Ami Wiesel

List of Publications by Year
in descending order

56	1,987	516215	552369
papers	citations	16	26
		h-index	g-index

56	56	56	2027
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fair Principal Component Analysis and Filter Design. IEEE Transactions on Signal Processing, 2021, 69, 4835-4842.	3.2	4
2	Spectral Algorithm for Shared Low-rank Matrix Regressions. , 2020, , .		1
3	Unmixing K -Gaussians With Application to Hyperspectral Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7281-7293.	2.7	8
4	Learning to Detect. IEEE Transactions on Signal Processing, 2019, 67, 2554-2564.	3.2	316
5	Robust multitask Elliptical Regression (ROMER). , 2019, , .		0
6	Signal Detection in Complex Structured Para Normal Noise. IEEE Transactions on Signal Processing, 2017, 65, 2306-2316.	3.2	4
7	Joint Estimation of Inverse Covariance Matrices Lying in an Unknown Subspace. IEEE Transactions on Signal Processing, 2017, 65, 2379-2388.	3.2	4
8	Detection with phaseless measurements. , 2016, , .		2
9	A channel matching based hybrid analog-digital strategy for massive multi-user MIMO downlink systems. , 2016, , .		22
10	Invariance Theory for Adaptive Detection in Interference With Group Symmetric Covariance Matrix. IEEE Transactions on Signal Processing, 2016, 64, 6299-6312.	3.2	25
11	Fitting Generalized Multivariate Huber Loss Functions. IEEE Signal Processing Letters, 2016, 23, 1647-1651.	2.1	10
12	Dynamic reconfiguration of the default mode network during narrative comprehension. Nature Communications, 2016, 7, 12141.	5.8	441
13	Quaternion structured paranormal distributions. , 2016, , .		0
14	Automatic diagonal loading for Tyler's robust covariance estimator. , 2016, , .		26
15	Low rank approximation based hybrid precoding schemes for multi-carrier single-user massive MIMO systems. , 2016, , .		24
16	Joint Covariance Estimation With Mutual Linear Structure. IEEE Transactions on Signal Processing, 2016, 64, 1550-1561.	3.2	1
17	Group Symmetric Robust Covariance Estimation. IEEE Transactions on Signal Processing, 2016, 64, 244-257.	3.2	21
18	Structured Robust Covariance Estimation. Foundations and Trends in Signal Processing, 2015, 8, 127-216.	12.0	40

#	Article	IF	Citations
19	Joint covariance estimation with mutual linear structure. , 2015, , .		2
20	Joint inverse covariances estimation with mutual linear structure. , 2015, , .		0
21	Tyler's estimator performance analysis. , 2015, , .		0
22	Performance Analysis of Tyler's Covariance Estimator. IEEE Transactions on Signal Processing, 2015, 63, 418-426.	3.2	30
23	Proper Quaternion Gaussian Graphical Models. IEEE Transactions on Signal Processing, 2014, 62, 5487-5496.	3.2	14
24	Covariance estimation in elliptical models with convex structure. , 2014, , .		0
25	Tyler's Covariance Matrix Estimator in Elliptical Models With Convex Structure. IEEE Transactions on Signal Processing, 2014, 62, 5251-5259.	3.2	36
26	Compressed matched filter for non-Gaussian noise. , 2014, , .		1
27	Marginal Likelihoods for Distributed Parameter Estimation of Gaussian Graphical Models. IEEE Transactions on Signal Processing, 2014, 62, 5425-5438.	3.2	13
28	Power System State Estimation Using PMUs With Imperfect Synchronization. IEEE Transactions on Power Systems, 2013, 28, 4162-4172.	4.6	90
29	Marginal likelihoods for distributed estimation of graphical model parameters. , 2013, , .		2
30	A sparse multi-class classifier for biomarker screening. , 2013, , .		0
31	State estimation with consideration of PMU phase mismatch for smart grids. , 2013, , .		2
32	Time Varying Autoregressive Moving Average Models for Covariance Estimation. IEEE Transactions on Signal Processing, 2013, 61, 2791-2801.	3.2	44
33	Performance bounds and sensor placement for state estimation using PMUs with phase mismatch. , 2013, , .		0
34	Multivariate Generalized Gaussian Distribution: Convexity and Graphical Models. IEEE Transactions on Signal Processing, 2013, 61, 4141-4148.	3.2	68
35	Gaussian graphical models for proper quaternion distributions. , 2013, , .		1
36	Group symmetry and non-Gaussian covariance estimation. , 2013, , .		4

#	Article	IF	Citations
37	Robust semi-definite relaxation MIMO detection in a non-gaussian channel. , 2013, , .		0
38	On the convexity in Kronecker structured covariance estimation. , 2012, , .		2
39	Distributed principal component analysis on networks via directed graphical models. , 2012, , .		15
40	Unified Framework to Regularized Covariance Estimation in Scaled Gaussian Models. IEEE Transactions on Signal Processing, 2012, 60, 29-38.	3.2	82
41	Distributed change detection in Gaussian graphical models. , 2012, , .		4
42	Geodesic Convexity and Covariance Estimation. IEEE Transactions on Signal Processing, 2012, 60, 6182-6189.	3.2	96
43	Distributed Covariance Estimation in Gaussian Graphical Models. IEEE Transactions on Signal Processing, 2012, 60, 211-220.	3.2	31
44	Multidimensional Shrinkage-Thresholding Operator and Group LASSO Penalties. IEEE Signal Processing Letters, 2011, 18, 363-366.	2.1	29
45	Misaligned Principal Components Analysis: Application to gene expression time series analysis. , 2011, , .		0
46	Maximum likelihood SAR autofocus with low-return region. , 2011, , .		3
47	Regularized covariance estimation in scaled Gaussian models. , 2011, , .		5
48	Order-Preserving Factor Analysisâ€"Application to Longitudinal Gene Expression. IEEE Transactions on Signal Processing, 2011, 59, 4447-4458.	3.2	3
49	Synthetic Aperture Radar autofocus via Semidefinite Relaxation. , 2010, , .		8
50	Covariance Estimation in Decomposable Gaussian Graphical Models. IEEE Transactions on Signal Processing, 2010, 58, 1482-1492.	3.2	33
51	Shrinkage Algorithms for MMSE Covariance Estimation. IEEE Transactions on Signal Processing, 2010, 58, 5016-5029.	3.2	346
52	Distributed covariance estimation in Gaussian graphical models. , 2010, , .		0
53	Robust shrinkage estimation of high-dimensional covariance matrices. , 2010, , .		9
54	Principal component analysis in decomposable Gaussian graphical models. , 2009, , .		6

#	Article	IF	Citations
55	A multidimensional shrinkage-thresholding operator. , 2009, , .		18
56	Decomposable Principal Component Analysis. IEEE Transactions on Signal Processing, 2009, 57, 4369-4377.	3.2	41