

Bho Matthiesen

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

582
citations

932766

10
h-index

1372195

10
g-index

31
all docs

31
docs citations

31
times ranked

443
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconfigurable Intelligent Surfaces: A signal processing perspective with wireless applications. IEEE Signal Processing Magazine, 2022, 39, 135-158.	4.6	152
2	LEO Small-Satellite Constellations for 5G and Beyond-5G Communications. IEEE Access, 2020, 8, 184955-184964.	2.6	108
3	Intelligent Reflecting Surface Operation Under Predictable Receiver Mobility: A Continuous Time Propagation Model. IEEE Wireless Communications Letters, 2021, 10, 216-220.	3.2	51
4	A Globally Optimal Energy-Efficient Power Control Framework and Its Efficient Implementation in Wireless Interference Networks. IEEE Transactions on Signal Processing, 2020, 68, 3887-3902.	3.2	43
5	Energy Efficiency in MIMO Underlay and Overlay Device-to-Device Communications and Cognitive Radio Systems. IEEE Transactions on Signal Processing, 2017, 65, 1026-1041.	3.2	41
6	Channel aging effects in CoMP transmission: gains from linear channel prediction. , 2011, , .		24
7	Ground-Assisted Federated Learning in LEO Satellite Constellations. IEEE Wireless Communications Letters, 2022, 11, 717-721.	3.2	23
8	Resource Allocation for Energy-Efficient 3-Way Relay Channels. IEEE Transactions on Wireless Communications, 2015, 14, 4454-4468.	6.1	21
9	Energy Efficiency in C-RAN using Rate Splitting and Common Message Decoding. , 2020, , .		15
10	Sampling Uniformly From the Set of Positive Definite Matrices With Trace Constraint. IEEE Transactions on Signal Processing, 2012, 60, 2167-2179.	3.2	14
11	Globally Optimal Beamforming for Rate Splitting Multiple Access. , 2021, , .		13
12	Mixed Monotonic Programming for Fast Global Optimization. IEEE Transactions on Signal Processing, 2020, 68, 2529-2544.	3.2	11
13	Efficient Global Optimal Resource Allocation in Non-Orthogonal Interference Networks. IEEE Transactions on Signal Processing, 2019, 67, 5612-5627.	3.2	10
14	Instantaneous relaying for the 3-way relay channel with circular message exchanges. , 2015, , .		8
15	Optimization of weighted individual energy efficiencies in interference networks. , 2018, , .		7
16	Deep Learning for Real-Time Energy-Efficient Power Control in Mobile Networks. , 2019, , .		7
17	Global sum rate optimal resource allocation for non-regenerative 3-way relay channels. , 2017, , .		5
18	Energy Models for Communication of Future Computing Platforms. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	On Fast Fading Binary Interference Channels without Channel State Information at the Transmitter. , 2020, , .		4
20	Secure and energy-efficient interconnects for board-to-board communication. , 2017, , .		3
21	Weighted sum rate maximization for non-regenerative multi-way relay channels with multi-user decoding. , 2017, , .		3
22	Optimal Resource Allocation for Non-Regenerative Multiway Relaying with Rate Splitting. , 2018, , .		3
23	Deep Learning Based Resource Allocation: How Much Training Data is Needed?. , 2020, , .		3
24	Spectral and energy efficiency in 3-way relay channels with circular message exchanges. , 2014, , .		2
25	Approaching the limits in routing in power line communication exploiting Network Coding. , 2017, , .		2
26	Energy Efficiency: Rate Splitting vs. Point-to-Point Codes in Gaussian Interference Channels. , 2019, , .		2
27	Globally Optimal TIN Strategies with Time-Sharing in the MISO Interference Channel. , 2019, , .		2
28	Global Energy Efficiency Maximization in Non-orthogonal Interference Networks. , 2019, , .		1
29	Energy-efficient MIMO overlay communications for device-to-device and cognitive radio systems. , 2016, , .		0
30	Energy-efficient MIMO overlay communications for device-to-device and cognitive radio systems. , 2016, , .		0
31	Hierarchical Resource Allocation: Balancing Throughput and Energy Efficiency in Wireless Systems. , 2021, , .		0