

Jamal Najim

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

699
citations

840776

11
h-index

1058476

14
g-index

20
all docs

20
docs citations

20
times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	Deterministic equivalents for certain functionals of large random matrices. <i>Annals of Applied Probability</i> , 2007, 17, .	1.3	159
2	A New Approach for Mutual Information Analysis of Large Dimensional Multi-Antenna Channels. <i>IEEE Transactions on Information Theory</i> , 2008, 54, 3987-4004.	2.4	151
3	On the Capacity Achieving Covariance Matrix for Rician MIMO Channels: An Asymptotic Approach. <i>IEEE Transactions on Information Theory</i> , 2010, 56, 1048-1069.	2.4	127
4	A CLT for information-theoretic statistics of Gram random matrices with a given variance profile. <i>Annals of Applied Probability</i> , 2008, 18, .	1.3	58
5	A Central Limit Theorem for the SINR at the LMMSE Estimator Output for Large-Dimensional Signals. <i>IEEE Transactions on Information Theory</i> , 2009, 55, 5048-5063.	2.4	38
6	A subspace estimator for fixed rank perturbations of large random matrices. <i>Journal of Multivariate Analysis</i> , 2013, 114, 427-447.	1.0	26
7	LARGE INFORMATION PLUS NOISE RANDOM MATRIX MODELS AND CONSISTENT SUBSPACE ESTIMATION IN LARGE SENSOR NETWORKS. <i>Random Matrices: Theory and Application</i> , 2012, 01, 1150006.	1.1	23
8	A CLT FOR INFORMATION-THEORETIC STATISTICS OF NON-CENTERED GRAM RANDOM MATRICES. <i>Random Matrices: Theory and Application</i> , 2012, 01, 1150010.	1.1	23
9	On bilinear forms based on the resolvent of large random matrices. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2013, 49, .	1.1	22
10	Non-Hermitian random matrices with a variance profile (I): deterministic equivalents and limiting ESDs. <i>Electronic Journal of Probability</i> , 2018, 23, .	1.0	21
11	Outage performance of cooperative small-cell systems under Rician fading channels. , 2011, , .		15
12	BER and Outage Probability Approximations for LMMSE Detectors on Correlated MIMO Channels. <i>IEEE Transactions on Information Theory</i> , 2009, 55, 4386-4397.	2.4	14
13	Fluctuations of the mutual information in large distributed antenna systems with colored noise. , 2010, , .		6
14	On the fluctuations of the mutual information for non centered MIMO channels: The non Gaussian case. , 2010, , .		6
15	A CLT for linear spectral statistics of large random information-plus-noise matrices. <i>Stochastic Processes and Their Applications</i> , 2020, 130, 2250-2281.	0.9	5
16	Fluctuations of an Improved Population Eigenvalue Estimator in Sample Covariance Matrix Models. <i>IEEE Transactions on Information Theory</i> , 2013, 59, 1149-1163.	2.4	2
17	Performance of Mutual Information Inference Methods Under Unknown Interference. <i>IEEE Transactions on Information Theory</i> , 2013, 59, 1129-1148.	2.4	2
18	On the fluctuations of the SINR at the output of the Wiener filter for non centered channels: The non Gaussian case. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	A CLT for Capacity Inference Methods under Colored Interference. , 2011, , .		0
20	Second-order analysis of the joint SINR distribution in Rayleigh multiple access and broadcast channels. , 2013, , .		0