

Hamid R Sadjadpour

List of Publications by Year in descending order

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60
papers

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60
times ranked

458
citing authors

#	ARTICLE	IF	CITATIONS
1	An Optimal Low-Complexity Energy-Efficient ADC Bit Allocation for Massive MIMO. IEEE Transactions on Green Communications and Networking, 2021, 5, 61-71.	3.5	7
2	Constrained Resource Allocation Problems in Communications: An Information-assisted Approach. , 2021, , .		2
3	Fundamentals of Power Allocation Strategies for Downlink Multi-User NOMA With Target Rates. IEEE Transactions on Wireless Communications, 2020, 19, 1906-1917.	6.1	8
4	Achieving Perfect Secrecy with One Bit Keys. , 2018, , .		1
5	Capacity Analysis and Bit Allocation Design for Variable-Resolution ADCs in Massive MIMO. , 2018, , .		7
6	Single-User mmWave Massive MIMO: SVD-based ADC Bit Allocation and Combiner Design. , 2018, , .		8
7	Secure and Private Information Retrieval (SAPIR) in Cloud Storage Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 12302-12312.	3.9	3
8	On the Power Allocation Limits for Downlink Multi-User NOMA with QoS. , 2018, , .		7
9	Leveraging edge caching in NOMA systems with QoS requirements. , 2018, , .		8
10	Low Complexity Secure Code (LCSC) Design for Big Data in Cloud Storage Systems. , 2018, , .		6
11	Multihop Caching-Aided Coded Multicasting for the Next Generation of Cellular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2576-2585.	3.9	20
12	Resolution-Based Content Discovery in Network of Caches: Is the Control Traffic an Issue?. IEEE Transactions on Communications, 2017, 65, 2943-2955.	4.9	7
13	A Fair Power Allocation Approach to NOMA in Multiuser SISO Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 7974-7985.	3.9	72
14	Secure coded caching in wireless ad hoc networks. , 2017, , .		7
15	A Secure Approach for Caching Contents in Wireless Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 10249-10258.	3.9	22
16	Throughput Analysis of Decentralized Coded Content Caching in Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 663-672.	6.1	26
17	A joint combiner and bit allocation design for massive MIMO using genetic algorithm. , 2017, , .		5
18	Secure and private cloud storage systems with random linear fountain codes. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	A new NOMA approach for fair power allocation. , 2016, , .		36
20	Capacity of cellular networks with femtocache. , 2016, , .		17
21	Fundamental Limits on Throughput Capacity in Information-Centric Networks. IEEE Transactions on Communications, 2016, 64, 5037-5049.	4.9	17
22	Effect of Social Groups on the Capacity of Wireless Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3-13.	6.1	21
23	Opportunistic interference management: a new approach for multi-antenna downlink cellular networks. Wireless Communications and Mobile Computing, 2015, 15, 1837-1850.	0.8	5
24	Taking advantage of multiuser diversity and beamforming in wireless cellular networks. , 2015, , .		1
25	A cross-layer metric for application-constrained MAC-aware capacity optimization. , 2014, , .		0
26	QUIT: A cross-layer routing metric based on non-utilized outage capacity. , 2013, , .		4
27	Capacity of Wireless Networks with Social Behavior. IEEE Transactions on Wireless Communications, 2013, 12, 60-69.	6.1	36
28	Social interaction increases capacity of wireless networks. , 2013, , .		11
29	On the throughput capacity of information-centric networks. , 2013, , .		33
30	A New Approach for WLAN Channel Selection Based on Outage Capacity. , 2013, , .		2
31	Taking advantage of multi-user diversity in OFDM systems. , 2013, , .		1
32	Capacity of scale free wireless networks. , 2012, , .		7
33	Capacity of social networks in wireless environments. , 2011, , .		0
34	Cross-layer design of outage optimum routing metric for wireless ad hoc networks. Wireless Communications and Mobile Computing, 2011, 11, 1576-1587.	0.8	2
35	Capacity of distributed MIMO with finite size. , 2011, , .		3
36	Multi-user diversity in single-radio OFDMA ad hoc networks based on Gibbs sampling. , 2010, , .		1

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37	The capacity of Multihop Relay Wireless Networks. , 2010, , .		2
38	The Capacity of Ad Hoc Networks with Heterogeneous Traffic Using Cooperation. , 2010, , .		10
39	Antenna selection for opportunistic interference management in MIMO broadcast channels. , 2010, , .		4
40	Opportunistic Interference Management Increases the Capacity of Ad Hoc Networks. , 2010, , .		5
41	Multicast Throughput Order of Network Coding in Wireless Ad-hoc Networks. , 2009, , .		3
42	Capacity of Wireless Networks with Heterogeneous Traffic. , 2009, , .		2
43	Interference management: A new paradigm for wireless cellular networks. , 2009, , .		4
44	Fundamental limits of information dissemination in wireless ad hoc networks-part I: single-packet reception. IEEE Transactions on Wireless Communications, 2009, 8, 5749-5754.	6.1	11
45	Cooperation-Multiuser Diversity Tradeoff in Wireless Cellular Networks. , 2009, , .		5
46	On the capacity improvement of multicast traffic with network coding. , 2008, , .		10
47	The optimal throughput order of wireless ad hoc networks and how to achieve it. , 2008, , .		0
48	Proactive or Reactive Routing: A Unified Analytical Framework in MANETs. , 2008, , .		3
49	Channel Access Using Opportunistic Reservations and Virtual MIMO. , 2008, , .		1
50	Capacity scaling laws of information dissemination modalities in wireless ad hoc networks. , 2008, , .		2
51	Closing the capacity gap in wireless ad hoc networks using multi-packet reception. , 2008, , .		3
52	Optimal scaling of multicommodity flows in wireless ad hoc networks: Beyond the Gupta-Kumar barrier. , 2008, , .		10
53	A closer look at the physical and protocol models for wireless ad hoc networks with multi-packet reception. , 2008, , .		1
54	Systematic design of Space-Time convolutional codes. , 2008, , .		0

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55	A general framework for the capacity analysis of wireless ad hoc networks. , 2008, , .		1
56	Capacity-delay tradeoff for information dissemination modalities in wireless networks. , 2008, , .		6
57	Capacity of wireless ad-hoc networks under multipacket transmission and reception. , 2008, , .		2
58	Distributed Channel Access Scheduling for Ad Hoc Networks using Virtual MIMO. , 2007, , .		2
59	On the Link Ergodic Capacity of MIMO MANETs using Cooperation. , 2006, , .		1
60	An upper bound for the capacity of distributed MIMO mobile Ad Hoc networks. , 2006, , .		1