Amitav Mukherjee

List of Publications by Year
in descending order

34 papers	2,557 citations	1163117 8 h-index	1281871 11 g-index
34 all docs	34 docs citations	34 times ranked	2340 citing authors

#	Article	IF	Citations
1	Principles of Physical Layer Security in Multiuser Wireless Networks: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 1550-1573.	39.4	1,060
2	Robust Beamforming for Security in MIMO Wiretap Channels With Imperfect CSI. IEEE Transactions on Signal Processing, 2011, 59, 351-361.	5.3	376
3	Physical-Layer Security in the Internet of Things: Sensing and Communication Confidentiality Under Resource Constraints. Proceedings of the IEEE, 2015, 103, 1747-1761.	21.3	264
4	Secure Communication Via an Untrusted Non-Regenerative Relay in Fading Channels. IEEE Transactions on Signal Processing, 2013, 61, 2536-2550.	5.3	230
5	Jamming Games in the MIMO Wiretap Channel With an Active Eavesdropper. IEEE Transactions on Signal Processing, 2013, 61, 82-91.	5.3	135
6	Detecting passive eavesdroppers in the MIMO wiretap channel. , 2012, , .		123
7	A full-duplex active eavesdropper in mimo wiretap channels: Construction and countermeasures. , 2011, , .		64
8	Utility of beamforming strategies for secrecy in multiuser MIMO wiretap channels. , 2009, , .		43
9	Fixed-rate power allocation strategies for enhanced secrecy in MIMO wiretap channels. , 2009, , .		40
10	Securing multi-antenna two-way relay channels with analog network coding against eavesdroppers. , 2010, , .		34
11	MIMO Cognitive Radio User Selection With and Without Primary Channel State Information. IEEE Transactions on Vehicular Technology, 2016, 65, 985-991.	6.3	31
12	General Auction-Theoretic Strategies for Distributed Partner Selection in Cooperative Wireless Networks. IEEE Transactions on Communications, 2010, 58, 2903-2915.	7.8	28
13	Multicarrier Interleave-Division Multiple-Access Systems with Adaptive Pilot-Based User Interleavers. , 2009, , .		16
14	Underlay MIMO Cognitive Radio Downlink Scheduling with Multiple Primary Users and No CSI. , 2015, , .		16
15	User selection in multiuser MIMO systems with secrecy considerations. , 2009, , .		12
16	Coded DS-CDMA systems with iterative channel estimation and no pilot symbols. IEEE Transactions on Wireless Communications, 2010, 9, 2012-2021.	9.2	10
17	Secrecy analysis of unauthenticated amplify-and-forward relaying with antenna selection. , 2012, , .		9
18	Rank minimization designs for underlay MIMO cognitive radio networks with completely unknown primary CSI. , 2012, , .		8

#	Article	IF	Citations
19	Modified Waterfilling Algorithms for MIMO Spatial Multiplexing with Asymmetric CSI. IEEE Wireless Communications Letters, 2012, 1, 89-92.	5.0	7
20	Imbalanced Beamforming by a Multi-Antenna Source for Secure Utilization of an Untrusted Relay. IEEE Communications Letters, 2013, 17, 1309-1312.	4.1	7
21	A Coalition Game Framework for Decode-and-Forward Relay Networks. , 2009, , .		6
22	Outage performance for amplify-and-forward channels with an unauthenticated relay. , 2012, , .		6
23	Energy Reallocation in a Multi-User Network With a Shared Harvesting Module and Storage Battery. IEEE Communications Letters, 2015, 19, 279-282.	4.1	6
24	Election games for resource allocation in multicarrier multiuser wireless networks. , 2009, , .		4
25	Poisoned feedback: The impact of malicious users in closed-loop multiuser mimo systems. , 2010, , .		4
26	CSI-unaware scheduling for coexistence of MIMO-OFDMA device-to-device links and cellular mobile terminals. , 2015, , .		4
27	Probabilistic Voting-Theoretic Strategies for Resource Allocation in Heterogenous Wireless Networks. , 2009, , .		3
28	CSI-Adaptive Encoded Pilot-Symbols for Iterative OFDM Receiver with IRA Coding. , 2009, , .		3
29	Prescient beamforming in multi-user interweave cognitive radio networks. , 2011, , .		3
30	Interference self-mitigating beamforming for the K-user MIMO IC. , 2011, , .		2
31	Group Diversity on the Uplink of a Dense Coded-Cooperation Network. , 2009, , .		1
32	Competition and equilibrium in multiuser networks with multiple service providers. , 2009, , .		1
33	Stochastic Geometry Analysis of Reference Signal Spoofing Attack in Wireless Cellular Networks. , 2016, , .		1
34	Training-feedback tradeoff in closed-loop synchronous DS-CDMA systems with adaptive user sequences. , 2009, , .		0