Ming Yan

List of Publications by Year
in descending order

39 papers	1,262 citations	471509 17 h-index	395702 33 g-index
43 all docs	43 docs citations	43 times ranked	1225 citing authors

#	Article	IF	Citations
1	ARock: An Algorithmic Framework for Asynchronous Parallel Coordinate Updates. SIAM Journal of Scientific Computing, 2016, 38, A2851-A2879.	2.8	141
2	Robust 1-bit Compressive Sensing Using Adaptive Outlier Pursuit. IEEE Transactions on Signal Processing, 2012, 60, 3868-3875.	5.3	136
3	Restoration of Images Corrupted by Impulse Noise and Mixed Gaussian Impulse Noise Using Blind Inpainting. SIAM Journal on Imaging Sciences, 2013, 6, 1227-1245.	2.2	129
4	A Decentralized Proximal-Gradient Method With Network Independent Step-Sizes and Separated Convergence Rates. IEEE Transactions on Signal Processing, 2019, 67, 4494-4506.	5.3	117
5	Fast L1–L2 Minimization via a Proximal Operator. Journal of Scientific Computing, 2018, 74, 767-785.	2.3	103
6	Fast and robust deconvolution of tumor infiltrating lymphocyte from expression profiles using least trimmed squares. PLoS Computational Biology, 2019, 15, e1006976.	3.2	61
7	A New Primal–Dual Algorithm for Minimizing the Sum of Three Functions with a Linear Operator. Journal of Scientific Computing, 2018, 76, 1698-1717.	2.3	59
8	Parallel and distributed sparse optimization. , 2013, , .		46
9	Surface-Aware Blind Image Deblurring. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1041-1055.	13.9	46
10	Coordinate-friendly structures, algorithms and applications. Annals of Mathematical Sciences and Applications, 2016, 1, 57-119.	0.4	40
11	Accelerated Schemes for the L_1/L_2 Minimization. IEEE Transactions on Signal Processing, 2020, 68, 2660-2669.	5.3	36
12	One condition for solution uniqueness and robustness of both l1-synthesis and l1-analysis minimizations. Advances in Computational Mathematics, 2016, 42, 1381-1399.	1.6	27
13	A Multiphase Image Segmentation Based on Fuzzy Membership Functions and L1-Norm Fidelity. Journal of Scientific Computing, 2016, 69, 82-106.	2.3	24
14	Expectation maximization and total variation-based model for computed tomography reconstruction from undersampled data. Proceedings of SPIE, 2011, , .	0.8	22
15	Nonconvex Sorted ℓ_1 „ 1 Minimization for Sparse Approximation. Journal of the Operations Research Society of China, 2015, 3, 207-229.	1.4	21
16	Nonconvex penalties with analytical solutions for one-bit compressive sensing. Signal Processing, 2018, 144, 341-351.	3.7	21
17	Self Equivalence of the Alternating Direction Method of Multipliers. Scientific Computation, 2016, , 165-194.	0.2	20
18	Asynchronous Multi-task Learning. , 2016, , .		19

#	ARTICLE	IF	CITATIONS
19	A Hybrid Architecture for Compressive Sensing 3-D CT Reconstruction. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2012, 2, 616-625.	3.6	17
20	Exact Low-Rank Matrix Completion from Sparsely Corrupted Entries Via Adaptive Outlier Pursuit. Journal of Scientific Computing, 2013, 56, 433-449.	2.3	16
21	Decentralized Frequency Synchronization in Distributed Antenna Arrays With Quantized Frequency States and Directed Communications. IEEE Transactions on Antennas and Propagation, 2020, 68, 5280-5288.	5.1	15
22	A Novel Regularization Based on the Error Function for Sparse Recovery. Journal of Scientific Computing, 2021, 87, 1.	2.3	13
23	Decentralized Frequency Alignment for Collaborative Beamforming in Distributed Phased Arrays. IEEE Transactions on Wireless Communications, 2021, 20, 6269-6281.	9.2	12
24	Exploring Outliers in Crowdsourced Ranking for QoE. , 2017, , .		11
25	On the Convergence of Asynchronous Parallel Iteration with Unbounded Delays. Journal of the Operations Research Society of China, 2019, 7, 5-42.	1.4	11
26	General convergent expectation maximization (EM)-type algorithms for image reconstruction. Inverse Problems and Imaging, 2013, 7, 1007-1029.	1.1	11
27	FPGA-accelerated 3D reconstruction using compressive sensing. , 2012, , .		10
28	Pinball loss minimization for one-bit compressive sensing: Convex models and algorithms. Neurocomputing, 2018, 314, 275-283.	5.9	9
29	Phase retrieval from incomplete data via weighted nuclear norm minimization. Pattern Recognition, 2022, 125, 108537.	8.1	9
30	Convergence analysis of SART: optimization and statistics. International Journal of Computer Mathematics, 2013, 90, 30-47.	1.8	7
31	Compressed Gradient Tracking for Decentralized Optimization Over General Directed Networks. IEEE Transactions on Signal Processing, 2022, 70, 1775-1787.	5.3	7
32	Dual Consensus Proximal Algorithm for Multi-Agent Sharing Problems. IEEE Transactions on Signal Processing, 2021, 69, 5568-5579.	5.3	6
33	Robust mixed one-bit compressive sensing. Signal Processing, 2019, 162, 161-168.	3.7	5
34	New convergence analysis of a primal-dual algorithm with large stepsizes. Advances in Computational Mathematics, 2021, 47, 1.	1.6	5
35	Fast Signal Recovery From Saturated Measurements by Linear Loss and Nonconvex Penalties. IEEE Signal Processing Letters, 2018, 25, 1374-1378.	3.6	4
36	Image Smoothing Via Gradient Sparsity and Surface Area Minimization. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
37	Efficient seismic denoising techniques using robust principal component analysis. , 2019, , .		3
38	Nonconvex compressive video sensing. Journal of Electronic Imaging, 2016, 25, 063003.	0.9	2
39	On the Linear Convergence of Two Decentralized Algorithms. Journal of Optimization Theory and Applications, 2021, 189, 271-290.	1.5	2