

Lu Wei

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

261
citations

1040056

9
h-index

940533

16
g-index

28
all docs

28
docs citations

28
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	Singular value correlation functions for products of Wishart random matrices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 275205.	2.1	75
2	Proof of Vivo-Pato-Oshanin's conjecture on the fluctuation of von Neumann entropy. <i>Physical Review E</i> , 2017, 96, 022106.	2.1	24
3	On the Outage Capacity of Orthogonal Space-Time Block Codes Over Multi-Cluster Scattering MIMO Channels. <i>IEEE Transactions on Communications</i> , 2015, 63, 1700-1711.	7.8	20
4	Multi-source Signal Detection With Arbitrary Noise Covariance. <i>IEEE Transactions on Signal Processing</i> , 2014, 62, 5907-5918.	5.3	16
5	On the Exact Variance of Tsallis Entanglement Entropy in a Random Pure State. <i>Entropy</i> , 2019, 21, 539.	2.2	16
6	Exact variance of von Neumann entanglement entropy over the Bures-Hall measure. <i>Physical Review E</i> , 2020, 102, 062128.	2.1	13
7	Skewness of von Neumann entanglement entropy. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 075302.	2.1	12
8	Proof of Sarkar's Kumar's conjectures on average entanglement entropies over the Bures-Hall ensemble. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 235203.	2.1	12
9	Asymptotic Analysis of Rayleigh Product Channels: A Free Probability Approach. <i>IEEE Transactions on Information Theory</i> , 2017, 63, 1731-1745.	2.4	11
10	Kurtosis of von Neumann entanglement entropy. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 504003.	2.1	9
11	Second-order statistics of fermionic Gaussian states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 105201.	2.1	8
12	Moments of quantum purity and biorthogonal polynomial recurrence. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 445204.	2.1	7
13	Analysis of a privacy-preserving PCA algorithm using random matrix theory. , 2016, , .		6
14	Modeling and Analysis of Residential Electricity Consumption Statistics: A Tracy-Widom Mixture Density Approximation. <i>IEEE Access</i> , 2020, 8, 163558-163567.	4.2	6
15	Ergodic capacity of spatially correlated multi-cluster scattering MIMO channels. , 2015, , .		4
16	From Random Matrix Theory to Coding Theory: Volume of a Metric Ball in Unitary Group. <i>IEEE Transactions on Information Theory</i> , 2017, , 1-1.	2.4	4
17	Density of Spherically Embedded Stiefel and Grassmann Codes. <i>IEEE Transactions on Information Theory</i> , 2018, 64, 225-248.	2.4	4
18	On the finite-SNR Diversity-Multiplexing Tradeoff in large Rayleigh product channels. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Volume of Metric Balls in High-Dimensional Complex Grassmann Manifolds. IEEE Transactions on Information Theory, 2016, 62, 5105-5116.	2.4	3
20	Matrix Integral Approach to MIMO Mutual Information Statistics in High-SNR Regime. Entropy, 2019, 21, 1071.	2.2	3
21	On the volume of a metric ball in unitary group. , 2015, , .		1
22	Transmit beamforming in Rayleigh product MIMO channels: Ergodic mutual information and symbol error rate. , 2016, , .		1
23	On-off necklace codes for asynchronous mutual discovery. , 2017, , .		1
24	Exact Moments of Mutual Information of Jacobi MIMO Channels in High-SNR Regime. , 2018, , .		1
25	Ergodic MIMO Mutual Information: Twenty Years After Emre Telatar. , 2019, , .		1
26	Outage capacity of OSTBCs over pico-cellular MIMO channels. , 2014, , .		0
27	On the exact volume of metric balls in complex Grassmann manifolds. , 2015, , .		0
28	Uncovering Hidden Factors in Electricity Consumption Based on Gaussian Mixture Estimation. Energies, 2022, 15, 319.	3.1	0