Tao Sun

List of Publications by Year
in descending order

22 papers	167 citations	1307594 7 h-index	1199594 12 g-index
22 all docs	22 docs citations	22 times ranked	149 citing authors

#	Article	IF	Citations
1	Capri: <u>C</u>onsensus <u>A</u>ccelerated <u>P</u>roximal <u>R</u>eweighted <u>I</u>teration for A Class of Nonconvex Minimizations. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 1066-1079.	5.7	2
2	General nonconvex total variation and low-rank regularizations: Model, algorithm and applications. Pattern Recognition, 2022, 130, 108692.	8.1	3
3	Novel Convergence Results of Adaptive Stochastic Gradient Descents. IEEE Transactions on Image Processing, 2021, 30, 1044-1056.	9.8	6
4	Sequence Convergence of Inexact Nonconvex and Nonsmooth Algorithms with More Realistic Assumptions. Numerical Functional Analysis and Optimization, 2021, 42, 234-250.	1.4	0
5	An efficient parallel and distributed solution to nonconvex penalized linear SVMs. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 587-603.	2.6	8
6	PRIAG: Proximal Reweighted Incremental Aggregated Gradient Algorithm for Distributed Optimizations. Lecture Notes in Computer Science, 2020, , 495-511.	1.3	0
7	Convergence rates of accelerated proximal gradient algorithms under independent noise. Numerical Algorithms, 2019, 81, 631-654.	1.9	3
8	Inertial Nonconvex Alternating Minimizations for the Image Deblurring. IEEE Transactions on Image Processing, 2019, 28, 6211-6224.	9.8	12
9	Non-Ergodic Convergence Analysis of Heavy-Ball Algorithms. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5033-5040.	4.9	16
10	Bregman reweighted alternating minimization and its application to image deblurring. Information Sciences, 2019, 503, 401-416.	6.9	5
11	Alternating direction method of multipliers with difference of convex functions. Advances in Computational Mathematics, 2018, 44, 723-744.	1.6	16
12	An Efficient ADMM-Based Algorithm to Nonconvex Penalized Support Vector Machines. , 2018, , .		10
13	Iteratively Linearized Reweighted Alternating Direction Method of Multipliers for a Class of Nonconvex Problems. IEEE Transactions on Signal Processing, 2018, 66, 5380-5391.	5.3	25
14	Hard thresholding pursuit with continuation for ℓ^0-regularized minimizations. Mathematical Methods in the Applied Sciences, 2018, 41, 6195-6209.	2.3	3
15	Global convergence of proximal iteratively reweighted algorithm. Journal of Global Optimization, 2017, 68, 815-826.	1.8	15
16	Convergence of Proximal Iteratively Reweighted Nuclear Norm Algorithm for Image Processing. IEEE Transactions on Image Processing, 2017, 26, 5632-5644.	9.8	22
17	Alternating projection for sparse recovery. IET Signal Processing, 2017, 11, 135-144.	1.5	1
18	Convergence of iterative hard-thresholding algorithm with continuation. Optimization Letters, 2017, 11, 801-815.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Little-o convergence rates for several alternating minimization methods. Communications in Mathematical Sciences, 2017, 15, 197-211.	1.0	2
20	A General Proximal Alternating Minimization Method with Application to Nonconvex Nonsmooth 1D Total Variation Denoising. Mathematical Problems in Engineering, 2016, 2016, 1-7.	1.1	0
21	Reweighted fast iterative shrinkage thresholding algorithm with restarts for l_1 â€• l_1 minimisation. IET Signal Processing, 2016, 10, 28-36.	1.5	9
22	Subgradient projection for sparse signal recovery with sparse noise. Electronics Letters, 2014, 50, 1200-1202.	1.0	3