

Alternating Direction Algorithms for ℓ_1 -Problems

SIAM Journal of Scientific Computing

33, 250-278

DOI: [10.1137/090777761](https://doi.org/10.1137/090777761)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Inexact Alternating Direction Methods for Image Recovery. SIAM Journal of Scientific Computing, 2011, 33, 1643-1668.	1.3	67
2	Alternating Direction Method for Image Inpainting in Wavelet Domains. SIAM Journal on Imaging Sciences, 2011, 4, 807-826.	1.3	74
3	A sparse representation-based approach for video copy detection. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2012, 7, 208.	0.6	0
4	Non-smooth equations based method for ℓ_1 -norm problems with applications to compressed sensing. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3570-3577.	0.6	111
5	A Study of Hand Back Skin Texture Patterns for Personal Identification and Gender Classification. Sensors, 2012, 12, 8691-8709.	2.1	14
6	Image Restoration Based on the Hybrid Total-Variation-Type Model. Abstract and Applied Analysis, 2012, 2012, 1-30.	0.3	2
7	An alternating direction algorithm for two-phase flow visualization using gamma computed tomography. Review of Scientific Instruments, 2012, 83, 123703.	0.6	0
8	Compressed Sensing Photoacoustic Imaging Based on Fast Alternating Direction Algorithm. International Journal of Biomedical Imaging, 2012, 2012, 1-7.	3.0	28
9	New Nonsmooth Equations-Based Algorithms for ℓ_1 -Norm Minimization and Applications. Journal of Applied Mathematics, 2012, 2012, 1-14.	0.4	0
10	Alternating direction methods for classical and ptychographic phase retrieval. Inverse Problems, 2012, 28, 115010.	1.0	130
11	Effective contrast recovery in rapid dynamic near-infrared diffuse optical tomography using ℓ_1 -norm based linear image reconstruction method. Journal of Biomedical Optics, 2012, 17, 086009.	1.4	21
12	Interpolated compressive sensing for seismic data reconstruction. , 2012, , .		31
13	Linearized augmented Lagrangian and alternating direction methods for nuclear norm minimization. Mathematics of Computation, 2012, 82, 301-329.	1.1	288
14	An efficient variable-splitting multiplier method for compressive sensing seismic data reconstruction. , 2012, , .		10
15	On the Optimal Step-size Selection for the Alternating Direction Method of Multipliers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 139-144.	0.4	14
16	Alternating Direction Method with Gaussian Back Substitution for Separable Convex Programming. SIAM Journal on Optimization, 2012, 22, 313-340.	1.2	263
17	Compressed sensing reconstruction of undersampled 3D NOESY spectra: application to large membrane proteins. Journal of Biomolecular NMR, 2012, 54, 15-32.	1.6	51
18	A Note on the Alternating Direction Method of Multipliers. Journal of Optimization Theory and Applications, 2012, 155, 227-238.	0.8	158

#	ARTICLE	IF	CITATIONS
19	A proximal alternating direction method for $\ell_{2,1}$ -norm least squares problem in multi-task feature learning. Journal of Industrial and Management Optimization, 2012, 8, 1057-1069.	0.8	9
20	Image reconstruction from highly undersampled (k , t)-space data with joint partial separability and sparsity constraints. IEEE Transactions on Medical Imaging, 2012, 31, 1809-1820.	5.4	242
21	Improved total variation minimization method for compressive sensing by intra-prediction. Signal Processing, 2012, 92, 2614-2623.	2.1	22
22	A New Reweighted Algorithm With Support Detection for Compressed Sensing. IEEE Signal Processing Letters, 2012, 19, 419-422.	2.1	10
23	Solving the Matrix Nearness Problem in the Maximum Norm by Applying a Projection and Contraction Method. Advances in Operations Research, 2012, 2012, 1-15.	0.2	4
24	An alternating direction method for linearly constrained matrix nuclear norm minimization. Numerical Linear Algebra With Applications, 2012, 19, 541-554.	0.9	20
25	Alternating Direction Method for Covariance Selection Models. Journal of Scientific Computing, 2012, 51, 261-273.	1.1	64
26	An alternating direction method for finding Dantzig selectors. Computational Statistics and Data Analysis, 2012, 56, 4037-4046.	0.7	22
27	Compressive Sensing Based High-Resolution Channel Estimation for OFDM System. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 15-25.	7.3	84
28	An alternating direction method for general variational inequalities. Journal of Applied Mathematics and Computing, 2012, 38, 535-549.	1.2	0
29	A Parallel Splitting Method for Separable Convex Programs. Journal of Optimization Theory and Applications, 2013, 159, 138-158.	0.8	5
30	A simple and efficient algorithm for fused lasso signal approximator with convex loss function. Computational Statistics, 2013, 28, 1699-1714.	0.8	7
31	Primal and dual alternating direction algorithms for $\ell_{1,1}$ -norm minimization problems in compressive sensing. Computational Optimization and Applications, 2013, 54, 441-459.	0.9	39
32	An ADM-based splitting method for separable convex programming. Computational Optimization and Applications, 2013, 54, 343-369.	0.9	25
33	Fast alternating linearization methods for minimizing the sum of two convex functions. Mathematical Programming, 2013, 141, 349-382.	1.6	139
34	An alternating direction-based contraction method for linearly constrained separable convex programming problems. Optimization, 2013, 62, 573-596.	1.0	33
35	Blood Velocity Estimation Using Compressive Sensing. IEEE Transactions on Medical Imaging, 2013, 32, 1979-1988.	5.4	16
36	Alternating Direction Method of Multipliers for Sparse Principal Component Analysis. Journal of the Operations Research Society of China, 2013, 1, 253-274.	0.9	19

#	ARTICLE	IF	CITATIONS
37	Alternating Direction Methods for Latent Variable Gaussian Graphical Model Selection. <i>Neural Computation</i> , 2013, 25, 2172-2198.	1.3	59
38	A Constrained Random Demodulator for Sub-Nyquist Sampling. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 707-723.	3.2	24
39	Linearized Alternating Direction Method with Adaptive Penalty and Warm Starts for Fast Solving Transform Invariant Low-Rank Textures. <i>International Journal of Computer Vision</i> , 2013, 104, 1-14.	10.9	59
40	Large sparse signal recovery by conjugate gradient algorithm based on smoothing technique. <i>Computers and Mathematics With Applications</i> , 2013, 66, 24-32.	1.4	23
41	Smooth incomplete matrix factorization and its applications in image/video denoising. <i>Neurocomputing</i> , 2013, 122, 458-469.	3.5	10
42	An Iterative Linear Expansion of Thresholds for ℓ_{1} -Based Image Restoration. <i>IEEE Transactions on Image Processing</i> , 2013, 22, 3715-3728.	6.0	22
43	An efficient matrix bi-factorization alternative optimization method for low-rank matrix recovery and completion. <i>Neural Networks</i> , 2013, 48, 8-18.	3.3	33
44	Reconstruction Based Finger-Knuckle-Print Verification With Score Level Adaptive Binary Fusion. <i>IEEE Transactions on Image Processing</i> , 2013, 22, 5050-5062.	6.0	40
45	Adaptive Dictionary Learning in Sparse Gradient Domain for Image Recovery. <i>IEEE Transactions on Image Processing</i> , 2013, 22, 4652-4663.	6.0	90
46	On discrete ℓ_{1} -regularization. <i>Advances in Computational Mathematics</i> , 2013, 38, 441-454.	0.8	0
47	Splitting and linearizing augmented Lagrangian algorithm for subspace recovery from corrupted observations. <i>Advances in Computational Mathematics</i> , 2013, 38, 837-858.	0.8	9
48	A Comparative Study on Score Level Fusion Techniques and MACE Gabor Filters for Face Recognition in the Presence of Noises and Blurring Effects. , 2013, , .		8
49	Local Linear Convergence of the Alternating Direction Method of Multipliers on Quadratic or Linear Programs. <i>SIAM Journal on Optimization</i> , 2013, 23, 2183-2207.	1.2	106
50	Multispectral palmprint matching based on joint sparse representation. , 2013, , .		1
51	Real-time and low power embedded ℓ_{1} -optimization solver design. , 2013, , .		1
52	Coded focal stack photography. , 2013, , .		11
53	Declipping of Audio Signals Using Perceptual Compressed Sensing. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2013, 21, 2627-2637.	3.8	44
54	Video-based face recognition via joint sparse representation. , 2013, , .		33

#	ARTICLE	IF	CITATIONS
55	A new decision rule for sparse representation based classification for face recognition. Neurocomputing, 2013, 116, 265-271.	3.5	32
56	Constructing Test Instances for Basis Pursuit Denoising. IEEE Transactions on Signal Processing, 2013, 61, 1210-1214.	3.2	22
57	Regularized Robust Coding for Face Recognition. IEEE Transactions on Image Processing, 2013, 22, 1753-1766.	6.0	243
58	Two-dimensional relaxed representation. Neurocomputing, 2013, 121, 248-253.	3.5	2
59	Novel multifocus image fusion and reconstruction framework based on compressed sensing. IET Image Processing, 2013, 7, 837-847.	1.4	23
60	Accelerated augmented Lagrangian method for image reconstruction. , 2013, , .		1
61	Hankel Matrix Rank Minimization with Applications to System Identification and Realization. SIAM Journal on Matrix Analysis and Applications, 2013, 34, 946-977.	0.7	326
62	A comparison of typical ℓ_1 minimization algorithms. Neurocomputing, 2013, 119, 413-424.	3.5	129
63	Efficient Algorithms for Robust Recovery of Images From Compressed Data. IEEE Transactions on Image Processing, 2013, 22, 4724-4737.	6.0	34
64	A compressed sensing method for complex-valued signals with application to through-the-wall radar imaging. , 2013, , .		16
65	Solving combinatorial optimization problems using relaxed linear programming. , 2013, , .		1
66	On the Convergence Analysis of the Alternating Direction Method of Multipliers with Three Blocks. Abstract and Applied Analysis, 2013, 2013, 1-7.	0.3	25
67	Compressive radar with off-grid targets: a perturbation approach. Inverse Problems, 2013, 29, 054008.	1.0	32
68	Simultaneous reconstruction of undersampled multichannel signals with a decayed and time-delayed common component. , 2013, , .		0
69	Video denoising based on matrix recovery with total variation priori. , 2013, , .		3
70	Real time tracking via sparse representation. , 2013, , .		1
71	A Proximal Point Algorithm for Log-Determinant Optimization with Group Lasso Regularization. SIAM Journal on Optimization, 2013, 23, 857-893.	1.2	23
72	Augmented Lagrangian-Based Sparse Representation Method with Dictionary Updating for Image Deblurring. SIAM Journal on Imaging Sciences, 2013, 6, 1689-1718.	1.3	31

#	ARTICLE	IF	CITATIONS
73	Compressive Blind Image Deconvolution. IEEE Transactions on Image Processing, 2013, 22, 3994-4006.	6.0	49
74	SGTD: Structure Gradient and Texture Decorrelating Regularization for Image Decomposition. , 2013, , .		16
75	Primalâ€‘dual first-order methods for a class of cone programming. Optimization Methods and Software, 2013, 28, 1262-1281.	1.6	1
76	3D Face Recognition Based on Multiple Keypoint Descriptors and Sparse Representation. PLoS ONE, 2014, 9, e100120.	1.1	22
77	Integrative analysis of multiple diverse omics datasets by sparse group multitask regression. Frontiers in Cell and Developmental Biology, 2014, 2, 62.	1.8	23
78	The CT Image Reconstruction Algorithm Based on the Least Absolute Criterion by Alternating Direction Iterative. , 2014, , .		0
79	A new non-local video denoising scheme using low-rank representation and total variation regularization. , 2014, , .		4
80	Fast Partitioning of Vector-Valued Images. SIAM Journal on Imaging Sciences, 2014, 7, 1826-1852.	1.3	61
81	An Implementable First-Order Primal-Dual Algorithm for Structured Convex Optimization. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.3	5
82	fLRR: fast lowâ€‘rank representation using Frobeniusâ€‘norm. Electronics Letters, 2014, 50, 936-938.	0.5	24
83	Sensitivity Analysis of the Proximal-Based Parallel Decomposition Methods. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	1
84	Nonmonotone Adaptive Barzilai-Borwein Gradient Algorithm for Compressed Sensing. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.3	1
85	Joint sparse and low-rank model for radio-frequency interference suppression in ultra-wideband radar applications. , 2014, , .		10
86	Radio-frequency interference separation and suppression from ultrawideband radar data via low-rank modeling. , 2014, , .		12
87	Output Feature Augmented Lasso. , 2014, , .		0
88	Simultaneous reconstruction and segmentation for dynamic PET: A low rank framework. , 2014, , .		1
89	Background extraction from video sequences via motion-assisted matrix completion. , 2014, , .		10
90	Distributed Stochastic ADMM for Matrix Factorization. , 2014, , .		17

#	ARTICLE	IF	CITATIONS
91	Volumetric (3D) compressive sensing spectral domain optical coherence tomography. Biomedical Optics Express, 2014, 5, 3921.	1.5	17
92	Speckle suppression via sparse representation for wide-field imaging through turbid media. Optics Express, 2014, 22, 16619.	1.7	13
93	Alternating direction method of multipliers for real and complex polynomial optimization models. Optimization, 2014, 63, 883-898.	1.0	37
94	Quality-Based Multimodal Classification Using Tree-Structured Sparsity. , 2014, , .		14
95	Few views image reconstruction using alternating direction method via ℓ_1 norm minimization. International Journal of Imaging Systems and Technology, 2014, 24, 215-223.	2.7	11
96	Adaptive surface-related multiple subtraction using sparse norm minimization method. Optimization Methods and Software, 2014, 29, 341-352.	1.6	0
97	Image compressed sensing reconstruction with 3D transform domain collaborative filtering. , 2014, , .		1
98	Computing global minimizers to a constrained B-spline image registration problem from optimal ℓ_1 perturbations to block match data. Medical Physics, 2014, 41, 041904.	1.6	17
99	Image Denoising Using Low-Rank Dictionary and Sparse Representation. , 2014, , .		2
100	An Evolutionary Multiobjective Approach to Sparse Reconstruction. IEEE Transactions on Evolutionary Computation, 2014, 18, 827-845.	7.5	110
101	An occlusion-adaptive tracker based on sparse representation using alternating direction method of multipliers. Optik, 2014, 125, 3055-3059.	1.4	1
102	Nonmonotone Barzilai-Borwein Gradient Algorithm for ℓ_1 -Regularized Nonsmooth Minimization in Compressive Sensing. Journal of Scientific Computing, 2014, 61, 17-41.	1.1	15
103	Robust least square semidefinite programming with applications. Computational Optimization and Applications, 2014, 58, 347-379.	0.9	6
104	Inexact Alternating-Direction-Based Contraction Methods for Separable Linearly Constrained Convex Optimization. Journal of Optimization Theory and Applications, 2014, 163, 105-129.	0.8	9
105	Recovering low-rank matrices from corrupted observations via the linear conjugate gradient algorithm. Journal of Computational and Applied Mathematics, 2014, 256, 114-120.	1.1	6
106	Block splitting for distributed optimization. Mathematical Programming Computation, 2014, 6, 77-102.	3.2	61
107	An alternating structured trust region algorithm for separable optimization problems with nonconvex constraints. Computational Optimization and Applications, 2014, 57, 365-386.	0.9	3
108	Distributed resource allocation for MISO downlink systems via the alternating direction method of multipliers. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	1.5	82

#	ARTICLE	IF	CITATIONS
109	A customized Douglas-Rachford splitting algorithm for separable convex minimization with linear constraints. <i>Numerische Mathematik</i> , 2014, 127, 167-200.	0.9	30
110	Rate of Convergence Analysis of Decomposition Methods Based on the Proximal Method of Multipliers for Convex Minimization. <i>SIAM Journal on Optimization</i> , 2014, 24, 269-297.	1.2	107
111	Joint Sparse Representation for Robust Multimodal Biometrics Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014, 36, 113-126.	9.7	288
112	Face recognition for web-scale datasets. <i>Computer Vision and Image Understanding</i> , 2014, 118, 153-170.	3.0	76
113	Histogram of visual words based on locally adaptive regression kernels descriptors for image feature extraction. <i>Neurocomputing</i> , 2014, 129, 516-527.	3.5	5
114	Total variation regularization and fast algorithms based on alternating direction method. , 2014, , .		1
115	Patchwise Joint Sparse Tracking With Occlusion Detection. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 4496-4510.	6.0	13
116	Compressed Sensing Image Reconstruction Algorithm by Dictionary Learning. , 2014, , .		0
117	An Inexact Proximal Path-Following Algorithm for Constrained Convex Minimization. <i>SIAM Journal on Optimization</i> , 2014, 24, 1718-1745.	1.2	14
118	On the Iteration Complexity of Cyclic Coordinate Gradient Descent Methods. <i>SIAM Journal on Optimization</i> , 2014, 24, 1567-1580.	1.2	8
119	Motion-compensated compressed sensing for dynamic contrast-enhanced MRI using regional spatiotemporal sparsity and region tracking: Block low-rank sparsity with motion-guidance (BLOSM). <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1028-1038.	1.9	56
120	Sparse Recovery of Streaming Signals Using ℓ_1 -Homotopy. <i>IEEE Transactions on Signal Processing</i> , 2014, 62, 4209-4223.	3.2	111
121	Jump-Sparse and Sparse Recovery Using Potts Functionals. <i>IEEE Transactions on Signal Processing</i> , 2014, 62, 3654-3666.	3.2	88
122	Robust object tracking using least absolute deviation. <i>Image and Vision Computing</i> , 2014, 32, 930-939.	2.7	7
123	Enhancing Low-Rank Subspace Clustering by Manifold Regularization. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 4022-4030.	6.0	98
124	A block coordinate descent method of multipliers: Convergence analysis and applications. , 2014, , .		3
125	A Novel Compressive Sensing Algorithm for SAR Imaging. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 708-720.	2.3	87
126	ℓ_1 -minimization algorithm for compressed sensing. <i>SIAM Journal on Optimization</i> , 2014, 24, 1718-1745.	1.2	9

#	ARTICLE	IF	CITATIONS
127	Compressive Sensing Inverse Synthetic Aperture Radar Imaging Based on Gini Index Regularization. International Journal of Automation and Computing, 2014, 11, 441-448.	4.5	7
128	A Strictly Contractive Peaceman–Rachford Splitting Method for Convex Programming. SIAM Journal on Optimization, 2014, 24, 1011-1040.	1.2	104
129	Inferring gene regulatory networks by integrating ChIP-seq/chip and transcriptome data via LASSO-type regularization methods. Methods, 2014, 67, 294-303.	1.9	44
130	An inexact LQP alternating direction method for solving a class of structured variational inequalities. Computers and Mathematics With Applications, 2014, 67, 671-680.	1.4	10
131	Robust Face Recognition With Structurally Incoherent Low-Rank Matrix Decomposition. IEEE Transactions on Image Processing, 2014, 23, 3294-3307.	6.0	73
132	Sparse models and sparse recovery for ultra-wideband SAR applications. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 940-958.	2.6	56
133	Robust Low-Rank Tensor Recovery: Models and Algorithms. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 225-253.	0.7	381
134	A modified alternating projection based prediction–correction method for structured variational inequalities. Applied Numerical Mathematics, 2014, 83, 12-21.	1.2	8
135	Bilinear discriminative dictionary learning for face recognition. Pattern Recognition, 2014, 47, 1835-1845.	5.1	32
136	Sparse semi-supervised learning on low-rank kernel. Neurocomputing, 2014, 129, 265-272.	3.5	12
137	A proximal parallel splitting method for minimizing sum of convex functions with linear constraints. Journal of Computational and Applied Mathematics, 2014, 256, 36-51.	1.1	12
138	Multienergy CT acquisition and reconstruction with a stepped tube potential scan. Medical Physics, 2015, 42, 282-296.	1.6	23
139	DALM-SVD: Accelerated sparse coding through singular value decomposition of the dictionary. , 2014, , .		3
140	Fast image fusion based on alternating direction algorithms. , 2014, , .		2
141	Targeted Dot Product Representation for Friend Recommendation in Online Social Networks. , 2015, , .		0
142	Super-resolution stacking based on Compressive Sensing. , 2015, , .		7
143	Multiple target sparse reconstruction in TWRI utilizing ghost's aspect dependence feature. , 2015, , .		3
144	Stochastic Collocation on Unstructured Multivariate Meshes. Communications in Computational Physics, 2015, 18, 1-36.	0.7	41

#	ARTICLE	IF	CITATIONS
145	New descent LQP alternating direction methods for solving a class of structured variational inequalities. Fixed Point Theory and Applications, 2015, 2015, .	1.1	0
146	A Sparse regularization approach for ultrafast ultrasound imaging. , 2015, , .		9
147	A graphite oxide (GO)-based remote readable tamper evident seal. Smart Materials and Structures, 2015, 24, 105014.	1.8	4
148	Fast iterative algorithm for the reconstruction of multishot non- ϵ -cartesian diffusion data. Magnetic Resonance in Medicine, 2015, 74, 1086-1094.	1.9	12
149	Collaborative Representation-Based Robust Face Recognition by Discriminative Low-Rank Representation. , 2015, , .		1
150	Balanced Sparse Model for Tight Frames in Compressed Sensing Magnetic Resonance Imaging. PLoS ONE, 2015, 10, e0119584.	1.1	32
151	Compressed Sensing MRI Reconstruction Algorithm Based on Contourlet Transform and Alternating Direction Method. Journal of Electrical and Computer Engineering, 2015, 2015, 1-5.	0.6	1
152	Image Reconstruction for Diffuse Optical Tomography Based on Radiative Transfer Equation. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-23.	0.7	16
153	3D Palmprint Identification Using Block-Wise Features and Collaborative Representation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1730-1736.	9.7	64
154	Dictionary Learning in Visual Computing. Synthesis Lectures on Image, Video, and Multimedia Processing, 2015, 8, 1-151.	0.9	3
155	Learning a Nonnegative Sparse Graph for Linear Regression. IEEE Transactions on Image Processing, 2015, 24, 2760-2771.	6.0	72
156	GcsDecolor: Gradient Correlation Similarity for Efficient Contrast Preserving Decolorization. IEEE Transactions on Image Processing, 2015, 24, 2889-2904.	6.0	42
157	Estimating intrinsic dimension by sparse convex representation. , 2015, , .		1
158	Nonconvex Low-Rank Sparse Factorization for Image Segmentation. , 2015, , .		2
159	Joint compressive sampling and deconvolution in ultrasound medical imaging. , 2015, , .		2
160	Ultrasound compressive deconvolution with $\hat{\alpha}$, " ∞ "-Norm prior. , 2015, , .		2
161	Detection of genetic factors associated with multiple correlated imaging phenotypes by a sparse regression model. , 2015, , .		3
162	Orthogonal self-guided similarity preserving projections. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
163	Robust face recognition via low-rank sparse representation-based classification. International Journal of Automation and Computing, 2015, 12, 579-587.	4.5	20
164	Sparse Temporal Difference Learning via Alternating Direction Method of Multipliers. , 2015, , .		1
165	A fast and accurate algorithm for ℓ_1 minimization problems in compressive sampling. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.0	3
166	An overview of robust compressive sensing of sparse signals in impulsive noise. , 2015, , .		6
167	Sub-sampled Doppler ultrasound reconstruction using block sparse Bayesian learning. , 2015, , .		0
168	Maximum constrained sparse coding for image representation. , 2015, , .		0
169	Expanding dictionary for robust face recognition: pixel is not necessary while sparsity is. IET Computer Vision, 2015, 9, 648-654.	1.3	1
170	Semantic Sparse Recoding of Visual Content for Image Applications. IEEE Transactions on Image Processing, 2015, 24, 176-188.	6.0	16
171	Sparse motion bases selection for human motion denoising. Signal Processing, 2015, 110, 108-122.	2.1	29
172	An improvement of the penalty decomposition method for sparse approximation. Signal Processing, 2015, 113, 52-60.	2.1	8
173	Accelerated MR parameter mapping with low-rank and sparsity constraints. Magnetic Resonance in Medicine, 2015, 74, 489-498.	1.9	140
174	Deformation Corrected Compressed Sensing (DC-CS): A Novel Framework for Accelerated Dynamic MRI. IEEE Transactions on Medical Imaging, 2015, 34, 72-85.	5.4	71
175	Noisy Image Reconstruction Via Fast Linearized Lagrangian Dual Alternating Direction Method of Multipliers. Wireless Personal Communications, 2015, 82, 143-156.	1.8	4
176	A Linearized Alternating Direction Method of Multipliers with Substitution Procedure. Asia-Pacific Journal of Operational Research, 2015, 32, 1550011.	0.9	6
177	On time delay estimation from a sparse linear prediction perspective. Journal of the Acoustical Society of America, 2015, 137, 1044-1047.	0.5	8
178	Efficient InSAR phase noise reduction via total variation regularization. Science China Information Sciences, 2015, 58, 1-13.	2.7	4
179	Fast total-variation based image restoration based on derivative alternated direction optimization methods. Neurocomputing, 2015, 170, 201-212.	3.5	34
180	A simple and feasible method for a class of large-scale ℓ_1 -problems. Computers and Mathematics With Applications, 2015, 70, 883-895.	1.4	0

#	ARTICLE	IF	CITATIONS
181	Motion-compensated orthonormal expansion $\langle \text{mml:math altimg="si17.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.els.$ Journal of	1.7	1
182	On the Convergence Rate of a Class of Proximal-Based Decomposition Methods for Monotone Variational Inequalities. Journal of the Operations Research Society of China, 2015, 3, 347-362.	0.9	1
183	Robust people counting using sparse representation and random projection. Pattern Recognition, 2015, 48, 3038-3052.	5.1	26
184	A new spectral method for ℓ_1 -regularized minimization. Inverse Problems and Imaging, 2015, 9, 257-272.	0.6	0
185	Sparse representation-based robust face recognition by graph regularized low-rank sparse representation recovery. Neurocomputing, 2015, 164, 220-229.	3.5	28
186	Alternating direction method for generalized Sylvester matrix equation $AXB + CYD = E$. Applied Mathematics and Computation, 2015, 260, 106-125.	1.4	8
187	Inexact accelerated augmented Lagrangian methods. Computational Optimization and Applications, 2015, 62, 373-404.	0.9	23
188	A proximal alternating linearization method for minimizing the sum of two convex functions. Science China Mathematics, 2015, 58, 1-20.	0.8	1
189	Nonconvex Sorted $\ell_{1,2}$ Minimization for Sparse Approximation. Journal of the Operations Research Society of China, 2015, 3, 207-229.	0.9	21
190	Band Selection Using Improved Sparse Subspace Clustering for Hyperspectral Imagery Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2784-2797.	2.3	151
191	Minimization of ℓ_{1-2} for Compressed Sensing. SIAM Journal of Scientific Computing, 2015, 37, A536-A563.	1.3	304
192	Synthetic Aperture Radar Imaging Using Basis Selection Compressed Sensing. Circuits, Systems, and Signal Processing, 2015, 34, 2561-2576.	1.2	10
193	A Survey of Sparse Representation: Algorithms and Applications. IEEE Access, 2015, 3, 490-530.	2.6	888
194	Matrix Variate Distribution-Induced Sparse Representation for Robust Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2291-2300.	7.2	34
195	A fast splitting method tailored for Dantzig selector. Computational Optimization and Applications, 2015, 62, 347-372.	0.9	6
196	Foreground-Background Separation From Video Clips via Motion-Assisted Matrix Restoration. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1721-1734.	5.6	72
197	Undersampled Face Recognition via Robust Auxiliary Dictionary Learning. IEEE Transactions on Image Processing, 2015, 24, 1722-1734.	6.0	73
198	Holistic random encoding for imaging through multimode fibers. Optics Express, 2015, 23, 6705.	1.7	5

#	ARTICLE	IF	CITATIONS
199	Comparison of ℓ_1 -Norm SVR and Sparse Coding Algorithms for Linear Regression. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1828-1833.	7.2	18
200	A General Inertial Proximal Point Algorithm for Mixed Variational Inequality Problem. SIAM Journal on Optimization, 2015, 25, 2120-2142.	1.2	71
201	On the Global Linear Convergence of the ADMM with MultiBlock Variables. SIAM Journal on Optimization, 2015, 25, 1478-1497.	1.2	105
202	Joint estimation of spherical harmonic coefficients from magnitude diffusion-weighted images with sparsity constraints. , 2015, , .		1
203	Solving Basis Pursuit. ACM Transactions on Mathematical Software, 2015, 41, 1-29.	1.6	20
204	Inertial Proximal ADMM for Linearly Constrained Separable Convex Optimization. SIAM Journal on Imaging Sciences, 2015, 8, 2239-2267.	1.3	114
205	Local sparsity enhanced compressed sensing magnetic resonance imaging in uniform discrete curvelet domain. BMC Medical Imaging, 2015, 15, 28.	1.4	9
206	Adaptive reweighting homotopy algorithms applied to beamforming. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1902-1915.	2.6	3
207	Quality point cloud normal estimation by guided least squares representation. Computers and Graphics, 2015, 51, 106-116.	1.4	24
208	Nuclear-L1 norm joint regression for face reconstruction and recognition with mixed noise. Pattern Recognition, 2015, 48, 3811-3824.	5.1	44
209	Full Three-Dimensional Reconstruction of the Dyadic Green Tensor from Electron Energy Loss Spectroscopy of Plasmonic Nanoparticles. ACS Photonics, 2015, 2, 1429-1435.	3.2	37
210	A robust hybrid method for text detection in natural scenes by learning-based partial differential equations. Neurocomputing, 2015, 168, 23-34.	3.5	23
211	Running MAP Inference on Million Node Graphical Models: A High Performance Computing Perspective. , 2015, , .		2
212	A fast proximal point algorithm for ℓ_1 -minimization problem in compressed sensing. Applied Mathematics and Computation, 2015, 270, 777-784.	1.4	4
213	Global Convergence of Splitting Methods for Nonconvex Composite Optimization. SIAM Journal on Optimization, 2015, 25, 2434-2460.	1.2	236
214	Fourier-based reconstruction via alternating direction total variation minimization in linear scan CT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 775, 84-92.	0.7	4
215	An alternating direction method for total variation denoising. Optimization Methods and Software, 2015, 30, 594-615.	1.6	40
216	Outlier-robust extreme learning machine for regression problems. Neurocomputing, 2015, 151, 1519-1527.	3.5	170

#	ARTICLE	IF	CITATIONS
217	Image reconstruction algorithm from compressed sensing measurements by dictionary learning. <i>Neurocomputing</i> , 2015, 151, 1153-1162.	3.5	35
218	The restricted isometry property for random block diagonal matrices. <i>Applied and Computational Harmonic Analysis</i> , 2015, 38, 1-31.	1.1	42
219	Effective texture classification by texton encoding induced statistical features. <i>Pattern Recognition</i> , 2015, 48, 447-457.	5.1	37
220	A note on augmented Lagrangian-based parallel splitting method. <i>Optimization Letters</i> , 2015, 9, 1199-1212.	0.9	8
221	Optimal Parameter Selection for the Alternating Direction Method of Multipliers (ADMM): Quadratic Problems. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 644-658.	3.6	342
222	<small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:tbl_info="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:tbl_info="http://www.elsevier.com/xml/common/struct-bib/dtd"</small> Spatial-Aware Dictionary Learning for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 527-541.	1.4	10
223	Spatial-Aware Dictionary Learning for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 527-541.	2.7	115
224	Fast linearized alternating direction method of multipliers for the augmented ℓ_1 -regularized problem. <i>Signal, Image and Video Processing</i> , 2015, 9, 1601-1612.	1.7	16
225	Tensor principal component analysis via convex optimization. <i>Mathematical Programming</i> , 2015, 150, 423-457.	1.6	40
226	On the global and linear convergence of direct extension of ADMM for 3-block separable convex minimization models. <i>Journal of Inequalities and Applications</i> , 2016, 2016, .	0.5	5
227	Manifold regularization for sparse unmixing of hyperspectral images. <i>SpringerPlus</i> , 2016, 5, 2007.	1.2	6
228	Theory and practice of an Alltop waveform. , 2016, , .		1
229	High-resolution ^1H -MRSI of the brain using SPICE: Data acquisition and image reconstruction. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1059-1070.	1.9	83
230	Power efficient compressive sensing for continuous monitoring of ECG and PPG in a wearable system. , 2016, , .		10
231	A self-adaptive proximal point algorithm for signal reconstruction in compressive sensing. , 2016, , .		2
232	Bound on the estimation grid size for sparse reconstruction in direction of arrival estimation. , 2016, , .		0
233	A Probabilistic Collaborative Representation Based Approach for Pattern Classification. , 2016, , .		196
234	Inverse problem of ultrasound beamforming with sparsity in time and frequency domain. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
235	Depth recovery via decomposition of polynomial and piece-wise constant signals. , 2016, , .		1
236	Computational analysis of a fast algorithm for high-order sparse linear prediction. , 2016, , .		1
237	An Efficient Algorithm for Tensor Principal Component Analysis via Proximal Linearized Alternating Direction Method of Multipliers. , 2016, , .		1
238	A new linearized split Bregman iterative algorithm for image reconstruction in sparse-view X-ray computed tomography. Computers and Mathematics With Applications, 2016, 71, 1537-1559.	1.4	13
239	Global variational method for fingerprint segmentation by three-part decomposition. IET Biometrics, 2016, 5, 120-130.	1.6	30
240	Bilevel optimization of block compressive sensing with perceptually nonlocal similarity. Information Sciences, 2016, 360, 1-20.	4.0	10
241	Distributed Recovery of Jointly Sparse Signals Under Communication Constraints. IEEE Transactions on Signal Processing, 2016, 64, 3470-3482.	3.2	24
242	Image denoising via bidirectional low rank representation with cluster adaptive dictionary. IET Image Processing, 2016, 10, 952-961.	1.4	6
243	Tree-Structured Nuclear Norm Approximation With Applications to Robust Face Recognition. IEEE Transactions on Image Processing, 2016, 25, 5757-5767.	6.0	15
244	Partial Data Ear Recognition From One Sample per Person. IEEE Transactions on Human-Machine Systems, 2016, 46, 799-809.	2.5	17
245	Robust principal component analysis via truncated nuclear norm minimization. Journal of Shanghai Jiaotong University (Science), 2016, 21, 576-583.	0.5	5
246	A Sparse Reconstruction Framework for Fourier-Based Plane-Wave Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 2092-2106.	1.7	32
247	Convergence Study on the Symmetric Version of ADMM with Larger Step Sizes. SIAM Journal on Imaging Sciences, 2016, 9, 1467-1501.	1.3	62
248	Robust sparse recovery for compressive sensing in impulsive noise using $\hat{\alpha}_{\infty, p/\infty}$ -norm model fitting. , 2016, , .		9
249	A 3D human motion refinement method based on sparse motion bases selection. , 2016, , .		9
250	New Augmented Lagrangian-Based Proximal Point Algorithm for Convex Optimization with Equality Constraints. Journal of Optimization Theory and Applications, 2016, 171, 251-261.	0.8	3
251	Robust compressive sensing of sparse signals: a review. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.0	43
252	Support Discrimination Dictionary Learning for Image Classification. Lecture Notes in Computer Science, 2016, , 375-390.	1.0	6

#	ARTICLE	IF	CITATIONS
253	A Framework for Fast Image Deconvolution With Incomplete Observations. IEEE Transactions on Image Processing, 2016, 25, 5266-5280.	6.0	15
254	Sparse representation-based image restoration via nonlocal supervised coding. Optical Review, 2016, 23, 776-783.	1.2	9
255	Compressive sensing via nonlocal low-rank tensor regularization. Neurocomputing, 2016, 216, 45-60.	3.5	25
256	Performance assessment of a remotely readable graphite oxide (GO)-based tamper-evident seal. Proceedings of SPIE, 2016, , .	0.8	0
257	Scalable splitting algorithms for big-data interferometric imaging in the SKA era. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4314-4335.	1.6	61
258	A multi-objective optimization framework for ill-posed inverse problems. CAAI Transactions on Intelligence Technology, 2016, 1, 225-240.	3.4	18
259	Single-view bistatic sparse reconstruction in TWRI exploiting ghost's aspect dependence feature. , 2016, , .		1
260	Reconstruction of Enhanced Ultrasound Images From Compressed Measurements Using Simultaneous Direction Method of Multipliers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1525-1534.	1.7	17
261	Scalable Robust Matrix Recovery: Frank-Wolfe Meets Proximal Methods. SIAM Journal of Scientific Computing, 2016, 38, A3291-A3317.	1.3	37
262	Robust group LASSO over decentralized networks. , 2016, , .		0
263	Calculation method of reservoir fluid mobility and its application based on seismic complex spectral decomposition. , 2016, , .		4
264	Stochastic Collocation via 1-Minimisation on Low Discrepancy Point Sets with Application to Uncertainty Quantification. East Asian Journal on Applied Mathematics, 2016, 6, 171-191.	0.4	3
265	Pose and illumination variable face recognition via sparse representation and illumination dictionary. Knowledge-Based Systems, 2016, 107, 117-128.	4.0	23
266	Near-optimal estimation of simultaneously sparse and low-rank matrices from nested linear measurements. Information and Inference, 2016, 5, 331-351.	0.9	12
267	A Variational Aggregation Framework for Patch-Based Optical Flow Estimation. Journal of Mathematical Imaging and Vision, 2016, 56, 280-299.	0.8	2
268	On time delay estimation based on multichannel spatiotemporal sparse linear prediction. , 2016, , .		3
269	Dual Smoothing and Value Function Techniques for Variational Matrix Decomposition. , 2016, , 3-1-3-34.		0
270	Reconstruction of electrical capacitance tomography images based on fast linearized alternating direction method of multipliers for two-phase flow system. Chinese Journal of Chemical Engineering, 2016, 24, 597-605.	1.7	12

#	ARTICLE	IF	CITATIONS
271	3D Ear Identification Using Block-Wise Statistics-Based Features and LC-KSVD. IEEE Transactions on Multimedia, 2016, 18, 1531-1541.	5.2	14
272	A Flexible and Efficient Algorithmic Framework for Constrained Matrix and Tensor Factorization. IEEE Transactions on Signal Processing, 2016, 64, 5052-5065.	3.2	115
273	Inversion of magnetotelluric data in a sparse model domain. Geophysical Journal International, 2016, 206, 1398-1409.	1.0	14
274	A new parallel splitting augmented Lagrangian-based method for a Stackelberg game. Journal of Inequalities and Applications, 2016, 2016, .	0.5	0
275	Comparative studies on damage identification with Tikhonov regularization and sparse regularization. Structural Control and Health Monitoring, 2016, 23, 560-579.	1.9	75
276	Large Array Null Steering Using Compressed Sensing. IEEE Signal Processing Letters, 2016, 23, 1032-1036.	2.1	17
277	A distributed Douglas-Rachford splitting method for multi-block convex minimization problems. Advances in Computational Mathematics, 2016, 42, 27-53.	0.8	16
278	A semismooth Newton-CG based dual PPA for matrix spectral norm approximation problems. Mathematical Programming, 2016, 155, 435-470.	1.6	13
279	A proximal Peacemanâ€“Rachford splitting method for compressive sensing. Journal of Applied Mathematics and Computing, 2016, 50, 349-363.	1.2	16
280	FACTS Devices Allocation via Sparse Optimization. IEEE Transactions on Power Systems, 2016, 31, 1308-1319.	4.6	40
281	An Alternating Direction Method with Continuation for Nonconvex Low Rank Minimization. Journal of Scientific Computing, 2016, 66, 849-869.	1.1	35
282	A Sparse Coding Approach to Household Electricity Demand Forecasting in Smart Grids. IEEE Transactions on Smart Grid, 2016, , 1-11.	6.2	75
283	Reconstruction Algorithms in Undersampled AFM Imaging. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 31-46.	7.3	22
284	Reweighted fast iterative shrinkage thresholding algorithm with restarts for l_1 - l_1 minimisation. IET Signal Processing, 2016, 10, 28-36.	0.9	9
285	Compressive Deconvolution in Medical Ultrasound Imaging. IEEE Transactions on Medical Imaging, 2016, 35, 728-737.	5.4	49
286	Locality-preserving low-rank representation for graph construction from nonlinear manifolds. Neurocomputing, 2016, 175, 715-722.	3.5	32
287	Rupture and frequency-dependent seismic radiation of the 2012 Mw 8.6 Sumatra strike-slip earthquake. Geophysical Journal International, 2016, 205, 1682-1693.	1.0	10
288	Probabilistic-Kernel Collaborative Representation for Spatialâ€“Spectral Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2371-2384.	2.7	83

#	ARTICLE	IF	CITATIONS
289	Multi-source adaptation learning with global and local regularization by exploiting joint kernel sparse representation. Knowledge-Based Systems, 2016, 98, 76-94.	4.0	19
290	Multimodal Web Aesthetics Assessment Based on Structural SVM and Multitask Fusion Learning. IEEE Transactions on Multimedia, 2016, 18, 1062-1076.	5.2	17
291	Maximum Likelihood Reconstruction for Magnetic Resonance Fingerprinting. IEEE Transactions on Medical Imaging, 2016, 35, 1812-1823.	5.4	99
292	Collaborative Multi-Sensor Classification Via Sparsity-Based Representation. IEEE Transactions on Signal Processing, 2016, 64, 2400-2415.	3.2	24
293	COMPU-EYE: a high resolution computational compound eye. Optics Express, 2016, 24, 2013.	1.7	34
294	Spectral spatial hyperspectral image ensemble classification via joint sparse representation. Pattern Recognition, 2016, 59, 42-54.	5.1	35
295	Structured sparsity-driven autofocus algorithm for high-resolution radar imagery. Signal Processing, 2016, 125, 376-388.	2.1	23
296	Multi-source adaptation joint kernel sparse representation for visual classification. Neural Networks, 2016, 76, 135-151.	3.3	7
297	Sparsity embedding projections for sparse representation-based classification. Optik, 2016, 127, 3605-3613.	1.4	1
298	Fast algorithms for high-order sparse linear prediction with applications to speech processing. Speech Communication, 2016, 76, 143-156.	1.6	16
299	Conic Optimization via Operator Splitting and Homogeneous Self-Dual Embedding. Journal of Optimization Theory and Applications, 2016, 169, 1042-1068.	0.8	320
300	Efficient and Robust RFI Extraction Via Sparse Recovery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2104-2117.	2.3	59
301	A fast dual proximal-gradient method for separable convex optimization with linear coupled constraints. Computational Optimization and Applications, 2016, 64, 671-697.	0.9	14
302	An MM-Based Algorithm for ℓ_1 -Regularized Least-Squares Estimation With an Application to Ground Penetrating Radar Image Reconstruction. IEEE Transactions on Image Processing, 2016, 25, 2206-2221.	6.0	8
303	Corrupted and occluded face recognition via cooperative sparse representation. Pattern Recognition, 2016, 56, 77-87.	5.1	21
304	Linear Convergence of the Alternating Direction Method of Multipliers for a Class of Convex Optimization Problems. SIAM Journal on Numerical Analysis, 2016, 54, 625-640.	1.1	50
305	Sparse Representation for Blind Spectrum Sensing in Cognitive Radio: A Compressed Sensing Approach. Circuits, Systems, and Signal Processing, 2016, 35, 4413-4444.	1.2	11
306	Sparse topical analysis of dyadic data using matrix tri-factorization. Machine Learning, 2016, 104, 441-466.	3.4	2

#	ARTICLE	IF	CITATIONS
325	An alternating direction method of multipliers for elliptic equation constrained optimization problem. <i>Science China Mathematics</i> , 2017, 60, 361-378.	0.8	10
326	Orthogonal self-guided similarity preserving projection for classification and clustering. <i>Neural Networks</i> , 2017, 88, 1-8.	3.3	34
327	Dynamic Contrast-Enhanced MR Angiography Exploiting Subspace Projection for Robust Angiogram Separation. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 584-595.	5.4	5
328	Subject-based discriminative sparse representation model for detection of concealed information. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 143, 25-33.	2.6	16
329	Low rank representation with adaptive distance penalty for semi-supervised subspace classification. <i>Pattern Recognition</i> , 2017, 67, 252-262.	5.1	47
330	A Primal Douglas-Rachford Splitting Method for the Constrained Minimization Problem in Compressive Sensing. <i>Circuits, Systems, and Signal Processing</i> , 2017, 36, 4022-4049.	1.2	9
331	The Moreau envelope based efficient first-order methods for sparse recovery. <i>Journal of Computational and Applied Mathematics</i> , 2017, 322, 109-128.	1.1	5
332	A local search enhanced differential evolutionary algorithm for sparse recovery. <i>Applied Soft Computing Journal</i> , 2017, 57, 144-163.	4.1	13
333	A new linear convergence result for the iterative soft thresholding algorithm. <i>Optimization</i> , 2017, 66, 1177-1189.	1.0	10
334	Sparsity-incorporated secure localisation for wireless sensor networks. <i>Electronics Letters</i> , 2017, 53, 629-631.	0.5	3
335	Morphologically Decoupled Structured Sparsity for Rotation-Invariant Hyperspectral Image Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4355-4366.	2.7	20
336	Edge-preserving reconstruction from sparse projections of limited-angle computed tomography using $\lambda_{1,2}$ -regularized gradient prior. <i>Review of Scientific Instruments</i> , 2017, 88, 043703.	0.6	44
337	An alternating direction and projection algorithm for structure-enforced matrix factorization. <i>Computational Optimization and Applications</i> , 2017, 68, 333-362.	0.9	9
338	Stochastic Collocation Methods via L_1 Minimization Using Randomized Quadratures. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, A333-A359.	1.3	13
339	Aspect-dependent efficient multipath ghost suppression in TWRI with sparse reconstruction. <i>International Journal of Microwave and Wireless Technologies</i> , 2017, 9, 1839-1852.	1.5	7
340	Improved sparse representation method for image classification. <i>IET Computer Vision</i> , 2017, 11, 319-330.	1.3	27
341	Sparsity-Based STAP Using Alternating Direction Method With Gain/Phase Errors. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017, 53, 2756-2768.	2.6	35
342	Linear convergence of CQ algorithms and applications in gene regulatory network inference. <i>Inverse Problems</i> , 2017, 33, 055017.	1.0	44

#	ARTICLE	IF	CITATIONS
343	Efficient reformulation of image reconstruction with compressive sensing. AEU - International Journal of Electronics and Communications, 2017, 76, 46-51.	1.7	5
344	Generalized Sparse Recovery Model and Its Neural Dynamical Optimization Method for Compressed Sensing. Circuits, Systems, and Signal Processing, 2017, 36, 4326-4353.	1.2	10
345	Tree Structure Sparsity Pattern Guided Convex Optimization for Compressive Sensing of Large-Scale Images. IEEE Transactions on Image Processing, 2017, 26, 847-859.	6.0	6
346	â€œ1-minimization method for link flow correction. Transportation Research Part B: Methodological, 2017, 104, 398-408.	2.8	8
347	Interpretation II Complete Session. , 2017, , .		0
348	Spectral-spatial destriping of hyperspectral image via correntropy based sparse representation and unidirectional Huberâ€™Markov random fields. International Journal of Wavelets, Multiresolution and Information Processing, 2017, 15, 1750056.	0.9	2
349	ADMM for Penalized Quantile Regression in Big Data. International Statistical Review, 2017, 85, 494-518.	1.1	27
350	Efficient and Robust Recovery of Sparse Signal and Image Using Generalized Nonconvex Regularization. IEEE Transactions on Computational Imaging, 2017, 3, 566-579.	2.6	64
351	Randomized Block Proximal Damped Newton Method for Composite Self-Concordant Minimization. SIAM Journal on Optimization, 2017, 27, 1910-1942.	1.2	7
352	Sparse dictionary for synthetic transmit aperture medical ultrasound imaging. Journal of the Acoustical Society of America, 2017, 142, 240-248.	0.5	3
353	Rotation invariance through structured sparsity for robust hyperspectral image classification. , 2017, , .		3
354	Enhanced joint sparsity via iterative support detection. Information Sciences, 2017, 415-416, 298-318.	4.0	5
355	A Fourier dimensionality reduction model for big data interferometric imaging. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2382-2400.	1.6	9
356	Tomographic imaging of the photonic environment of plasmonic nanoparticles. Nature Communications, 2017, 8, 37.	5.8	51
357	Nonconvex Regularization-Based Sparse Recovery and Demixing With Application to Color Image Inpainting. IEEE Access, 2017, 5, 11513-11527.	2.6	26
358	A Homotopy Alternating Direction Method of Multipliers for Linearly Constrained Separable Convex Optimization. Journal of the Operations Research Society of China, 2017, 5, 271-290.	0.9	1
359	Constrained Low-Rank Representation for Robust Subspace Clustering. IEEE Transactions on Cybernetics, 2017, 47, 4534-4546.	6.2	29
360	Smoothed \$ell_1\$ â€œ1-regularization-based line search for sparse signal recovery. Soft Computing, 2017, 21, 4813-4828.	2.1	4

#	ARTICLE	IF	CITATIONS
361	Parallel Multi-Block ADMM with $\mathcal{O}(1/\sqrt{k})$ Convergence. Journal of Scientific Computing, 2017, 71, 712-736.	1.1	258
362	A Flexible ADMM Algorithm for Big Data Applications. Journal of Scientific Computing, 2017, 71, 435-467.	1.1	6
363	An improved non-Cartesian partially parallel imaging by exploiting artificial sparsity. Magnetic Resonance in Medicine, 2017, 78, 271-279.	1.9	12
364	Reconstruction of Sparse Signals and Compressively Sampled Images Based on Smooth l_1 -Norm Approximation. Journal of Signal Processing Systems, 2017, 88, 333-344.	1.4	14
365	Optimization methods for regularization-based ill-posed problems: a survey and a multi-objective framework. Frontiers of Computer Science, 2017, 11, 362-391.	1.6	19
366	Image inpainting using reproducing kernel Hilbert space and Heaviside functions. Journal of Computational and Applied Mathematics, 2017, 311, 551-564.	1.1	6
367	Adaptive smoothing algorithms for nonsmooth composite convex minimization. Computational Optimization and Applications, 2017, 66, 425-451.	0.9	12
368	Robust Sparse Recovery in Impulsive Noise via ℓ_p - ℓ_1 Optimization. IEEE Transactions on Signal Processing, 2017, 65, 105-118.	3.2	106
369	Robust Image Regression Based on the Extended Matrix Variate Power Exponential Distribution of Dependent Noise. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2168-2182.	7.2	37
370	A proximal partially parallel splitting method for separable convex programs. Optimization Methods and Software, 2017, 32, 39-68.	1.6	11
371	The chaotic dynamics of high-dimensional systems. Nonlinear Dynamics, 2017, 87, 2597-2610.	2.7	25
372	Joint Energy-Bandwidth Allocation for Multiuser Channels With Cooperating Hybrid Energy Nodes. IEEE Transactions on Vehicular Technology, 2017, 66, 9880-9889.	3.9	7
373	New sparsity based pansharping algorithms for hyperspectral images. , 2017, , .		12
375	Localized quasi-(bi)harmonic field and its applications. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2017, 11, JAMDSM0047-JAMDSM0047.	0.3	1
376	Recovery of missing samples using sparse approximation via a Convex SIMilarity measure. , 2017, , .		1
377	A second order primal-dual algorithm for nonsmooth convex composite optimization. , 2017, , .		4
378	An iterative weighted method based on YALL1 for cone-beam X-ray luminescence optical tomography imaging: A phantom experimental study. , 2017, 2017, 4030-4033.		0
379	Alternating direction method of multipliers with variable stepsize for partially parallel MR image reconstruction. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
380	Sparse Adaptive Iteratively-Weighted Thresholding Algorithm (SAITA) for ℓ_1 - ℓ_2 - ℓ_∞ - ℓ_1 - ℓ_2 - ℓ_∞ -Regularization Using the Multiple Sub-Dictionary Representation. <i>Sensors</i> , 2017, 17, 2920.	2.1	10
381	Sparse Signal Inversion with Impulsive Noise by Dual Spectral Projected Gradient Method. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-17.	0.6	0
382	Automatic Microaneurysms Detection Based on Multifeature Fusion Dictionary Learning. <i>Computational and Mathematical Methods in Medicine</i> , 2017, 2017, 1-11.	0.7	15
383	The symmetric ADMM with indefinite proximal regularization and its application. <i>Journal of Inequalities and Applications</i> , 2017, 2017, 172.	0.5	7
384	A method for radar detection and range-Doppler estimation. , 2017, , .		0
385	Laplacian sparse dictionary learning for image classification based on sparse representation. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2017, 18, 1795-1805.	1.5	4
386	An ℓ_1 - ℓ_1 -norm based linear prediction algorithm to time delay estimation via alternating direction method of multipliers. , 2017, , .		0
387	Classification of Hyperspectral Images Using Kernel Fully Constrained Least Squares. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 344.	1.4	5
388	Spatial-Spectral Graph Regularized Kernel Sparse Representation for Hyperspectral Image Classification. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 258.	1.4	18
389	Improved Imaging Performance in Super-Resolution Localization Microscopy by YALL1 Method. <i>IEEE Access</i> , 2018, 6, 5438-5446.	2.6	6
390	Image-Based Reconstruction of Tissue Scatterers Using Beam Steering for Ultrasound Simulation. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 767-780.	5.4	13
391	Minimization of transformed ℓ_1 penalty: theory, difference of convex function algorithm, and robust application in compressed sensing. <i>Mathematical Programming</i> , 2018, 169, 307-336.	1.6	76
392	A modified primal-dual method with applications to some sparse recovery problems. <i>Applied Mathematics and Computation</i> , 2018, 333, 76-94.	1.4	2
393	Unified Discriminative and Coherent Semi-Supervised Subspace Clustering. <i>IEEE Transactions on Image Processing</i> , 2018, 27, 2461-2470.	6.0	18
394	TGV-based multiplicative noise removal approach: Models and algorithms. <i>Journal of Inverse and Ill-Posed Problems</i> , 2018, 26, 703-727.	0.5	4
395	Sliding window denoising K-Singular Value Decomposition and its application on rolling bearing impact fault diagnosis. <i>Journal of Sound and Vibration</i> , 2018, 421, 205-219.	2.1	58
396	Joint Spatial and Spectral Low-Rank Regularization for Hyperspectral Image Denoising. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 1940-1958.	2.7	73
397	Optimal Compressive Imaging of Fourier Data. <i>SIAM Journal on Imaging Sciences</i> , 2018, 11, 507-546.	1.3	52

#	ARTICLE	IF	CITATIONS
416	An Exp Model with Spatially Adaptive Regularization Parameters for Multiplicative Noise Removal. Journal of Scientific Computing, 2018, 75, 478-509.	1.1	6
417	Exploring chaotic attractors in nonlinear dynamical system under fractal theory. Multidimensional Systems and Signal Processing, 2018, 29, 1643-1659.	1.7	1
418	Generalized Conjugate Gradient Methods for ℓ_1 Regularized Convex Quadratic Programming with Finite Convergence. Mathematics of Operations Research, 2018, 43, 275-303.	0.8	4
419	Global Convergence of Unmodified 3-Block ADMM for a Class of Convex Minimization Problems. Journal of Scientific Computing, 2018, 76, 69-88.	1.1	24
420	A Regularized Semi-Smooth Newton Method with Projection Steps for Composite Convex Programs. Journal of Scientific Computing, 2018, 76, 364-389.	1.1	36
421	Fault detection of a wheelset bearing in a high-speed train using the shock-response convolutional sparse-coding technique. Measurement: Journal of the International Measurement Confederation, 2018, 117, 108-124.	2.5	57
422	Sparse methods for direction-of-arrival estimation. , 2018, , 509-581.		127
423	Second order total generalized variation for speckle reduction in ultrasound images. Journal of the Franklin Institute, 2018, 355, 574-595.	1.9	18
424	The matrix splitting based proximal fixed-point algorithms for quadratically constrained ℓ_1 minimization and Dantzig selector. Applied Numerical Mathematics, 2018, 125, 23-50.	1.2	1
425	Wireless Information and Energy Transfer in MIMO Communication With Interference Channels. IEEE Access, 2018, 6, 65845-65861.	2.6	1
426	Convergence Gain in Compressive Deconvolution: Application to Medical Ultrasound Imaging. Applied Sciences (Switzerland), 2018, 8, 2558.	1.3	1
427	Single Sample Face Recognition: Discriminant Scaled Space vs Sparse Representation-Based Classification. , 2018, , .		1
428	Malicious Corruption-Resilient Wide-Area Oscillation Monitoring using Online Robust PCA. , 2018, , .		7
429	A Relaxed ADMM Algorithm for WLS Design of Linear-Phase 2D FIR Filters. , 2018, , .		3
430	Compressive Vehicle Tracking Using Deep Learning. , 2018, , .		14
431	Fast Mixed Integer Quadratic Programming for Sparse Signal Estimation. IEEE Access, 2018, 6, 58439-58449.	2.6	3
432	Image Reconstruction Combined With Interference Removal Using a Mixed-Domain Proximal Operator. IEEE Signal Processing Letters, 2018, 25, 1840-1844.	2.1	2
433	Robust Harmonic Retrieval via Block Successive Upper-Bound Minimization. IEEE Transactions on Signal Processing, 2018, 66, 6310-6324.	3.2	16

#	ARTICLE	IF	CITATIONS
434	Evolutionary Self-Expressive Models for Subspace Clustering. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1534-1546.	7.3	11
435	Speech Dereverberation Based on Convex Optimization Algorithms for Group Sparse Linear Prediction. , 2018, , .		6
436	An Interior Point Method for Nonnegative Sparse Signal Reconstruction. , 2018, , .		4
437	Recovery of UWB Radar Signals in Spectrally Restricted Environments. , 2018, , .		1
438	A Survey on Nonconvex Regularization-Based Sparse and Low-Rank Recovery in Signal Processing, Statistics, and Machine Learning. IEEE Access, 2018, 6, 69883-69906.	2.6	104
439	An ℓ_{1-1} -Norm Minimization Solution Using ADMM with FISTA. , 2018, , .		1
440	A Flexible Dirty Model Dictionary Learning Approach for Classification. , 2018, , .		0
441	A Convex Constraint Variational Method for Restoring Blurred Images in the Presence of Alpha-Stable Noises. Sensors, 2018, 18, 1175.	2.1	8
442	Lagrange Dual Method for Sparsity Constrained Optimization. IEEE Access, 2018, 6, 28404-28416.	2.6	7
443	Prediction of SOC of lead-acid battery in pure electric vehicle based on BSA-RELM. Journal of Renewable and Sustainable Energy, 2018, 10, 054103.	0.8	2
444	Compressed Sensing with Sparse Corruptions: Fault-Tolerant Sparse Collocation Approximations. SIAM-ASA Journal on Uncertainty Quantification, 2018, 6, 1424-1453.	1.1	47
445	Modeling Alzheimer's Disease Progression with Fused Laplacian Sparse Group Lasso. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-35.	2.5	17
446	Co-Robust-ADMM-Net: Joint ADMM Framework and DNN for Robust Sparse Composite Regularization. IEEE Access, 2018, 6, 47943-47952.	2.6	53
447	Convolutional Gaussian Mixture Models with Application to Compressive Sensing. , 2018, , .		0
448	Steerable Sparse Linear Array Synthesis using Alternating Direction Method of Multipliers. , 2018, , .		0
449	Robust sparse recovery via weakly convex optimization in impulsive noise. Signal Processing, 2018, 152, 84-89.	2.1	23
450	Iterative positive thresholding algorithm for non-negative sparse optimization. Optimization, 2018, 67, 1345-1363.	1.0	4
451	Sparse recovery of missing image samples using a convex similarity index. Signal Processing, 2018, 152, 90-103.	2.1	9

#	ARTICLE	IF	CITATIONS
452	Robust Sparse Signal Recovery in Impulsive Noise Using Bayesian Methods. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 273-278.	0.2	0
453	An Alternating Direction Method of Multipliers for MCP-penalized Regression with High-dimensional Data. Acta Mathematica Sinica, English Series, 2018, 34, 1892-1906.	0.2	3
454	The Smoothing FR Conjugate Gradient Method for Solving a Kind of Nonsmooth Optimization Problem with $\ M\ _1$ -Norm. Mathematical Problems in Engineering, 2018, 2018, 1-9.	0.6	0
455	Spatially adaptive total variation deblurring with split Bregman technique. IET Image Processing, 2018, 12, 948-958.	1.4	12
456	Robust Sparse Recovery in Impulsive Noise via Continuous Mixed Norm. IEEE Signal Processing Letters, 2018, 25, 1146-1150.	2.1	40
457	A comparison of iterative sparse equivalent source methods for near-field acoustical holography. Journal of the Acoustical Society of America, 2018, 143, 3758-3769.	0.5	49
458	Sparse signal recovery via minimax concave penalty and ℓ_1 -norm loss function. IET Signal Processing, 2018, 12, 1091-1098.	0.9	8
459	Fast Super-Resolution Ultrasound Imaging With Compressed Sensing Reconstruction Method and Single Plane Wave Transmission. IEEE Access, 2018, 6, 39298-39306.	2.6	25
460	A multi-band double-inversion radial fast spin-echo technique for T2 cardiovascular magnetic resonance mapping of the heart. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 49.	1.6	3
461	Efficient Optimization Algorithms for Robust Principal Component Analysis and Its Variants. Proceedings of the IEEE, 2018, 106, 1411-1426.	16.4	31
462	Constraint-Free Natural Image Reconstruction From fMRI Signals Based on Convolutional Neural Network. Frontiers in Human Neuroscience, 2018, 12, 242.	1.0	15
463	A new smoothing modified three-term conjugate gradient method for ℓ_1 -norm minimization problem. Journal of Inequalities and Applications, 2018, 2018, 105.	0.5	2
464	A New Pansharping Approach for Hyperspectral Images. , 2018, , .		1
465	Decentralized self-discipline scheduling strategy for multi-microgrids based on virtual leader agents. Electric Power Systems Research, 2018, 164, 230-242.	2.1	8
466	A projection-based algorithm for ℓ_2 -norm Tikhonov regularization. Mathematical Methods in the Applied Sciences, 2018, 41, 5919-5938.	1.2	1
467	Improving Multi-contrast Imaging with Reference Guided Location and Orientation Priors on Edges. Applied Magnetic Resonance, 2019, 50, 137-158.	0.6	1
468	$O(1/t)$ complexity analysis of the generalized alternating direction method of multipliers. Science China Mathematics, 2019, 62, 795-808.	0.8	10
469	Fast algorithms for sparse inverse covariance estimation. International Journal of Computer Mathematics, 2019, 96, 1668-1686.	1.0	3

#	ARTICLE	IF	CITATIONS
470	Latent-Smoothness Nonrigid Structure From Motion by Revisiting Multilinear Factorization. IEEE Transactions on Cybernetics, 2019, 49, 3557-3570.	6.2	4
471	Computationally efficient image reconstruction algorithm for electrical capacitance tomography. Transactions of the Institute of Measurement and Control, 2019, 41, 631-646.	1.1	16
472	LLp norm regularization based group sparse representation for image compressed sensing recovery. Signal Processing: Image Communication, 2019, 78, 477-493.	1.8	9
473	Face recognition algorithm based on improved kernel sparse representation. , 2019, , .		1
474	A Smoothed l0-Norm and l1-Norm Regularization Algorithm for Computed Tomography. Journal of Applied Mathematics, 2019, 2019, 1-8.	0.4	2
475	Adaptive Algorithm on Block-Compressive Sensing and Noisy Data Estimation. Electronics (Switzerland), 2019, 8, 753.	1.8	8
476	Adaptive iterative reconstruction based on relative total variation for low-intensity computed tomography. Signal Processing, 2019, 165, 149-162.	2.1	33
477	DOA Estimation in Impulsive Noise via Low-Rank Matrix Approximation and Weakly Convex Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3603-3616.	2.6	47
478	Unsupervised learning low-rank tensor from incomplete and grossly corrupted data. Neural Computing and Applications, 2019, 31, 8327-8335.	3.2	2
479	Signal reconstruction by conjugate gradient algorithm based on smoothing $\ \cdot \ _1$ -norm. Calcolo, 2019, 56, 1.	0.6	9
480	Identification of Light Oil in 2D NMR Spectra of Tight Sandstone Reservoirs by Using L1/L2 Two-Parameter Regularization. Energy & Fuels, 2019, 33, 10537-10546.	2.5	4
481	Similarity mapping for robust face recognition via a single training sample per person. Pattern Recognition Letters, 2019, 128, 459-466.	2.6	4
482	Sparse Time-Frequency Distribution Calculation with an Adaptive Thresholding Algorithm. , 2019, , .		2
483	A 12.6 mW, 573â€“2901 kS/s Reconfigurable Processor for Reconstruction of Compressively Sensed Physiological Signals. IEEE Journal of Solid-State Circuits, 2019, 54, 2907-2916.	3.5	6
484	A Fast Linearized Alternating Minimization Algorithm for Constrained High-Order Total Variation Regularized Compressive Sensing. IEEE Access, 2019, 7, 143081-143089.	2.6	1
485	Towards a Combination of Low Rank and Sparsity in EIT Imaging. IEEE Access, 2019, 7, 156054-156064.	2.6	7
486	Target tracking and classification using compressive sensing camera for SWIR videos. Signal, Image and Video Processing, 2019, 13, 1629-1637.	1.7	19
487	Robust Sparse Recovery in Impulsive Noise via M-Estimator and Non-Convex Regularization. IEEE Access, 2019, 7, 26941-26952.	2.6	2

#	ARTICLE	IF	CITATIONS
488	Lossy Compression of Noisy Sparse Sources Based on Syndrome Encoding. IEEE Transactions on Communications, 2019, 67, 7073-7087.	4.9	15
489	Deep Learning-Based Target Tracking and Classification for Low Quality Videos Using Coded Aperture Cameras. Sensors, 2019, 19, 3702.	2.1	25
490	Learning the pattern of epistasis linking genotype and phenotype in a protein. Nature Communications, 2019, 10, 4213.	5.8	97
491	High-resolution reflectivity inversion based on joint sparse representation. Acta Geophysica, 2019, 67, 1535-1550.	1.0	1
492	Adaptive ADMM for Dictionary Learning in Convolutional Sparse Representation. IEEE Transactions on Image Processing, 2019, 28, 3408-3422.	6.0	17
493	On Improving Recovery Performance in Multiple Measurement Vector Having Dependency. IEEE Access, 2019, 7, 3287-3297.	2.6	0
494	An amplitude-preserving deblending approach for simultaneous sources. Geophysics, 2019, 84, V185-V196.	1.4	14
495	Subspace structural constraint-based discriminative feature learning via nonnegative low rank representation. PLoS ONE, 2019, 14, e0215450.	1.1	13
496	Cauchy greedy algorithm for robust sparse recovery and multiclass classification. Signal Processing, 2019, 164, 284-294.	2.1	4
497	Structure-Aware Collaborative Representation for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7246-7261.	2.7	37
498	Efficient Sparse Recovery and Demixing Using Nonconvex Regularization. IEEE Access, 2019, 7, 59771-59779.	2.6	1
499	Lagrangian methods for composite optimization. Handbook of Numerical Analysis, 2019, , 401-436.	0.9	9
500	Modified Three-Term Conjugate Gradient Method and Its Applications. Mathematical Problems in Engineering, 2019, 2019, 1-9.	0.6	3
501	A control-theoretic perspective on cyber-physical privacy: Where data privacy meets dynamic systems. Annual Reviews in Control, 2019, 47, 423-440.	4.4	19
502	Robust mixed one-bit compressive sensing. Signal Processing, 2019, 162, 161-168.	2.1	5
503	Improved pollution forecasting hybrid algorithms based on the ensemble method. Applied Mathematical Modelling, 2019, 73, 473-486.	2.2	37
504	Joint sparse graph and flexible embedding for graph-based semi-supervised learning. Neural Networks, 2019, 114, 91-95.	3.3	29
505	Single-view cone-beam x-ray luminescence optical tomography based on Group_YALL1 method. Physics in Medicine and Biology, 2019, 64, 105004.	1.6	11

#	ARTICLE	IF	CITATIONS
506	Robust multi-model adaptation regression with local feature space representation. Knowledge-Based Systems, 2019, 174, 160-176.	4.0	0
507	Predicting wastewater treatment plant quality parameters using a novel hybrid linear-nonlinear methodology. Journal of Environmental Management, 2019, 240, 463-474.	3.8	71
508	Sparse Autoregressive Modeling via the Least Absolute LP-Norm Penalized Solution. IEEE Access, 2019, 7, 40959-40968.	2.6	9
509	Compressed Blind Deconvolution and Denoising for Complementary Beam Subtraction Light-Sheet Fluorescence Microscopy. IEEE Transactions on Biomedical Engineering, 2019, 66, 2979-2989.	2.5	7
510	Health Supervision Based on Low Rank Analysis for Aerospace Tracking. , 2019, , .		0
511	Multiple Human Objects Tracking and Classification Directly in Compressive Measurement Domain for Long Range Infrared Videos. , 2019, , .		7
512	Tracking and Classification of Multiple Human Objects Directly in Compressive Measurement Domain for Low Quality Optical Videos. , 2019, , .		6
513	On Recovery of Block Sparse Signals via Block Compressive Sampling Matching Pursuit. IEEE Access, 2019, 7, 175554-175563.	2.6	20
514	Co-Design of Sparse Coding and Dictionary Learning for Real-Time Physiological Signals Monitoring. , 2019, , .		1
515	Secure Linear Quadratic Regulator Using Sparse Model-Free Reinforcement Learning. , 2019, , .		0
516	Elastic Network-based Subspace Clustering for Security authentication. , 2019, , .		0
517	A 3D Palmprint Recognition Method based on Local Sparse Representation and Weighted Shape Index Feature. , 2019, , .		0
518	Training Deep Learning Based Image Denoisers From Undersampled Measurements Without Ground Truth and Without Image Prior. , 2019, , .		24
519	Structured Sparse Matrix Sketching based Detection for Media-Based Modulation. , 2019, , .		0
520	Hyperspectral Image Restoration using Nonconvex Hybrid Regularization. , 2019, , .		1
521	Iterative thresholding algorithm based on non-convex method for modified ℓ_1 regularization minimization. Journal of Computational and Applied Mathematics. 2019. 347. 173-180.	1.1	14
522	Collaborative block compressed sensing reconstruction with dual-domain sparse representation. Information Sciences, 2019, 472, 77-93.	4.0	9
523	Magnetic resonance fingerprinting: a technical review. Magnetic Resonance in Medicine, 2019, 81, 25-46.	1.9	80

#	ARTICLE	IF	CITATIONS
524	Maximum correntropy adaptation approach for robust compressive sensing reconstruction. Information Sciences, 2019, 480, 381-402.	4.0	19
525	Superresolution stacking based on sparse Radon transform. Geophysics, 2019, 84, V45-V54.	1.4	7
526	Highly and Adaptively Undersampling Pattern for Pulmonary Hyperpolarized ^{129}Xe Dynamic MRI. IEEE Transactions on Medical Imaging, 2019, 38, 1240-1250.	5.4	9
527	GPR Target Detection by Joint Sparse and Low-Rank Matrix Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2583-2595.	2.7	32
528	Robust Relaxation for Coherent DOA Estimation in Impulsive Noise. IEEE Signal Processing Letters, 2019, 26, 410-414.	2.1	7
529	Joint Sparse Recovery Based on Variances. SIAM Journal of Scientific Computing, 2019, 41, A246-A268.	1.3	8
530	An Efficient and Fast Quantum State Estimator With Sparse Disturbance. IEEE Transactions on Cybernetics, 2019, 49, 2546-2555.	6.2	13
531	Sparse Signal Recovery via Generalized Entropy Functions Minimization. IEEE Transactions on Signal Processing, 2019, 67, 1322-1337.	3.2	35
532	Automatic Face Recognition Based on Sparse Representation and Extended Transfer Learning. IEEE Access, 2019, 7, 2387-2395.	2.6	8
533	Adaptive locality-constrained regularized robust coding for image recognition. Optik, 2019, 178, 1208-1217.	1.4	1
534	Nonuniform Sampling for NMR Spectroscopy. Methods in Enzymology, 2019, 614, 263-291.	0.4	31
535	Sparse time-frequency distributions based on the $\ell_{1,1}$ -norm minimization with the fast intersection of confidence intervals rule. Signal, Image and Video Processing, 2019, 13, 499-506.	1.7	3
536	Augmented Lagrangian Digital Image Correlation. Experimental Mechanics, 2019, 59, 187-205.	1.1	44
537	Sparse EEG Source Localization Using LAPPS: Least Absolute ℓ_1 -P (0<math>\leq p<math>\leq 1) Penalized Solution. IEEE Transactions on Biomedical Engineering, 2019, 66, 1927-1939.	2.5	21
538	Fast Abnormal Event Detection. International Journal of Computer Vision, 2019, 127, 993-1011.	10.9	16
539	Smoothed sparse recovery via locally competitive algorithm and forward Euler discretization method. Signal Processing, 2019, 157, 97-102.	2.1	9
540	High-fidelity image deconvolution for low-dose cerebral perfusion CT imaging via low-rank and total variation regularizations. Neurocomputing, 2019, 323, 175-187.	3.5	5
541	Novel orthogonal based collaborative dictionary learning for efficient face recognition. Knowledge-Based Systems, 2019, 163, 533-545.	4.0	9

#	ARTICLE	IF	CITATIONS
542	On the convergence rate of the augmented Lagrangian-based parallel splitting method. Optimization Methods and Software, 2019, 34, 278-304.	1.6	2
543	Group sparse recovery in impulsive noise via alternating direction method of multipliers. Applied and Computational Harmonic Analysis, 2020, 49, 831-862.	1.1	8
544	Alternating direction method of multiplier for the unilateral contact problem with an automatic penalty parameter selection. Applied Mathematical Modelling, 2020, 78, 706-723.	2.2	1
545	A robust recovery algorithm with smoothing strategies. Neurocomputing, 2020, 371, 51-66.	3.5	5
546	ADMM-based $\hat{a},$ 1 optimization algorithm for robust sparse channel estimation in OFDM systems. Signal Processing, 2020, 167, 107296.	2.1	7
547	Modal regression based greedy algorithm for robust sparse signal recovery, clustering and classification. Neurocomputing, 2020, 372, 73-83.	3.5	9
548	Constrained Magnetic Resonance Spectroscopic Imaging by Learning Nonlinear Low-Dimensional Models. IEEE Transactions on Medical Imaging, 2020, 39, 545-555.	5.4	34
549	ORELM: A Novel Machine Learning Approach for Prediction of Flyrock in Mine Blasting. Natural Resources Research, 2020, 29, 641-654.	2.2	63
550	Signal Reconstruction of Compressed Sensing Based on Alternating Direction Method of Multipliers. Circuits, Systems, and Signal Processing, 2020, 39, 307-323.	1.2	24
551	Magnetic resonance fingerprinting review part 2: Technique and directions. Journal of Magnetic Resonance Imaging, 2020, 51, 993-1007.	1.9	42
552	Minimization of Fraction Function Penalty in Compressed Sensing. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1626-1637.	7.2	18
553	Finite-Time Distributed Linear Equation Solver for Solutions With Minimum l_1 -Norm. IEEE Transactions on Automatic Control, 2020, 65, 1691-1696.	3.6	13
554	Deep Cascade Model-Based Face Recognition: When Deep-Layered Learning Meets Small Data. IEEE Transactions on Image Processing, 2020, 29, 1016-1029.	6.0	49
555	Laplacian-Uniform Mixture-Driven Iterative Robust Coding With Applications to Face Recognition Against Dense Errors. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3620-3633.	7.2	6
556	Hyperspectral Image Recovery Using Nonconvex Sparsity and Low-Rank Regularizations. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 532-545.	2.7	12
557	Efficient computation for differential network analysis with applications to quadratic discriminant analysis. Computational Statistics and Data Analysis, 2020, 144, 106884.	0.7	2
558	Random Noise Attenuation of Common Offset Gathers Using Iteratively Reweighted $l_{2,1}$ Norm Minimization. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1988-1992.	1.4	2
559	Koopman-Based Lifting Techniques for Nonlinear Systems Identification. IEEE Transactions on Automatic Control, 2020, 65, 2550-2565.	3.6	58

#	ARTICLE	IF	CITATIONS
560	Prognostication of discharge coefficient of labyrinth weir using outlier robust extreme learning machine. <i>Flow Measurement and Instrumentation</i> , 2020, 71, 101681.	1.0	7
561	Gradient Immune-based Sparse Signal Reconstruction Algorithm for Compressive Sensing. <i>Applied Soft Computing Journal</i> , 2020, 88, 106032.	4.1	5
562	Analysis of compressed distributed adaptive filters. <i>Automatica</i> , 2020, 112, 108707.	3.0	7
563	Fast multi-spectral image super-resolution via sparse representation. <i>IET Image Processing</i> , 2020, 14, 2833-2844.	1.4	6
564	An Algorithm of l1-Norm and l0-Norm Regularization Algorithm for CT Image Reconstruction from Limited Projection. <i>International Journal of Biomedical Imaging</i> , 2020, 2020, 1-6.	3.0	3
565	Negentropy-Based Sparsity-Promoting Reconstruction with Fast Iterative Solution from Noisy Measurements. <i>Sensors</i> , 2020, 20, 5384.	2.1	0
566	Single Sensor Compressive Light Field Video Camera. <i>Computer Graphics Forum</i> , 2020, 39, 463-474.	1.8	7
567	Relax-and-split method for nonconvex inverse problems. <i>Inverse Problems</i> , 2020, 36, 095013.	1.0	6
568	Generalized Gaussian Noise Distribution Enabled Sparse Representation Model for Bearing Fault Diagnosis. , 2020, , .		7
569	Randomized Algorithms for Orthogonal Nonnegative Matrix Factorization. <i>Journal of the Operations Research Society of China</i> , 2020, , 1.	0.9	0
570	High-Resolution Ultrasound Imaging Enabled by Random Interference and Joint Image Reconstruction. <i>Sensors</i> , 2020, 20, 6434.	2.1	2
571	Support-Constrained Mixed-Norm Optimization Techniques for Estimating Multipath Activity in Shallow Water Acoustic Channels. <i>IEEE Journal of Oceanic Engineering</i> , 2020, 45, 683-698.	2.1	3
572	Research on Compressed Sensing in Ultrasound Imaging. , 2020, , .		1
573	Semi-Supervised Subspace Learning for Pattern Classification via Robust Low Rank Constraint. <i>Mobile Networks and Applications</i> , 2020, 25, 2258-2269.	2.2	3
574	Data-Driven Discovery of Block-Oriented Nonlinear Models Using Sparse Null-Subspace Methods. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 3794-3804.	6.2	3
575	Photoplethysmography Biometric Recognition Model Based on Sparse Softmax Vector and k-Nearest Neighbor. <i>Journal of Electrical and Computer Engineering</i> , 2020, 2020, 1-9.	0.6	6
576	Dictionary Learning for Channel Estimation in Hybrid Frequency-Selective mmWave MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2020, 19, 7407-7422.	6.1	13
577	The Local Rényi Entropy Based Shrinkage Algorithm for Sparse TFD Reconstruction. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
578	Fault Detection in Photovoltaic Arrays via Sparse Representation Classifier. , 2020, , .		2
579	Direct Least Absolute Deviation Fitting of Ellipses. Mathematical Problems in Engineering, 2020, 2020, 1-11.	0.6	1
580	Frequency Comb MIMO OFDM Radar With Nonequidistant Subcarrier Interleaving. IEEE Microwave and Wireless Components Letters, 2020, 30, 1209-1212.	2.0	9
581	Alternating Direction Multiplier Method for Matrix $l_{2,1}$ -Norm Optimization in Multitask Feature Learning Problems. Mathematical Problems in Engineering, 2020, 2020, 1-7.	0.6	0
582	Centralized joint sparse representation for multi-view subspace clustering. Journal of Intelligent and Fuzzy Systems, 2020, 39, 1213-1226.	0.8	0
583	A Novel Adaptive Multi-View Non-Negative Graph Semi-Supervised ELM. IEEE Access, 2020, 8, 116350-116362.	2.6	4
584	Reconstruction of Hyperspectral Images From Spectral Compressed Sensing Based on a Multitype Mixing Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2304-2320.	2.3	8
585	Nonconvex nonsmooth low-rank minimization for generalized image compressed sensing via group sparse representation. Journal of the Franklin Institute, 2020, 357, 6370-6405.	1.9	13
586	A Block Successive Upper-Bound Minimization Method of Multipliers for Linearly Constrained Convex Optimization. Mathematics of Operations Research, 2020, 45, 833-861.	0.8	13
587	Group discriminative least square regression for multicategory classification. Neurocomputing, 2020, 407, 175-184.	3.5	8
588	Detection and Confirmation of Multiple Human Targets Using Pixel-Wise Code Aperture Measurements. Journal of Imaging, 2020, 6, 40.	1.7	15
589	Estimation of scour depth around cross-vane structures using a novel non-tuned high-accuracy machine learning approach. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	3
590	Robust Camera Translation Estimation via Rank Enforcement. IEEE Transactions on Cybernetics, 2022, 52, 862-872.	6.2	8
591	Decoupled narrowband robust adaptive beamforming based on the ADMM in a noisy channel. IET Radar, Sonar and Navigation, 2020, 14, 637-642.	0.9	2
592	Real-Time and Deep Learning Based Vehicle Detection and Classification Using Pixel-Wise Code Exposure Measurements. Electronics (Switzerland), 2020, 9, 1014.	1.8	23
593	A Parallel Splitting Augmented Lagrangian Method for Two-Block Separable Convex Programming with Application in Image Processing. Mathematical Problems in Engineering, 2020, 2020, 1-10.	0.6	2
594	Metrics for Evaluating the Efficiency of Compressing Sensing Techniques. , 2020, , .		10
595	Robust T-S Fuzzy Model Identification Approach Based on FCRM Algorithm and L1-Norm Loss Function. IEEE Access, 2020, 8, 33792-33805.	2.6	8

#	ARTICLE	IF	CITATIONS
596	ADMM-based transmit beampattern synthesis for antenna arrays under a constant modulus constraint. <i>Signal Processing</i> , 2020, 171, 107529.	2.1	14
597	minimization methods for signal and image reconstruction with impulsive noise removal. <i>Inverse Problems</i> , 2020, 36, 055009.	1.0	27
598	Community Detection in Online Social Networks: A Differentially Private and Parsimonious Approach. <i>IEEE Transactions on Computational Social Systems</i> , 2020, 7, 151-163.	3.2	18
599	On the Convergence of Bregman ADMM With Variational Inequality. <i>IEEE Access</i> , 2020, 8, 29608-29615.	2.6	0
600	On privacy preserving data release of linear dynamic networks. <i>Automatica</i> , 2020, 115, 108839.	3.0	9
601	Directed EEG neural network analysis by LAPPS (p<mml:math>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 552 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML")</mml:math> Networks. 2020, 124, 213-222.	3.3	9
602	Reducing uncertainty in conceptual prior models of complex geologic systems via integration of flow response data. <i>Computational Geosciences</i> , 2020, 24, 161-180.	1.2	3
603	3D palmprint identification using blocked histogram and improved sparse representation-based classifier. <i>Neural Computing and Applications</i> , 2020, 32, 12547-12560.	3.2	3
604	A Hybrid Approach for Thermographic Imaging With Deep Learning. , 2020, , .		3
605	A multiple feature fusion framework for video emotion recognition in the wild. <i>Concurrency Computation Practice and Experience</i> , 2022, 34, e5764.	1.4	12
606	High-Resolution Ultrasound Imaging Using Random Interference. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1785-1799.	1.7	5
607	Classification-Friendly Sparse Encoder and Classifier Learning. <i>IEEE Access</i> , 2020, 8, 54494-54505.	2.6	0
608	A New Local Knowledge-Based Collaborative Representation for Image Recognition. <i>IEEE Access</i> , 2020, 8, 81069-81079.	2.6	7
609	Super-resolved water/fat image reconstruction based on single-shot spatiotemporally encoded MRI. <i>Journal of Magnetic Resonance</i> , 2020, 314, 106736.	1.2	2
610	A partial PPA block-wise ADMM for multi-block linearly constrained separable convex optimization. <i>Optimization</i> , 2021, 70, 631-657.	1.0	3
611	Nonnegative representation based discriminant projection for face recognition. <i>International Journal of Machine Learning and Cybernetics</i> , 2021, 12, 733-745.	2.3	9
612	Linear convergence of inexact descent method and inexact proximal gradient algorithms for lower-order regularization problems. <i>Journal of Global Optimization</i> , 2021, 79, 853-883.	1.1	6
613	Accelerating T₂ mapping of the brain by integrating deep learning priors with low-rank and sparse modeling. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1455-1467.	1.9	17

#	ARTICLE	IF	CITATIONS
614	Iteratively weighted thresholding homotopy method for the sparse solution of underdetermined linear equations. <i>Science China Mathematics</i> , 2021, 64, 639-664.	0.8	1
615	A partially proximal S-ADMM for separable convex optimization with linear constraints. <i>Applied Numerical Mathematics</i> , 2021, 160, 65-83.	1.2	9
616	An ADMM-based interior-point method for large-scale linear programming. <i>Optimization Methods and Software</i> , 2021, 36, 389-424.	1.6	13
617	Sequential sparse Bayesian learning with applications to system identification for damage assessment and recursive reconstruction of image sequences. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 373, 113545.	3.4	7
618	Joint Down-Range and Cross-Range RFI Suppression in Ultra-Wideband SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 3136-3149.	2.7	10
619	Learnable MIMO Detection Networks Based on Inexact ADMM. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 565-576.	6.1	9
620	Scalar Quantization as Sparse Least Square Optimization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 1678-1690.	9.7	2
621	The Methods and Tools for Molecular Network Construction. , 2021, , 14-28.		0
622	A Three-Operator Splitting Algorithm for Nonconvex Sparsity Regularization. <i>SIAM Journal of Scientific Computing</i> , 2021, 43, A2809-A2839.	1.3	5
623	Image Compression Based on a Partially Rotated Discrete Cosine Transform With a Principal Orientation. <i>IEEE Access</i> , 2021, 9, 101773-101786.	2.6	3
624	Index modulation for OFDM RadCom systems. <i>Journal of Engineering</i> , 2021, 2021, 61-72.	0.6	9
625	Adaptive Robust Noise Modeling of Sparse Representation for Bearing Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-12.	2.4	20
626	Investigating Customization Strategies and Convergence Behaviors of Task-Specific ADMM. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 8278-8292.	6.0	2
627	Multilayer Convolution Sparse Coding for Expression Recognition. <i>Journal of Physics: Conference Series</i> , 2021, 1757, 012086.	0.3	0
628	Learning Alternating Deep-Layer Cascaded Representation. <i>IEEE Signal Processing Letters</i> , 2021, 28, 1520-1524.	2.1	3
629	A Second Order Primal-Dual Method for Nonsmooth Convex Composite Optimization. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 4061-4076.	3.6	5
630	Compressed sensing of large-scale local field potentials using adaptive sparsity analysis and non-convex optimization. <i>Journal of Neural Engineering</i> , 2021, 18, 026007.	1.8	1
631	A modulus-based iterative method for sparse signal recovery. <i>Numerical Algorithms</i> , 2021, 88, 165-190.	1.1	2

#	ARTICLE	IF	CITATIONS
632	Fast Approximation for Sparse Coding with Applications to Object Recognition. <i>Sensors</i> , 2021, 21, 1442.	2.1	5
633	ECG Signal Denoising and Reconstruction Based on Basis Pursuit. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1591.	1.3	17
634	Multi-channel Potts-based reconstruction for multi-spectral computed tomography. <i>Inverse Problems</i> , 2021, 37, 045004.	1.0	0
635	3-D compressed sensing optical coherence tomography using predictive coding. <i>Biomedical Optics Express</i> , 2021, 12, 2531.	1.5	3
636	A Golden Ratio Primal-Dual Algorithm for Structured Convex Optimization. <i>Journal of Scientific Computing</i> , 2021, 87, 1.	1.1	7
637	Hyperspectral Image Classification via Multi-Feature-Based Correlation Adaptive Representation. <i>Remote Sensing</i> , 2021, 13, 1253.	1.8	2
638	Sparse noise minimization in image classification using Genetic Algorithm and DenseNet. , 2021, , .		7
639	Nonconvex generalization of Alternating Direction Method of Multipliers for nonlinear equality constrained problems. <i>Results in Control and Optimization</i> , 2021, 2, 100009.	1.3	6
640	Covert Anti-Jamming Communication Based on Gaussian Coded Modulation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3759.	1.3	2
641	Separation of Metabolites and Macromolecules for Short-TE ¹ H-MRSI Using Learned Component-Specific Representations. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1157-1167.	5.4	11
642	Sparse signal recovery via infimal convolution based penalty. <i>Signal Processing: Image Communication</i> , 2021, 94, 116214.	1.8	2
645	A two-step iterative algorithm for sparse hyperspectral unmixing via total variation. <i>Applied Mathematics and Computation</i> , 2021, 401, 126059.	1.4	7
646	An Inexact Penalty Decomposition Method for Sparse Optimization. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-8.	1.1	1
647	Convolutional Sparse Coding Using Pathfinder Algorithm-Optimized Orthogonal Matching Pursuit With Asymmetric Gaussian Chirplet Model in Bearing Fault Detection. <i>IEEE Sensors Journal</i> , 2021, 21, 18132-18145.	2.4	12
648	A wavelet-outlier robust extreme learning machine for rainfall forecasting in Ardabil City, Iran. <i>Earth Science Informatics</i> , 2021, 14, 2087-2100.	1.6	4
649	Deep Learning for Compressive Imaging. , 2021, , 458-469.		0
650	The LASSO and its Cousins. , 2021, , 129-141.		1
651	Wavelets. , 2021, , 188-221.		0

#	ARTICLE	IF	CITATIONS
652	Analysis of Optimization Algorithms. , 2021, , 166-187.		0
653	A Short Guide to Compressive Imaging. , 2021, , 47-74.		0
655	Stable and Accurate Neural Networks for Compressive Imaging. , 2021, , 501-520.		0
657	Neural Networks and Deep Learning. , 2021, , 431-457.		1
661	SquiggleMilli. , 2021, 5, 1-26.		12
662	Image denoising algorithm of compressed sensing based on alternating direction method of multipliers. International Journal of Modeling, Simulation, and Scientific Computing, 2022, 13, .	0.9	3
663	A faster generalized ADMM-based algorithm using a sequential updating scheme with relaxed step sizes for multiple-block linearly constrained separable convex programming. Journal of Computational and Applied Mathematics, 2021, 393, 113503.	1.1	2
668	Techniques for Enhancing Performance. , 2021, , 75-100.		0
669	A Taste of Wavelet Approximation Theory. , 2021, , 222-236.		0
672	Sampling Strategies for Compressive Imaging. , 2021, , 353-372.		0
673	Infinite-Dimensional Compressed Sensing. , 2021, , 334-348.		0
675	Images, Transforms and Sampling. , 2021, , 30-46.		0
677	Total Variation Minimization. , 2021, , 403-426.		0
681	From Global to Local. , 2021, , 241-266.		0
682	Recovery Guarantees for Wavelet-Based Compressive Imaging. , 2021, , 373-402.		0
683	Linear and Planar Array Pattern Nulling via Compressed Sensing. Journal of Telecommunications and Information Technology, 2021, 3, 50-55.	0.3	3
684	Local Structure and Nonuniform Recovery. , 2021, , 267-304.		0
686	Optimization for Compressed Sensing. , 2021, , 142-165.		0

#	ARTICLE	IF	CITATIONS
689	Local Structure and Uniform Recovery. , 2021, , 305-333.		0
690	Accuracy and Stability of Deep Learning for Compressive Imaging. , 2021, , 470-500.		0
691	An Introduction to Conventional Compressed Sensing. , 2021, , 105-128.		0
692	Bregman linearized reweighted alternating minimization for robust sparse recovery. Signal Processing, 2021, 188, 108194.	2.1	1
693	Sparse time-frequency distribution reconstruction based on the 2D RÃ©nyi entropy shrinkage algorithm. , 2021, 118, 103225.		5
694	LADMM-Net: An unrolled deep network for spectral image fusion from compressive data. Signal Processing, 2021, 189, 108239.	2.1	14
695	A Generalized Method for Binary Optimization: Convergence Analysis and Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	0
696	Robust Sparse Representation in Quaternion Space. IEEE Transactions on Image Processing, 2021, 30, 3637-3649.	6.0	16
697	Application of ADMM Algorithm in 3D Color Image Recovery. Advances in Applied Mathematics, 2021, 10, 1844-1854.	0.0	0
698	Compressed Positive Quadrature Filter. IEEE Transactions on Automatic Control, 2022, 67, 3633-3640.	3.6	3
700	Joint 6D k-q Space Compressed Sensing for Accelerated High Angular Resolution Diffusion MRI. Lecture Notes in Computer Science, 2015, 24, 782-793.	1.0	16
701	Self Equivalence of the Alternating Direction Method of Multipliers. Scientific Computation, 2016, , 165-194.	0.2	20
702	Hand Back Skin Texture for Personal Identification. , 2018, , 213-233.		1
704	Joint Sparsity-Based Robust Multimodal Biometrics Recognition. Lecture Notes in Computer Science, 2012, , 365-374.	1.0	21
705	Sparsity in Inverse Geophysical Problems. , 2015, , 1659-1687.		1
706	Sparse Softmax Vector Coding Based Deep Cascade Model. Communications in Computer and Information Science, 2017, , 603-614.	0.4	4
707	Group Sparse Representation for Restoring Blurred Images with Cauchy Noise. Journal of Scientific Computing, 2020, 83, 1.	1.1	30
709	Autoencoder-Based Latent Block-Diagonal Representation for Subspace Clustering. IEEE Transactions on Cybernetics, 2022, 52, 5408-5418.	6.2	9

#	ARTICLE	IF	CITATIONS
710	Enhanced Group Sparse Regularized Nonconvex Regression for Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, PP, 1-1.	9.7	13
711	Spatially adaptive total generalized variation-regularized image deblurring with impulse noise. Journal of Electronic Imaging, 2018, 27, 1.	0.5	15
712	Image denoising in impulsive noise via weighted Schatten p-norm regularization. Journal of Electronic Imaging, 2019, 28, 1.	0.5	4
713	Proximal splitting methods for fluorescence molecular tomography. Optical Engineering, 2018, 57, 1.	0.5	1
714	Compressive object tracking and classification using deep learning for infrared videos. , 2019, , .		11
715	Target tracking and classification directly in compressive measurement for low quality videos. , 2019, , .		9
716	Subspace dynamic simulation using rotation-strain coordinates. ACM Transactions on Graphics, 2015, 34, 1-12.	4.9	24
717	A Distributed Quasi-Newton Algorithm for Empirical Risk Minimization with Nonsmooth Regularization. , 2018, , .		7
718	Mutual coherence in compressive sensing seismic acquisition. , 2019, , .		7
719	Inverse problem based on the fast alternating direction method of multipliers algorithm in multiangle total internal reflection fluorescence microscopy. Applied Optics, 2018, 57, 9828.	0.9	1
720	3D Ear Identification Based on Sparse Representation. PLoS ONE, 2014, 9, e95506.	1.1	17
721	Ear Recognition from One Sample Per Person. PLoS ONE, 2015, 10, e0129505.	1.1	12
722	An Efficient Augmented Lagrangian Method for Statistical X-Ray CT Image Reconstruction. PLoS ONE, 2015, 10, e0140579.	1.1	5
723	Alternating algorithms for total variation image reconstruction from random projections. Inverse Problems and Imaging, 2012, 6, 547-563.	0.6	43
724	Learning circulant sensing kernels. Inverse Problems and Imaging, 2014, 8, 901-923.	0.6	13
725	Image segmentation based on the hybrid total variation model and the K-means clustering strategy. Inverse Problems and Imaging, 2016, 10, 807-828.	0.6	7
726	A fast ℓ_1 -solver and its applications to robust face recognition. Journal of Industrial and Management Optimization, 2012, 8, 163-178.	0.8	12
727	Relaxed augmented Lagrangian-based proximal point algorithms for convex optimization with linear constraints. Journal of Industrial and Management Optimization, 2014, 10, 743-759.	0.8	5

#	ARTICLE	IF	CITATIONS
728	An alternating direction method for solving a class of inverse semi-definite quadratic programming problems. Journal of Industrial and Management Optimization, 2015, 12, 317-336.	0.8	4
729	Target Tracking and Classification Using Compressive Measurements of MWIR and LWIR Coded Aperture Cameras. Journal of Signal and Information Processing, 2019, 10, 73-95.	0.8	13
730	Deep Learning Based Target Tracking and Classification for Infrared Videos Using Compressive Measurements. Journal of Signal and Information Processing, 2019, 10, 167-199.	0.8	13
731	Sparse Affinity Propagation for Image Analysis. Journal of Software, 2014, 9, .	0.6	3
732	Magni: A Python Package for Compressive Sampling and Reconstruction of Atomic Force Microscopy Images. Journal of Open Research Software, 2014, 2, .	2.7	8
733	Infrared image super-resolution via locality-constrained group sparse model. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 044202.	0.2	5
734	Construction of a circulant compressive measurement matrix based on chaotic sequence and RIPless theory. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 198402.	0.2	8
735	Constructing circulant measurement matrix through alternating optimizing amplitudes together with chaotic stochastic phases of the matrix generating elements. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 130702.	0.2	2
736	First-Order Methods for Convex Optimization. EURO Journal on Computational Optimization, 2021, 9, 100015.	1.5	14
738	Sparsity in Inverse Geophysical Problems. , 2013, , 1-25.		0
739	Review of sparse optimization-based computed tomography image reconstruction from few-view projections. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 208702.	0.2	5
741	On convergence analysis of dual proximal-gradient methods with approximate gradient for a class of nonsmooth convex minimization problems. Journal of Industrial and Management Optimization, 2015, 12, 389-402.	0.8	1
742	stimation of NON-WSSUS Channel for OFDM System: Exploiting Support Correlations through a Novel Adaptive Weighted Predict-Re-Estimate L1 Minimization. Journal of Communications, 2016, , .	1.3	0
743	Technical Program in full - Part II (RC 1 - VSP P1). , 2016, , .		0
744	Reservoir Characterization II Complete Session. , 2016, , .		0
745	Robust Face Recognition Model with Adaptive Correction Term via Generalized Alternating Direction Method of Multipliers. Lecture Notes in Computer Science, 2017, , 862-873.	1.0	0
746	An Improved Gradient Projection Method for Sparse Signal Reconstruction. Computer Science and Application, 2017, 07, 828-833.	0.0	0
747	Research and application on full information hydrocarbon-detection method based on sparse inversion spectral decomposition. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
748	An underwater turbulence degraded image restoration algorithm. , 2017, , .		0
751	Signal processing technique for spectrally RF congested and restricted environments using the U.S. Army Research Laboratory stepped-frequency ultra-wideband radar. , 2018, , .		0
752	Fast Algorithms for Compressed Sensing MRI Reconstruction. Springer Series on Bio- and Neurosystems, 2019, , 31-74.	0.2	1
753	High resolution processing method based on alternating direction algorithm and sparse inversion reflection coefficient characteristics. , 2018, , .		0
754	A Collaborative Neurodynamic Approach to Sparse Coding. Lecture Notes in Computer Science, 2019, , 454-462.	1.0	7
755	Group Discriminative Least Square Regression. , 2019, , .		0
756	Common Subspace Based Low-Rank and Joint Sparse Representation for Multi-view Face Recognition. Lecture Notes in Computer Science, 2019, , 145-156.	1.0	1
757	A Reweighted Total Variation Algorithm with the Alternating Direction Method for Computed Tomography. Advances in Computed Tomography, 2019, 08, 1-9.	0.3	0
758	Statistical compressive sensing based on convolutional Gaussian mixture model. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 180701.	0.2	2
759	ℓ_{p} -ADMM Algorithm for Sparse Image Recovery Under Impulsive Noise. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 1-9.	0.2	0
760	Hydrocarbon identification using the AVO response correction method based on high-resolution complex spectral decomposition. Interpretation, 2020, 8, SA49-SA61.	0.5	0
761	An Infimal Convolution based Penalty for Sparse Signal Recovery. , 2020, , .		0
762	Smoothing Modified Newton Algorithm Based on LpNorm Regularization for Signal Recovery. , 2020, , .		1
763	A multi-mode expansion method for boundary optimal control problems constrained by random Poisson equations. Electronic Research Archive, 2020, 28, 977-1000.	0.4	0
764	Subspace Clustering by Integrating Sparseness and Spatial-Closeness Priors. Journal of Physics: Conference Series, 2020, 1631, 012145.	0.3	0
765	The fast clustering algorithm for the big data based on K-means. International Journal of Wavelets, Multiresolution and Information Processing, 2020, 18, 2050053.	0.9	4
766	Low Correlation Interference OFDM-NLFM Waveform Design for MIMO Radar Based on Alternating Optimization. Sensors, 2021, 21, 7704.	2.1	1
767	CR-Sparse: Hardware accelerated functional algorithms for sparse signal processing in Python using JAX. Journal of Open Source Software, 2021, 6, 3917.	2.0	0

#	ARTICLE	IF	CITATIONS
768	Robust sparse recovery via a novel convex model. Applied Mathematics and Computation, 2022, 421, 126923.	1.4	1
769	An Algorithm Solving Compressive Sensing Problem Based on Maximal Monotone Operators. SIAM Journal of Scientific Computing, 2021, 43, A4067-A4094.	1.3	0
770	Sparse signal recovery via generalized gaussian function. Journal of Global Optimization, 2022, 83, 783-801.	1.1	1
771	An Efficient Sparse Sensing Based Interference Mitigation Approach For Automotive Radar. , 2021, , .		5
772	Injected Infrared and Visible Image Fusion via L_{1} Decomposition Model and Guided Filtering. IEEE Transactions on Computational Imaging, 2022, 8, 162-173.	2.6	30
773	SNR Enhancement for Multi-TE MRSI Using Joint Low-Dimensional Model and Spatial Constraints. IEEE Transactions on Biomedical Engineering, 2022, 69, 3087-3097.	2.5	1
774	Interpolation Problem on Outlier Contaminated Seismogram Using Extreme Learning Machine. Advances in Science, Technology and Innovation, 2022, , 211-213.	0.2	1
775	A linearly convergent proximal ADMM with new iterative format for BPDN in compressed sensing problem. AIMS Mathematics, 2022, 7, 10513-10533.	0.7	1
776	Target Reconstruction Against Deceptive Jamming for Single-Channel SAR: An Imagery Domain Approach. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	8
777	Fast and Efficient Union of Sparse Orthonormal Transforms via DCT and Bayesian Optimization. Applied Sciences (Switzerland), 2022, 12, 2421.	1.3	1
778	Enhancing the Throughput of FT Mass Spectrometry Imaging Using Joint Compressed Sensing and Subspace Modeling. Analytical Chemistry, 2022, 94, 5335-5343.	3.2	12
779	A faster stochastic alternating direction method for large scale convex composite problems. Applied Intelligence, 2022, 52, 14233-14245.	3.3	1
780	Signal Processing Using Dictionaries, Atoms, and Deep Learning: A Common Analysis-Synthesis Framework. Proceedings of the IEEE, 2022, 110, 454-475.	16.4	3
781	A golden ratio proximal alternating direction method of multipliers for separable convex optimization. Journal of Global Optimization, 2023, 87, 581-602.	1.1	1
782	Representation recovery via L_{1} -norm minimization with corrupted data. Information Sciences, 2022, 595, 395-426.	4.0	5
783	A deep learning framework for adaptive compressive sensing of high-speed train vibration responses. Structural Control and Health Monitoring, 2022, 29, .	1.9	4
785	Inversion-Based Pre-Stack Gather Flattening by Exploiting Temporal Sparsity. SSRN Electronic Journal, 0, , .	0.4	0
786	Weakly-Supervised Enhanced Semantic-Aware Hashing for Cross-Modal Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	13

#	ARTICLE	IF	CITATIONS
787	Dictionary optimization for greedy recovery in Modulated Wideband Converter based sub-Nyquist sensing. Signal Processing, 2022, , 108607.	2.1	1
788	Passive radar downrange imaging with multiple transmitters and one receiver. IET Radar, Sonar and Navigation, 0, , .	0.9	0
789	Compressed Sensing for MIMO Radar using SIW Antennas for High Resolution Detection. , 2022, , .		4
790	Outlier robust extreme learning machine to simulate discharge coefficient of side slots. Applied Water Science, 2022, 12, .	2.8	1
791	Estimating discharge coefficient of side weirs in trapezoidal and rectangular flumes using outlier robust extreme learning machine. Applied Water Science, 2022, 12, .	2.8	2
792	Gradient projection Newton pursuit for sparsity constrained optimization. Applied and Computational Harmonic Analysis, 2022, 61, 75-100.	1.1	4
793	Sparse signal reconstruction via collaborative neurodynamic optimization. Neural Networks, 2022, 154, 255-269.	3.3	15
794	Super-resolution beamformer with coherence factor treatment. , 2022, , .		0
795	Golden Ratio Primal-Dual Algorithm with Linesearch. SIAM Journal on Optimization, 2022, 32, 1584-1613.	1.2	5
796	Dictionary Learning-Based Multichannel ECG Reconstruction Using Compressive Sensing. IEEE Sensors Journal, 2022, 22, 16359-16369.	2.4	4
797	Extended randomized Kaczmarz method for sparse least squares and impulsive noise problems. Linear Algebra and Its Applications, 2022, 652, 132-154.	0.4	8
798	Low rank matrix recovery with impulsive noise. Applied Mathematics Letters, 2022, 134, 108364.	1.5	1
799	Cardinality Constrained Portfolio Optimization via Alternating Direction Method of Multipliers. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2901-2909.	7.2	7
800	Considerations about L2- and L1-norm regularizations for ultrasound reverberation characteristics imaging and vectorial Doppler measurement. , 2022, , .		0
801	CS-ROMER: a novel compressed sensing framework for Faraday depth reconstruction. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1955-1974.	1.6	2
802	Neurodynamics-based Iteratively Reweighted Convex Optimization for Sparse Signal Reconstruction. , 2022, , .		1
803	A Semismooth Newton-based Augmented Lagrangian Algorithm for Density Matrix Least Squares Problems. Journal of Optimization Theory and Applications, 0, , .	0.8	1
804	GRPDA Revisited: Relaxed Condition and Connection to Chambolle-Pock's Primal-Dual Algorithm. Journal of Scientific Computing, 2022, 93, .	1.1	1

#	ARTICLE	IF	CITATIONS
805	A reliable hybrid outlier robust non-tuned rapid machine learning model for multi-step ahead flood forecasting in Quebec, Canada. <i>Journal of Hydrology</i> , 2022, 614, 128592.	2.3	15
806	Inversion-based pre-stack gather flattening by exploiting temporal sparsity. , 2023, 132, 103783.		1
807	Stable and compact face recognition via unlabeled data driven sparse representation-based classification. <i>Signal Processing: Image Communication</i> , 2023, 111, 116889.	1.8	2
808	Sparse Stable Outlier-Robust Regression with Minimax Concave Function. , 2022, , .		3
809	On Grouping Effect of Sparse Stable Outlier-Robust Regression. , 2022, , .		2
810	An inexact ADMM with proximal-indefinite term and larger stepsize. <i>Applied Numerical Mathematics</i> , 2023, 184, 542-566.	1.2	4
811	Optimizing Sensing Matrices for Spherical Near-Field Antenna Measurements. <i>IEEE Transactions on Antennas and Propagation</i> , 2023, 71, 1716-1724.	3.1	0
812	Customized Alternating Direction Methods of Multipliers for Generalized Multi-facility Weber Problem. <i>Journal of Optimization Theory and Applications</i> , 0, , .	0.8	0
813	Sparse Image Reconstruction via Fast ICI Based Adaptive Thresholding. , 2022, , .		2
814	Parameter choices for sparse regularization with the $\hat{\alpha}_1$ norm $\langle \sup \rangle$. <i>Inverse Problems</i> , 2023, 39, 025004.	1.0	2
815	DOA Estimation in Impulsive Noise Based on FISTA Algorithm. <i>Remote Sensing</i> , 2023, 15, 565.	1.8	2
816	Data- and theory-guided learning of partial differential equations using Simultaneous basis function Approximation and Parameter Estimation (SNAPE). <i>Mechanical Systems and Signal Processing</i> , 2023, 189, 110059.	4.4	2
817	Sparse Stable Outlier-Robust Signal Recovery Under Gaussian Noise. <i>IEEE Transactions on Signal Processing</i> , 2023, 71, 372-387.	3.2	2
818	Iterative Difference Hard-Thresholding Algorithm for Sparse Signal Recovery. <i>IEEE Transactions on Signal Processing</i> , 2023, 71, 1093-1102.	3.2	0
819	Image reconstruction for the artificial compound eye based on deep learning. , 2023, , .		0
820	A Lorentzian- $\langle \mathbb{R}^n \rangle$ norm regularization based algorithm for recovering sparse signals in two types of impulsive noise. <i>Journal of Computational and Applied Mathematics</i> , 2023, 420, 115251.		
821	A Unified Design of Generalized Moreau Enhancement Matrix for Sparsity Aware LiGME Models. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2023, , .	0.2	1
822	Compressed Sensing Approach for Physiological Signals: A Review. <i>IEEE Sensors Journal</i> , 2023, 23, 5513-5534.	2.4	13

#	ARTICLE	IF	CITATIONS
823	Efficient dual ADMMs for sparse compressive sensing MRI reconstruction. <i>Mathematical Methods of Operations Research</i> , 0, , .	0.4	1
824	An extended linearized alternating direction method of multipliers for Fused-LASSO penalized linear regression. <i>Journal of Industrial and Management Optimization</i> , 2023, 19, 8074-8088.	0.8	0
825	Doubly iteratively reweighted algorithm for constrained compressed sensing models. <i>Computational Optimization and Applications</i> , 0, , .	0.9	0
826	Hyperspectral Image Super-Resolution via Learning an Undercomplete Dictionary and Intra-Algorithmic Postprocessing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-15.	2.7	1
827	A three-stage multi-objective heterogeneous integrated model with decomposition-reconstruction mechanism and adaptive segmentation error correction method for ship motion multi-step prediction. <i>Advanced Engineering Informatics</i> , 2023, 56, 101954.	4.0	7
828	A Review of Image Reconstruction Algorithms for Diffuse Optical Tomography. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 5016.	1.3	3
829	A linearly convergent self-adaptive gradient projection algorithm for sparse signal reconstruction in compressive sensing. <i>AIMS Mathematics</i> , 2023, 8, 14726-14746.	0.7	0
830	Quantum-Classical Solution Methods for Binary Compressive Sensing Problems. <i>Lecture Notes in Computer Science</i> , 2022, , 107-121.	1.0	1
837	Outlier-based models of the non-tuned neural network concept. , 2023, , 201-214.		0
849	SAUNet: Spatial-Attention Unfolding Network for Image Compressive Sensing. , 2023, , .		0
855	Parallelized ADMM with General Objectives for Deep Learning. <i>Lecture Notes in Computer Science</i> , 2024, , 398-410.	1.0	0
857	Compressive Coded-Aperture Light Field Imaging. , 2024, , 385-402.		0