

J Rockey Luo

List of Publications by Year in descending order

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24
papers

278
citations

1306789

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1058022

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g-index

24
all docs

24
docs citations

24
times ranked

185
citing authors

#	ARTICLE	IF	CITATIONS
1	On the throughput, capacity, and stability regions of random multiple access. IEEE Transactions on Information Theory, 2006, 52, 2593-2607.	1.5	82
2	Collaborative Data Scheduling With Joint Forward and Backward Induction in Small Satellite Networks. IEEE Transactions on Communications, 2019, 67, 3443-3456.	4.9	45
3	Optimal Sequences and Sum Capacity of Symbol Asynchronous CDMA Systems. IEEE Transactions on Information Theory, 2005, 51, 2760-2769.	1.5	32
4	Power levels and packet lengths in random multiple access with multiple-packet reception capability. IEEE Transactions on Information Theory, 2006, 52, 414-420.	1.5	24
5	A New Approach to Random Access: Reliable Communication and Reliable Collision Detection. IEEE Transactions on Information Theory, 2012, 58, 989-1002.	1.5	23
6	Error Performance of Channel Coding in Random-Access Communication. IEEE Transactions on Information Theory, 2012, 58, 3961-3974.	1.5	15
7	Sensitivity considerations in compressed sensing. , 2011, , .		13
8	Wireless multicasting via iterative optimization. , 2010, , .		7
9	A Generalized Channel Coding Theory for Distributed Communication. IEEE Transactions on Communications, 2015, 63, 1043-1056.	4.9	7
10	On Low-Complexity Maximum-Likelihood Decoding of Convolutional Codes. IEEE Transactions on Information Theory, 2008, 54, 5756-5760.	1.5	5
11	Achievable error exponent of channel coding in random access communication. , 2010, , .		4
12	On the Complexity of Wireless Multicast Optimization. IEEE Wireless Communications Letters, 2012, 1, 593-596.	3.2	4
13	Distributed Coding in A Multiple Access Environment. Foundations and Trends in Networking, 2018, 12, 260-412.	10.2	3
14	An iterative framework for optimizing multicast throughput in wireless networks. , 2008, , .		2
15	Concatenated fountain codes. , 2009, , .		2
16	Approaching blokh-zyablov error exponent with linear-time encodable/decodable codes. IEEE Communications Letters, 2009, 13, 438-440.	2.5	2
17	A channel coding approach for random access communication with bursty sources. , 2010, , .		2
18	Coding theorems for random access communication over compound channel. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
19	Fountain Communication using Concatenated Codes. IEEE Transactions on Communications, 2013, 61, 443-454.	4.9	1
20	On utility optimization in distributed multiple access over a multi-packet reception channel. , 2016, , .		1
21	Distributed multiple access with a general link layer channel. Ad Hoc Networks, 2019, 85, 120-130.	3.4	1
22	Random Multiple Access With Hierarchical Users. IEEE Transactions on Wireless Communications, 2021, 20, 6622-6633.	6.1	1
23	Comparison of Two Low Complexity Multiple Access Schemes. , 2006, , .		0
24	Superiority of Superposition Multiaccess With Single-User Decoding Over TDMA in the Low SNR Regime. IEEE Transactions on Information Theory, 2010, 56, 5581-5589.	1.5	0