

# Ying Sun

## List of Publications by Year in descending order

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26  
papers

1,885  
citations

623574

14  
h-index

887953

17  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Majorization-Minimization Algorithms in Signal Processing, Communications, and Machine Learning. IEEE Transactions on Signal Processing, 2017, 65, 794-816.	3.2	878
2	Robust and Secure Wireless Communications via Intelligent Reflecting Surfaces. IEEE Journal on Selected Areas in Communications, 2020, 38, 2637-2652.	9.7	435
3	Distributed nonconvex constrained optimization over time-varying digraphs. Mathematical Programming, 2019, 176, 497-544.	1.6	81
4	Robust Estimation of Structured Covariance Matrix for Heavy-Tailed Elliptical Distributions. IEEE Transactions on Signal Processing, 2016, 64, 3576-3590.	3.2	72
5	Regularized Tyler's Scatter Estimator: Existence, Uniqueness, and Algorithms. IEEE Transactions on Signal Processing, 2014, 62, 5143-5156.	3.2	62
6	Distributed nonconvex multiagent optimization over time-varying networks. , 2016, , .		48
7	Low-Complexity Algorithms for Low Rank Clutter Parameters Estimation in Radar Systems. IEEE Transactions on Signal Processing, 2016, 64, 1986-1998.	3.2	40
8	Achieving Linear Convergence in Distributed Asynchronous Multiagent Optimization. IEEE Transactions on Automatic Control, 2020, 65, 5264-5279.	3.6	38
9	Orthogonal Sparse PCA and Covariance Estimation via Procrustes Reformulation. IEEE Transactions on Signal Processing, 2016, 64, 6211-6226.	3.2	37
10	Parallel and Distributed Successive Convex Approximation Methods for Big-Data Optimization. Lecture Notes in Mathematics, 2018, , 141-308.	0.1	31
11	Distributed Algorithms for Composite Optimization: Unified Framework and Convergence Analysis. IEEE Transactions on Signal Processing, 2021, 69, 3555-3570.	3.2	27
12	Successive Boolean Optimization of Planar Pixel Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 920-925.	3.1	20
13	Distributed Optimization Based on Gradient Tracking Revisited: Enhancing Convergence Rate via Surrogation. SIAM Journal on Optimization, 2022, 32, 354-385.	1.2	20
14	Image restoration using overlapping group sparsity on hyper-Laplacian prior of image gradient. Neurocomputing, 2021, 420, 57-69.	3.5	17
15	Regularized Robust Estimation of Mean and Covariance Matrix Under Heavy-Tailed Distributions. IEEE Transactions on Signal Processing, 2015, 63, 3096-3109.	3.2	16
16	Distributed big-data optimization via block-iterative convexification and averaging. , 2017, , .		12
17	Distributed Big-Data Optimization via Blockwise Gradient Tracking. IEEE Transactions on Automatic Control, 2021, 66, 2045-2060.	3.6	12
18	Majorization-Minimization on the Stiefel Manifold With Application to Robust Sparse PCA. IEEE Transactions on Signal Processing, 2021, 69, 1507-1520.	3.2	10

#	ARTICLE	IF	CITATIONS
19	Distributed nonconvex optimization for sparse representation. , 2017, , .		8
20	Robust estimation of structured covariance matrix for heavy-tailed distributions. , 2015, , .		6
21	Distributed big-data optimization via block communications. , 2017, , .		5
22	Regularized robust estimation of mean and covariance matrix under heavy tails and outliers. , 2014, , .		2
23	Orthogonal sparse eigenvectors: A procrustes problem. , 2016, , .		2
24	Multi-agent Optimization. Lecture Notes in Mathematics, 2018, , .	0.1	2
25	A Unified Contraction Analysis of a Class of Distributed Algorithms for Composite Optimization. , 2019, , .		2
26	Globally Convergent Algorithms for Learning Multivariate Generalized Gaussian Distributions. , 2021, , .		2