Ilya Soloveychik

List of Publications by Year
in descending order

15 papers	149 citations	1478505 6 h-index	1474206 9 g-index
15 all docs	15 docs citations	15 times ranked	117 citing authors

#	Article	IF	Citations
1	Tyler's Covariance Matrix Estimator in Elliptical Models With Convex Structure. IEEE Transactions on Signal Processing, 2014, 62, 5251-5259.	5.3	36
2	Performance Analysis of Tyler's Covariance Estimator. IEEE Transactions on Signal Processing, 2015, 63, 418-426.	5.3	30
3	Invariance Theory for Adaptive Detection in Interference With Group Symmetric Covariance Matrix. IEEE Transactions on Signal Processing, 2016, 64, 6299-6312.	5.3	25
4	Group Symmetric Robust Covariance Estimation. IEEE Transactions on Signal Processing, 2016, 64, 244-257.	5.3	21
5	Gaussian and robust Kronecker product covariance estimation: Existence and uniqueness. Journal of Multivariate Analysis, 2016, 149, 92-113.	1.0	18
6	Symmetric Pseudo-Random Matrices. IEEE Transactions on Information Theory, 2018, 64, 3179-3196.	2.4	8
7	Pseudo-Wigner Matrices. IEEE Transactions on Information Theory, 2018, 64, 3170-3178.	2.4	6
8	Joint Estimation of Inverse Covariance Matrices Lying in an Unknown Subspace. IEEE Transactions on Signal Processing, 2017, 65, 2379-2388.	5.3	4
9	Joint Covariance Estimation With Mutual Linear Structure. IEEE Transactions on Signal Processing, 2016, 64, 1550-1561.	5.3	1
10	Covariance estimation in elliptical models with convex structure. , 2014, , .		0
11	Joint inverse covariances estimation with mutual linear structure. , 2015, , .		0
12	Pseudo-wigner matrices from dual BCH codes. , 2017, , .		0
13	Explicit symmetric pseudo-random matrices. , 2017, , .		0
14	On the spectral norms of pseudo-wigner and related matrices. , 2017, , .		0
15	Forecast Optimization via Parameter Tuning: <i>Performance Gain and Overfit</i>. The Journal of Financial Data Science, 2020, 2, 71-84.	1.3	0