Xiongjun Zhang

List of Publications by Year
in descending order

22 papers	456 citations	759233 12 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	197 citing authors

#	Article	IF	Citations
1	Robust tensor completion using transformed tensor singular value decomposition. Numerical Linear Algebra With Applications, 2020, 27, e2299.	1.6	86
2	A Nonconvex Relaxation Approach to Low-Rank Tensor Completion. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1659-1671.	11.3	54
3	Nonconvex-TV Based Image Restoration with Impulse Noise Removal. SIAM Journal on Imaging Sciences, 2017, 10, 1627-1667.	2.2	45
4	A Corrected Tensor Nuclear Norm Minimization Method for Noisy Low-Rank Tensor Completion. SIAM Journal on Imaging Sciences, 2019, 12, 1231-1273.	2.2	33
5	An Adaptive Correction Approach for Tensor Completion. SIAM Journal on Imaging Sciences, 2016, 9, 1298-1323.	2.2	26
6	Robust low-rank tensor completion via transformed tensor nuclear norm with total variation regularization. Neurocomputing, 2021, 435, 197-215.	5.9	26
7	Adaptive correction procedure for TVL1 image deblurring under impulse noise. Inverse Problems, 2016, 32, 085004.	2.0	25
8	Nonlocal robust tensor recovery with nonconvex regularization [*]. Inverse Problems, 2021, 37, 035001.	2.0	25
9	Patched-tube unitary transform for robust tensor completion. Pattern Recognition, 2020, 100, 107181.	8.1	22
10	A Fast Algorithm for Deconvolution and Poisson Noise Removal. Journal of Scientific Computing, 2018, 75, 1535-1554.	2.3	21
11	Auto-weighted robust low-rank tensor completion via tensor-train. Information Sciences, 2021, 567, 100-115.	6.9	19
12	Automatic regularization parameter selection by generalized cross-validation for total variational Poisson noise removal. Applied Optics, 2017, 56, D47.	2.1	14
13	Low Rank Tensor Completion with Poisson Observations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	13
14	Orthogonal Nonnegative Tucker Decomposition. SIAM Journal of Scientific Computing, 2021, 43, B55-B81.	2.8	13
15	Fast algorithm with theoretical guarantees for constrained low-tubal-rank tensor recovery in hyperspectral images denoising. Neurocomputing, 2020, 413, 397-409.	5.9	11
16	Robust Low Transformed Multi-Rank Tensor Methods for Image Alignment. Journal of Scientific Computing, 2021, 87, 1.	2.3	8
17	Sparse Nonnegative Tensor Factorization and Completion With Noisy Observations. IEEE Transactions on Information Theory, 2022, 68, 2551-2572.	2.4	7
18	A Fast Algorithm for Solving Linear Inverse Problems with Uniform Noise Removal. Journal of Scientific Computing, 2019, 79, 1214-1240.	2.3	4

#	ARTICLE	IF	CITATIONS
19	Robust tensor train component analysis. Numerical Linear Algebra With Applications, 2022, 29, e2403.	1.6	3
20	Structured Convex Optimization Method for Orthogonal Nonnegative Matrix Factorization. , 2018, , .		1
21	Distributed Optimization Operation Strategy for Charging Stations Under Demand Response. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.8	0
22	An Implementable Accelerated Alternating Direction Method of Multipliers for Low-Rank Tensor Completion. , 2018, , .		0