Stage Approach. , 2019, , .		0