CITATION REPORT List of articles citing



DOI: 10.1137/080716542 SIAM Journal on Imaging Sciences, 2009, 2, 183-202.

Source: https://exaly.com/paper-pdf/46859217/citation-report.pdf

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper IF	Citations
2225	Mathematics of Surfaces XIII. 2009,	O
2224	An accelerated gradient method for trace norm minimization. 2009,	231
2223	A Single-Pixel Imaging System for Remote Sensing by Two-Step Iterative Curvelet Thresholding. 2009 , 6, 676-680	21
2222	On Total Variation Minimization and Surface Evolution Using Parametric Maximum Flows. 2009 , 84, 288-307	86
2221	Accelerating gradient projection methods for . 2009 , 27, 247-254	43
2220	Fast gradient-based algorithms for constrained total variation image denoising and deblurring problems. 2009 , 18, 2419-34	1234
2219	A fast Iterative Shrinkage-Thresholding Algorithm with application to wavelet-based image deblurring. 2009 ,	67
2218	Accelerated Gradient Method for Multi-task Sparse Learning Problem. 2009,	88
2217	. 2009,	120
2216	. 2009,	26
2215	Wavelet Image Restoration and Regularization Parameters Selection. 2009,	
2214	Fast frame-based image deconvolution using variable splitting and constrained optimization. 2009,	23
2213	Subspace Correction Methods for Total Variation and \$ell_1\$-Minimization. 2009 , 47, 3397-3428	36
2212	A new fast active contour method for noise image segmentation. 2010 ,	1
2211	Block-Based Compressed Sensing of Images and Video. 2010 , 4, 297-416	115
2210	L1-L2 Optimization in Signal and Image Processing. 2010 , 27, 76-88	283
2209	Multiplicative Noise Removal Using L1 Fidelity on Frame Coefficients. 2010 , 36, 201-226	112

Dualization of Signal Recovery Problems. 2010 , 18, 373-404	53
Beyond the Narrowband Approximation: Wideband Convex Methods for Under-Determined Reverberant Audio Source Separation. 2010 , 18, 1818-1829	33
On the Role of Sparse and Redundant Representations in Image Processing. 2010 , 98, 972-982	409
2205 Computational Methods for Sparse Solution of Linear Inverse Problems. 2010 , 98, 948-958	595
2204 . 2010 , 4, 288-297	375
A rapid and robust numerical algorithm for sensitivity encoding with sparsity constraints: self-feeding sparse SENSE. 2010 , 64, 1078-88	41
Nonlinear regularization techniques for seismic tomography. 2010 , 229, 890-905	42
A New Wavelet-based image denoising using undecimated discrete wavelet transform and least squares support vector machine. 2010 , 37, 7040-7049	50
2200 Randomization of data acquisition and 🛭 - optimization (recognition with compression). 2010 , 71, 2259-2282	9
A General Framework for a Class of First Order Primal-Dual Algorithms for Convex Optimization in Imaging Science. <i>SIAM Journal on Imaging Sciences</i> , 2010 , 3, 1015-1046	391
2198 The multiscale competitive code via sparse representation for palmprint verification. 2010 ,	48
2197 . 2010 ,	11
2196 Iterated smoothing for accelerated gradient convex minimization in signal processing. 2010 ,	
2195 Fast image recovery using variable splitting and constrained optimization. 2010 , 19, 2345-56	770
2194 A new sparsity-enabled signal separation method based on signal resonance. 2010 ,	5
An augmented Lagrangian approach to linear inverse problems with compound regularization.	16
²¹⁹³ 2010 ,	
2193 2010 , 2192 A Bayesian perspective on sparse regularization for STAP post-processing. 2010 ,	21

2190	Reflection Removal of Tongue Image via Total Variation-Based Image Inpainting. 2010,	1
2189	Accelerated wavelet-regularized deconvolution for 3-D fluorescence microcopy. 2010 ,	
2188	On compressed sensing in parallel MRI of cardiac perfusion using temporal wavelet and TV regularization. 2010 ,	11
2187	Towards an efficient distributed object recognition system in wireless smart camera networks. 2010 ,	19
2186	Trace Norm Regularization: Reformulations, Algorithms, and Multi-Task Learning. 2010 , 20, 3465-3489	115
2185	Image quantization under spatial smoothness constraints. 2010,	
2184	Distributed Optimization and Statistical Learning via the Alternating Direction Method of Multipliers. 2010 , 3, 1-122	8387
2183	A new image denoising in shiftable complex directional pyramid domain. 2010 ,	
2182	Complex spectral decomposition via inversion strategies. 2010,	27
2181	Learning incoherent sparse and low-rank patterns from multiple tasks. 2010,	53
2180	An Introduction to Total Variation for Image Analysis. 2010,	14
2179	A Subband Adaptive Iterative Shrinkage/Thresholding Algorithm. 2010 , 58, 1131-1143	25
2178	Towards Structural Sparsity: An Explicit l2/l0 Approach. 2010 ,	13
2177	. 2010,	2
2176	Angle-Doppler processing using sparse regularization. 2010,	33
2175	Satellite image restoration in the context of a spatially varying point spread function. 2010 , 27, 1473-81	11
2174	Multiple targets tracking with Robust PCA-based background subtraction and Mean-shift driven particle filter. 2010 ,	
2173	An efficient algorithm for a class of fused lasso problems. 2010 ,	77

2172 Recent advances in RF tomography for underground imaging. 2010 ,	1
2171 Fast 🛚 -minimization algorithms and an application in robust face recognition: A review. 2010 ,	101
2170 Multiplicative noise removal using variable splitting and constrained optimization. 2010 , 19, 1720-30	227
2169 Restoration of Poissonian images using alternating direction optimization. 2010 , 19, 3133-45	284
2168 Image tag refinement towards low-rank, content-tag prior and error sparsity. 2010 ,	169
2167 Efficient Additive Models via the Generalized Lasso. 2010 ,	
2166 Sparse reconstruction methods in RF Tomography for underground imaging. 2010 ,	2
2165 Message passing algorithms for compressed sensing: II. analysis and validation. 2010 ,	54
2164 Impact of the parallel imaging reconstruction algorithm on brain activity detection in fMRI. 2010 ,	2
2163 Total Generalized Variation. SIAM Journal on Imaging Sciences, 2010 , 3, 492-526 1.9	890
2163 Total Generalized Variation. SIAM Journal on Imaging Sciences, 2010 , 3, 492-526 1.9 2162 . 2011 , 18, 363-366	890 22
2162 . 2011 , 18, 363-366	22
2162 . 2011 , 18, 363-366 2161 Image Matting via Local Tangent Space Alignment. 2011 ,	22
2162 . 2011, 18, 363-366 2161 Image Matting via Local Tangent Space Alignment. 2011, 2160 Calibrationless parallel MRI using CLEAR. 2011,	22
2162 . 2011, 18, 363-366 2161 Image Matting via Local Tangent Space Alignment. 2011, 2160 Calibrationless parallel MRI using CLEAR. 2011, 2159 Adaptive backtracking scheme for iterative shrinkage thresholding algorithms. 2011,	22 4 25
2162 . 2011, 18, 363-366 2161 Image Matting via Local Tangent Space Alignment. 2011, 2160 Calibrationless parallel MRI using CLEAR. 2011, 2159 Adaptive backtracking scheme for iterative shrinkage thresholding algorithms. 2011, 2158 Resource allocation for constrained backhaul in picocell networks. 2011,	22 4 25

2154	Nonparametric Copula Density Estimation in Sensor Networks. 2011 ,	1
2153	A generalized accelerated proximal gradient approach for total-variation-based image restoration. 2011 , 20, 2748-59	73
2152	Sparsity constrained sinogram inpainting for metal artifact reduction in x-ray computed tomography. 2011 ,	6
2151	Blind deconvolution of medical ultrasound images using variable splitting and proximal point methods. 2011 ,	1
2150	Fast and high quality super-resolution combined learning-based with TV regularization method. 2011 ,	1
2149	Efficient Deterministic Compressed Sensing for Images with Chirps and ReedMuller Codes. <i>SIAM Journal on Imaging Sciences</i> , 2011 , 4, 931-953	8
2148	. 2011,	1
2147	Fast model of space-variant blurring and its application to deconvolution in astronomy. 2011 ,	16
2146	Retrieval-based face annotation by weak label regularized local coordinate coding. 2011,	18
2145	Fisher Discrimination Dictionary Learning for sparse representation. 2011 ,	495
2144	Sparse Optimization with Least-Squares Constraints. 2011 , 21, 1201-1229	117
2143	Fast 🛚 - minimization and parallelization for face recognition. 2011,	2
2142	Distributed coordination for fast iterative optimization in wireless sensor/actuator networks. 2011,	
2141	Robust principal component analysis?. 2011 , 58, 1-37	3339
2140	Wavelet Frames and Image Restorations. 2011,	14
2139	Sparse image representation with epitomes. 2011 ,	14
2138	Sparse representation or collaborative representation: Which helps face recognition?. 2011 ,	823
2137	Fast TV-L1 optical flow for interactivity. 2011 ,	6

2136 l	lp-lq penalty for sparse linear and sparse multiple kernel multitask learning. 2011 , 22, 1307-20		60
	NESTA: A Fast and Accurate First-Order Method for Sparse Recovery. <i>SIAM Journal on Imaging Sciences</i> , 2011 , 4, 1-39	1.9	637
	Over-relaxation of the fast iterative shrinkage-thresholding algorithm with variable stepsize. 2011 , 27, 105008		27
2133	The minimum-rank gram matrix completion via modified fixed point continuation method. 2011 ,		4
2132	Sparse estimation of a covariance matrix. 2011 , 98, 807-820		160
2131	RF tomography for building penetration. 2011 ,		
2130	Multi-scale Mining of fMRI Data with Hierarchical Structured Sparsity. 2011 ,		16
	Wave field reconstruction from multiple plane intensity-only data: augmented lagrangian algorithm. 2011 , 28, 993-1002		17
2128	Overrelaxation of the fast iterative shrinkage/thresholding algorithm for fast signal recovery. 2011 ,		1
2127	Alternating Direction Algorithms for \$ell_1\$-Problems in Compressive Sensing. 2011 , 33, 250-278		708
2126	Multiuser Optimization: Distributed Algorithms and Error Analysis. 2011 , 21, 1046-1081		90
212	Robust Video Restoration by Joint Sparse and Low Rank Matrix Approximation. <i>SIAM Journal on Imaging Sciences</i> , 2011 , 4, 1122-1142	1.9	168
2124 (Gradient-Based Methods for Sparse Recovery. SIAM Journal on Imaging Sciences, 2011 , 4, 146-165	1.9	32
	An Accelerated Proximal Gradient Algorithm for Frame-Based Image Restoration via the Balanced Approach. <i>SIAM Journal on Imaging Sciences</i> , 2011 , 4, 573-596	1.9	48
2122	Efficient minimization for dictionary based sparse representation and signal recovery. 2011,		
2121 (Operator Algebras and Representation Theory: Frames, Wavelets and Fractals. 2011 , 901-978		
2120	Square-Root Lasso: Pivotal Recovery of Sparse Signals via Conic Programming. 2011 ,		3
2119 (Compressive sensing-based interior tomography: preliminary clinical application. 2011 , 35, 762-4		17

2118	Learning hierarchical and topographic dictionaries with structured sparsity. 2011,	13
2117	Sparse Representations for Packetized Predictive Networked Control. 2011 , 44, 84-89	17
2116	Optimization with Sparsity-Inducing Penalties. 2011 , 4, 1-106	419
2115	An automatic DSM and remote sensing images registration scheme using template matching technique. 2011 ,	
2114	The application of compressive sampling to radio astronomy. 2011 , 528, A31	55
2113	Microseismic record de-noising using a sparse time-frequency transform. 2011 ,	2
2112	Wavelet Based Restoration of Images with Missing or Damaged Pixels. 2011 , 1, 108-131	10
2111	The application of compressive sampling to radio astronomy. 2011 , 531, A126	29
211 0	Solving or resolving global tomographic models with spherical wavelets, and the scale and sparsity of seismic heterogeneity. 2011 , 187, 969-988	67
2109	Strong convergence of shrinking projection methods for a family of pseudocontractive mappings in Hilbert spaces. 2011 , 54, 3083-3089	1
2108	Efficient MR image reconstruction for compressed MR imaging. 2011 , 15, 670-9	227
2107	Wavelet-based edge correlation incorporated iterative reconstruction for undersampled MRI. 2011 , 29, 907-15	10
2106	Efficient Euclidean projections via Piecewise Root Finding and its application in gradient projection. 2011 , 74, 2754-2766	12
2105	SCIHTBB: Sparsity constrained iterative hard thresholding with BarzilaiBorwein step size. 2011 , 74, 3663-3676	3
2104	Resonance-based signal decomposition: A new sparsity-enabled signal analysis method. 2011 , 91, 2793-2809	145
2103	Augmented Lagrangian based reconstruction of non-uniformly sub-Nyquist sampled MRI data. 2011 , 91, 2731-2742	29
2102	Fast image inpainting and colorization by Chambolle∄ dual method. 2011 , 22, 529-542	10
2101	Deconvolving Poissonian images by a novel hybrid variational model. 2011 , 22, 643-652	15

2100	. 2011 , 5, 408-423	68
2099	Restoration of Astrophysical Spectra With Sparsity Constraints: Models and Algorithms. 2011 , 5, 1002-1013	18
2098	Compression artifact reduction based on total variation regularization method for MPEG-2. 2011 , 57, 253-259	10
2097	. 2011 , 60, 126-136	34
2096	. 2011 , 60, 3128-3139	10
2095	An augmented Lagrangian approach to the constrained optimization formulation of imaging inverse problems. 2011 , 20, 681-95	656
2094	An iterative shrinkage approach to total-variation image restoration. 2011 , 20, 1281-99	44
2093	Framelet algorithms for de-blurring images corrupted by impulse plus Gaussian noise. 2011 , 20, 1822-37	150
2092	Image deblurring and super-resolution by adaptive sparse domain selection and adaptive regularization. 2011 , 20, 1838-57	845
2091	Parallel proximal algorithm for image restoration using hybrid regularization. 2011 , 20, 2450-62	112
2090	. 2011 , 57, 6920-6941	116
2089	A fast compressed sensing approach to 3D MR image reconstruction. 2011 , 30, 1064-75	39
2088	Parallel MR image reconstruction using augmented Lagrangian methods. 2011 , 30, 694-706	149
2087	Total variation regularization for fMRI-based prediction of behavior. 2011 , 30, 1328-40	90
2086	Sparsity-driven reconstruction for FDOT with anatomical priors. 2011 , 30, 1143-53	26
2085	A fast wavelet-based reconstruction method for magnetic resonance imaging. 2011 , 30, 1649-60	94
2084	Spatially regularized compressed sensing for high angular resolution diffusion imaging. 2011 , 30, 1100-15	107
2083	A mixture model with a reference-based automatic selection of components for disease classification from protein and/or gene expression levels. 2011 , 12, 496	3

2082	Image denoising using bilateral filter and Gaussian scale mixtures in shiftable complex directional pyramid domain. 2011 , 37, 656-668	18
2081	Composite splitting algorithms for convex optimization. 2011 , 115, 1610-1622	60
2080	Image Denoising Using Gaussian Scale Mixtures with GaussianHermite PDF in Steerable Pyramid Domain. 2011 , 39, 245-258	3
2079	Proximal Algorithms for Multicomponent Image Recovery Problems. 2011 , 41, 3-22	39
2078	A First-Order Primal-Dual Algorithm for Convex Problems with Applications to Imaging. 2011 , 40, 120-145	2244
2077	Operator Splittings, Bregman Methods and Frame Shrinkage in Image Processing. 2011 , 92, 265-280	148
2076	Random algorithms for convex minimization problems. 2011 , 129, 225-253	53
2075	Incremental proximal methods for large scale convex optimization. 2011 , 129, 163-195	159
2074	A wavelet-based regularized reconstruction algorithm for SENSE parallel MRI with applications to neuroimaging. 2011 , 15, 185-201	61
2073	Restoration of images based on subspace optimization accelerating augmented Lagrangian approach. 2011 , 235, 2766-2774	5
2072	Templates for convex cone problems with applications to sparse signal recovery. 2011 , 3, 165-218	315
2071	Stable multi-label boosting for image annotation with structural feature selection. 2011 , 54, 2508-2521	6
2070	An augmented Lagrangian multi-scale dictionary learning algorithm. 2011 , 2011,	9
2069	Comparison of permissible source region and multispectral data using efficient bioluminescence tomography method. 2011 , 4, 824-39	22
2068	Non-smooth equations based method for 🛭 -norm problems with applications to compressed sensing. 2011 , 74, 3570-3577	66
2067	Convex approximations to sparse PCA via Lagrangian duality. 2011 , 39, 57-61	10
2066	A non-adapted sparse approximation of PDEs with stochastic inputs. 2011 , 230, 3015-3034	294
2065	Adaptive algorithms for sparse system identification. 2011 , 91, 1910-1919	69

2064 A box constrained gradient projection algorithm for compressed sensing. 2011 , 91, 1985-1992	5
COMPRESSED SENSING BY ITERATIVE THRESHOLDING OF GEOMETRIC WAVELETS: A COMPARING STUDY. 2011 , 09, 63-77	6
2062 Fast gradient-based algorithm for total variation regularized tomography reconstruction. 2011 ,	1
2061 Integrating low-rank and group-sparse structures for robust multi-task learning. 2011 ,	153
2060 . 2011 ,	
Image reconstruction from limited angle projections collected by multisource interior x-ray imaging systems. 2011 , 56, 6337-57	21
2058 Condy: Ultra-fast high performance restoration using multi-frame L2-relaxed-L0 sparsity and constrained dynamic heuristics. 2011 ,	2
Acceleration of adaptive proximal forward-backward splitting method and its application to sparse system identification. 2011 ,	12
2056 . 2011 , 59, 4447-4458	2
Adaptive deconvolutional networks for mid and high level feature learning 2011	
2055 Adaptive deconvolutional networks for mid and high level feature learning. 2011 ,	503
3D wavelet-based regularization for parallel MRI reconstruction: Impact on subject and group-level statistical sensitivity in fMRI. 2011 ,	503 2
3D wavelet-based regularization for parallel MRI reconstruction: Impact on subject and group-level	
3D wavelet-based regularization for parallel MRI reconstruction: Impact on subject and group-level statistical sensitivity in fMRI. 2011 ,	2
3D wavelet-based regularization for parallel MRI reconstruction: Impact on subject and group-level statistical sensitivity in fMRI. 2011 , 2053 . 2011 , 59, 3699-3711	2
3D wavelet-based regularization for parallel MRI reconstruction: Impact on subject and group-level statistical sensitivity in fMRI. 2011, 2053 . 2011, 59, 3699-3711 2052 An unsupervised algorithm for hybrid/morphological signal decomposition. 2011,	2 4 1
3D wavelet-based regularization for parallel MRI reconstruction: Impact on subject and group-level statistical sensitivity in fMRI. 2011, 2053 . 2011, 59, 3699-3711 2052 An unsupervised algorithm for hybrid/morphological signal decomposition. 2011, 2051 Toward a complete forward model for underground imaging Using RF tomography. 2011, Momentum Sequential Minimal Optimization: An accelerated method for Support Vector Machine	2 4 1
3D wavelet-based regularization for parallel MRI reconstruction: Impact on subject and group-level statistical sensitivity in fMRI. 2011, 2053 . 2011, 59, 3699-3711 2052 An unsupervised algorithm for hybrid/morphological signal decomposition. 2011, 2051 Toward a complete forward model for underground imaging Using RF tomography. 2011, 2050 Momentum Sequential Minimal Optimization: An accelerated method for Support Vector Machine training. 2011,	2 4 1 0

2040	A study of Nesterov's scheme for Lagrangian decomposition and MAP labeling. 2011,	19
2045	Towards low bit rate mobile visual search with multiple-channel coding. 2011,	34
2044	Group-Lasso on Splines for Spectrum Cartography. 2011 , 59, 4648-4663	71
2043	X-ray scattering tomography for biological applications. 2011 , 19, 219-27	14
2042	A PROJECTION APPROACH TO THE NUMERICAL ANALYSIS OF LIMIT LOAD PROBLEMS. 2011 , 21, 1291-1316	5
	Compressed sensing of diffusion MRI data using spatial regularization and positivity constraints. 2011 ,	
2010	Spectrally resolving and scattering-compensated x-ray luminescence/fluorescence computed tomography. 2011 , 16, 066014	34
2039	Proximity algorithms for image models: denoising. 2011 , 27, 045009	137
2038	Proximal Splitting Methods in Signal Processing. 2011 , 185-212	886
2037	. 2011,	1
2036	. 2011,	2
	. 2011 , A Signal Processing Approach to Generalized 1-D Total Variation. 2011 , 59, 5265-5274	2 79
2035		
2035	A Signal Processing Approach to Generalized 1-D Total Variation. 2011 , 59, 5265-5274	79
2035 2034	A Signal Processing Approach to Generalized 1-D Total Variation. 2011 , 59, 5265-5274	79
2035 2034 2033 2032	A Signal Processing Approach to Generalized 1-D Total Variation. 2011, 59, 5265-5274 . 2011, An ALPS view of sparse recovery. 2011,	79 2 13
2035 2034 2033 2032	A Signal Processing Approach to Generalized 1-D Total Variation. 2011, 59, 5265-5274 . 2011, An ALPS view of sparse recovery. 2011, Introducing total curvature for image processing. 2011,	79 2 13

2028	On a generalization of the iterative soft-thresholding algorithm for the case of non-separable penalty. 2011 , 27, 125007	60
2027	Image Restoration Based on the Hybrid Total-Variation-Type Model. 2012 , 2012, 1-30	1
2026	Image inpainting with primal-dual soft threshold algorithm for Total Variation and Curvelet Prior. 2012 ,	
2025	ELASTIC-NET REGULARIZATION FOR LOW-RANK MATRIX RECOVERY. 2012 , 10, 1250050	2
2024	New Nonsmooth Equations-Based Algorithms for -Norm Minimization and Applications. 2012 , 2012, 1-14	
2023	Robust and Practical Face Recognition via Structured Sparsity. 2012 , 331-344	34
2022	Fusion of wave atom-based Wiener shrinkage filter and joint non-local means filter for texture-preserving image deconvolution. 2012 , 51, 067009	3
2021	Joint L1 and total variation regularization for fluorescence molecular tomography. 2012 , 57, 1459-76	82
2020	Identifying disease sensitive and quantitative trait-relevant biomarkers from multidimensional heterogeneous imaging genetics data via sparse multimodal multitask learning. 2012 , 28, i127-36	90
2019	Web-scale multi-task feature selection for behavioral targeting. 2012 ,	6
	The black mater cask reactive selection for behavioral can getting. 2012 ,	O
2018	Robust Multi-Task Feature Learning. 2012 , 2012, 895-903	173
	Robust Multi-Task Feature Learning. 2012 , 2012, 895-903	173
2017	Robust Multi-Task Feature Learning. 2012, 2012, 895-903 Learning Incoherent Sparse and Low-Rank Patterns from Multiple Tasks. 2012, 5, 22 Compressive fluorescence microscopy using saliency-guided sparse reconstruction ensemble	173 63
2017	Robust Multi-Task Feature Learning. 2012, 2012, 895-903 Learning Incoherent Sparse and Low-Rank Patterns from Multiple Tasks. 2012, 5, 22 Compressive fluorescence microscopy using saliency-guided sparse reconstruction ensemble fusion. 2012, 20, 17281-96	173637
2017 2016	Robust Multi-Task Feature Learning. 2012, 2012, 895-903 Learning Incoherent Sparse and Low-Rank Patterns from Multiple Tasks. 2012, 5, 22 Compressive fluorescence microscopy using saliency-guided sparse reconstruction ensemble fusion. 2012, 20, 17281-96 A calibration procedure for ground-based RF tomography. 2012, A shrinkage-thresholding method for the inverse problem of Electrical Resistance Tomography.	173 63 7
2017 2016 2015 2014	Robust Multi-Task Feature Learning. 2012, 2012, 895-903 Learning Incoherent Sparse and Low-Rank Patterns from Multiple Tasks. 2012, 5, 22 Compressive fluorescence microscopy using saliency-guided sparse reconstruction ensemble fusion. 2012, 20, 17281-96 A calibration procedure for ground-based RF tomography. 2012, A shrinkage-thresholding method for the inverse problem of Electrical Resistance Tomography. 2012, Color image restoration based on framelet regularization. 2012,	173 63 7

Efficient sparse shape composition with its applications in biomedical image analysis: An overview. 2012 ,	
GISTA reconstructs faster with a restart strategy and even faster with a FISTA-like reconstruction. 2009 2012 ,	O
2008 lq matrix completion. 2012 ,	
2007 Seismic spectral decomposition and denoising with In-Crowd algorithm. 2012 ,	1
2006 Image restoration using non-circulant shift-invariant system models. 2012 ,	4
2005 Acousto-electromagnetic Tomography. 2012 , 72, 1592-1617	17
An Inexact Accelerated Proximal Gradient Method for Large Scale Linearly Constrained Convex SDP. 2012 , 22, 1042-1064	48
2003 . 2012,	16
2002 . 2012 , 60, 5714-5724	98
Image reconstruction based on L1 regularization and projection methods for electrical impedance tomography. 2012 , 83, 104707	26
2000 A Novel Target-Field Method Using LASSO Algorithm for Shim and Gradient Coil Design. 2012 , 22, 49006	504-4900604
An alternating direction method for frame-based image deblurring with balanced regularization. 2012,	4
1998 Saliency-guided compressive fluorescence microscopy. 2012 , 2012, 4365-8	1
Two variants of alternating direction method of multipliers without certain inner iterations and their application to image super-resolution. 2012 ,	1
1996 Large Margin Filtering. 2012 , 60, 648-659	9
1995 Execution time certification for gradient-based optimization in model predictive control. 2012 ,	12
1994 Robust joint reconstruction in compressed multi-view imaging. 2012 ,	
1993 Total variation image reconstruction for electrical capacitance tomography. 2012 ,	9

1992	Iterative regularization with a general penalty termtheory and application to L 1 and TV regularization. 2012 , 28, 104010	16
1991	Spatial and Angular Variational Super-Resolution of 4D Light Fields. 2012 , 608-621	46
1990	Inverse spectral decomposition with the SPGL1 algorithm. 2012 , 9, 423-427	19
1989	Correlated attribute transfer with multi-task graph-guided fusion. 2012,	14
1988	Norm sensitivity of sparsity regularization with respect to p. 2012 , 28, 104009	3
1987	Microseismic data denoising using a 3C group sparsity constrained time-frequency transform. 2012 , 77, V21-V29	65
1986	Level set estimation from compressive measurements using box constrained total variation regularization. 2012 ,	1
1985	Experimental results of repeat-pass SAR employing a visual pilot guidance system. 2012,	2
1984	A projected gradient algorithm for image restoration under Hessian matrix-norm regularization. 2012 ,	8
1983	Matrix completion by Truncated Nuclear Norm Regularization. 2012,	14
1982	What is optimized in tight convex relaxations for multi-label problems?. 2012,	9
1981	Reconstruction of HARDI using compressed sensing and its application to contrast HARDI. 2012,	
1980	Information theoretic discrepancy based iterative reconstruction for transmission tomography. 2012 ,	
1979	Scaled Heavy-Ball acceleration of the Richardson-Lucy algorithm. 2012 ,	2
1978	Discovering geographical topics in the twitter stream. 2012 ,	218
1977	Accelerated augmented Lagrangian method for few-view CT reconstruction. 2012,	
1976	A differential equations approach to l 1 -minimization with applications to array imaging. 2012 , 28, 105001	13
1975	Compressive Sampling for Remote Control Systems. 2012 , E95.A, 713-722	10

1974 Incorporating Additional Constraints in Sparse Estimation*. 2012, 45, 959-964

	mpressive Phase Retrieval From Squared Output Measurements Via Semidefinite ogramming*. 2012 , 45, 89-94	16
	ee-guided group lasso for multi-response regression with structured sparsity, with an application eQTL mapping. 2012 , 6,	76
1971 D ii	rect-path mitigation for ground-based RF tomography. 2012 ,	
	nple and Certifiable Quadratic Programming Algorithms for Embedded Linear Model Predictive ntrol. 2012 , 45, 14-20	18
1969 Co	nvex Estimation of Cointegrated VAR Models by a Nuclear Norm Penalty. 2012 , 45, 95-100	3
1968 ls t	there sparsity beyond additive models?. 2012 , 45, 971-976	3
1967 Co	nvex optimization techniques in system identification. 2012 , 45, 71-76	4
1966 C la	nssification via two layers sparse representation. 2012 ,	1
	earized Alternating Direction Method of Multipliers for Constrained Linear Least-Squares oblem. 2012 , 2, 326-341	15
1964 Sp	arse Group Lasso: Consistency and Climate Applications. 2012 ,	26
1963 Es l	imating networks with jumps. 2012 , 6, 2069-2106	19
1962 De	viation optimal learning using greedy \$Q\$-aggregation. 2012 , 40,	17
1961 St r	ructured Sparsity through Convex Optimization. 2012 , 27,	136
1960 Sp	arsity with sign-coherent groups of variables via the cooperative-Lasso. 2012 , 6,	16
1959 Th	e graphical lasso: New insights and alternatives. 2012 , 6, 2125-2149	124
1958 Fa	st global convergence of gradient methods for high-dimensional statistical recovery. 2012 , 40,	61
1957 Re	cent Advances of Large-Scale Linear Classification. 2012 , 100, 2584-2603	164

1956	Compressive sampling for networked feedback control. 2012 ,	10
1955	Smoothing and First Order Methods: A Unified Framework. 2012 , 22, 557-580	139
1954	Noisy Depth Maps Fusion for Multiview Stereo Via Matrix Completion. 2012 , 6, 566-582	32
1953	Efficient sparse modeling with automatic feature grouping. 2012 , 23, 1436-47	32
1952	The Natural Vectorial Total Variation Which Arises from Geometric Measure Theory. <i>SIAM Journal on Imaging Sciences</i> , 2012 , 5, 537-563	85
1951	A Multilevel Iterated-Shrinkage Approach to $\{1\}$ Penalized Least-Squares Minimization. 2012 , 60, 6319-6329	8
1950	Face recognition using sparse approximated nearest points between image sets. 2012 , 34, 1992-2004	135
1949	From phenotype to genotype: an association study of longitudinal phenotypic markers to Alzheimer's disease relevant SNPs. 2012 , 28, i619-i625	45
1948	Fast Multiple-Splitting Algorithms for Convex Optimization. 2012 , 22, 533-556	40
1947	Compressed magnetic resonance imaging based on wavelet sparsity and nonlocal total variation. 2012 ,	24
1946	Efficient Point-to-Subspace Query in 🛘 with Application to Robust Face Recognition. 2012 , 416-429	
1945	An augmented Lagrangian approach for sparse principal component analysis. 2012 , 135, 149-193	48
1944	Compressed sensing reconstruction of undersampled 3D NOESY spectra: application to large membrane proteins. 2012 , 54, 15-32	45
1943	Iterative algorithms for total variation-like reconstructions in seismic tomography. 2012 , 3, 179-208	20
1942	. 2012 , 50, 3364-3373	17
1941	VLSI Design of Approximate Message Passing for Signal Restoration and Compressive Sensing. 2012 , 2, 579-590	49
1940	Multi-Scale Saliency-Guided Compressive Sensing Approach to Efficient Robotic Laser Range Measurements. 2012 ,	7
1939	. 2012,	49

1938 Exploiting Structured Sparsity for Image Deblurring. 2012 ,	1
1937 A fast distributed proximal-gradient method. 2012 ,	70
1936 Mixed Poisson-Gaussian noise model based sparse denoising for hyperspectral imagery. 2012 ,	9
1935 The Image Matting Method with Regularized Matte. 2012 ,	4
1934 Temporal context in object recognition. 2012 ,	1
1933 Structured Sparsity Models for Brain Decoding from fMRI Data. 2012 ,	30
1932 Natural Image Matting with Total Variation Regularisation. 2012 ,	1
Visualization of Astronomical Nebulae via Distributed Multi-GPU Compressed Sensing Tomography. 2012 , 18, 2188-97	8
1930 . 2012 ,	10
Differential phase-contrast X-ray computed tomography: From model discretization to image reconstruction. 2012 ,	2
1928 Fast monotonic blind deconvolution algorithm for constrained TV based image restoration. 2012 ,	
1927 Scalable Training of Sparse Linear SVMs. 2012 ,	3
1926 Smoothing proximal gradient method for general structured sparse regression. 2012 , 6,	113
1925 Sparse methods for wind energy prediction. 2012 ,	3
Image reconstruction from highly undersampled (k, t)-space data with joint partial separability and sparsity constraints. 2012 , 31, 1809-20	187
Mixed-norm estimates for the M/EEG inverse problem using accelerated gradient methods. 2012 , 57, 1937-61	112
1922 A First-Order Augmented Lagrangian Method for Compressed Sensing. 2012 , 22, 429-459	15
1921 Structured sparsity regularization approach to the EEG inverse problem. 2012 ,	1

1920 Optimal Phase Transitions in Compressed Sensing. 2012 , 58, 6241-6263	72
Parallel architecture for analog-to-information converters via multibit delta-sigma modulation. 2012,	
1918 Alternating direction method for balanced image restoration. 2012 , 21, 4557-67	18
1917 Visual classification with multitask joint sparse representation. 2012 , 21, 4349-60	277
1916 Measure What Should be Measured: Progress and Challenges in Compressive Sensing. 2012 , 19, 88	7 -893 78
A NOVEL SUPERVISED STRUCTURE DICTIONARY LEARNING FOR CLASSIFICATION BASED ON SPARSE REPRESENTATION. 2012 , 26, 1255012	1
1914 MMSE denoising of sparse LQy processes via message passing. 2012 ,	1
1913 Smoothed 月-日 solvers for signal denoising. 2012 ,	2
1912 Graph-Oriented Learning via Automatic Group Sparsity for Data Analysis. 2012 ,	11
1911 Relaxing Tight Frame Condition in Parallel Proximal Methods for Signal Restoration. 2012 , 60, 968-	973 14
1910 Fast and globally optimal single view reconstruction of curved objects. 2012 ,	18
Split Bregman iterative algorithm for sparse reconstruction of electrical impedance tomography. 2012 , 92, 2952-2961	30
1908 Color demosaicking with an image formation model and adaptive PCA. 2012 , 23, 1019-1030	12
1907 Compressive Video Sampling With Approximate Message Passing Decoding. 2012 , 22, 1354-1364	27
1906 An MDL Framework for Sparse Coding and Dictionary Learning. 2012 , 60, 2913-2927	49
Wavelet Decomposition Method for \$L_2/\$/TV-Image Deblurring. <i>SIAM Journal on Imaging Science</i> . 2012 , 5, 857-885	s, 1.9 14
1904 . 2012 , 60, 2988-3003	176
Solving a low-rank factorization model for matrix completion by a nonlinear successive over-relaxation algorithm. 2012 , 4, 333-361	382

1902	Computing real solutions of polynomial systems via low-rank moment matrix completion. 2012,	3
1901	Image deblurring using derivative compressed sensing for optical imaging application. 2012 , 21, 3139-49	29
1900	DOA Estimation Using a Greedy Block Coordinate Descent Algorithm. 2012 , 60, 6382-6394	35
1899	Human identification from at-a-distance face images using sparse representation of local iris features. 2012 ,	16
1898	A new approach to beamformer design for massive MIMO systems based on k-Regularity. 2012,	10
1897	Gabor noise by example. 2012 , 31, 1-9	42
1896	Multiscale Mining of fMRI Data with Hierarchical Structured Sparsity. <i>SIAM Journal on Imaging Sciences</i> , 2012 , 5, 835-856	40
1895	Exact Regularization of Polyhedral Norms. 2012 , 22, 1206-1223	5
1894	Graph-guided sparse reconstruction for region tagging. 2012 ,	
1893	An alternating direction algorithm for total variation reconstruction of distributed parameters. 2012 , 21, 3004-16	16
1892	A comparative study on mammographic image denoising technique using wavelet, curvelet and contourlet transforms. 2012 ,	5
1891	Advances in Control and Communication. 2012,	6
1890	. 2012 , 60, 2882-2898	334
1889	Image annotation by semantic sparse recoding of visual content. 2012 ,	10
1888	Towards omni-tomographygrand fusion of multiple modalities for simultaneous interior tomography. 2012 , 7, e39700	30
1887	Finite detector based projection model for high spatial resolution. 2012 , 20, 229-38	26
1886	A Comprehensive Forward Model for Imaging under Irregular Terrain Using RF Tomography. 2012 , 2012, 1-15	4
1885	Face recognition by sparse representation. 515-539	O

(2012-2012)

1884	Super-Resolution Restoration and Image Reconstruction for Passive Millimeter Wave Imaging. 2012 ,	3
1883	Spatially regularized T(1) estimation from variable flip angles MRI. 2012 , 39, 4139-48	5
1882	Accelerated MR imaging using compressive sensing with no free parameters. 2012 , 68, 1450-7	31
1881	Robust image deblurring with an inaccurate blur kernel. 2012 , 21, 1624-34	40
1880	The heterogeneous feature selection with structural sparsity for multimedia annotation and hashing: a survey. 2012 , 1, 3-15	16
1879	Independent Component Analysis Based on Fast Proximal Gradient. 2012 , 31, 583-593	6
1878	Fast projections onto mixed-norm balls with applications. 2012 , 25, 358-377	9
1877	An Inexact Alternating Directions Algorithm for Constrained Total Variation Regularized Compressive Sensing Problems. 2012 , 44, 114-127	39
1876	An Accelerated Inexact Proximal Point Algorithm for Convex Minimization. 2012, 154, 536-548	12
1875	Sparse SAR imaging based on L 1/2 regularization. 2012 , 55, 1755-1775	26
1874	Sparse microwave imaging: Principles and applications. 2012 , 55, 1722-1754	80
1873	Experimental results and analysis of sparse microwave imaging from spaceborne radar raw data. 2012 , 55, 1801-1815	5
1872	A relaxed-PPA contraction method for sparse signal recovery. 2012 , 17, 141-146	
1871	An implementable proximal point algorithmic framework for nuclear norm minimization. 2012 , 133, 399-436	55
1870	Sample size selection in optimization methods for machine learning. 2012, 134, 127-155	132
1869	Implementation of an optimal first-order method for strongly convex total variation regularization. 2012 , 52, 329-356	79
1869 1868	2012 , 52, 329-356	79 12

1866	Towards robust and effective shape modeling: sparse shape composition. 2012 , 16, 265-77	221
1865	. 2012 , 48, 215-229	22
1864	Novel Variations of Group Sparse Regularization Techniques With Applications to Noise Robust Automatic Speech Recognition. 2012 , 20, 1337-1346	13
1863	Image reconstruction for hybrid true-color micro-CT. 2012 , 59, 1711-9	64
1862	Improved image recovery from compressed data contaminated with impulsive noise. 2012 , 21, 397-405	31
1861	An iterative L1-based image restoration algorithm with an adaptive parameter estimation. 2012 , 21, 1676-86	14
1860	Sparse Poisson noisy image deblurring. 2012 , 21, 1834-46	58
1859	BM3D frames and variational image deblurring. 2012 , 21, 1715-28	359
1858	Adaptive compressed sensing recovery utilizing the property of signal's autocorrelations. 2012 , 21, 2369-78	4
1857	The LASSO Risk for Gaussian Matrices. 2012 , 58, 1997-2017	108
1856	A splitting-based iterative algorithm for accelerated statistical X-ray CT reconstruction. 2012, 31, 677-88	162
1855	Resource allocation in an asymmetric technology race with temporary advantages. 2012 , 59, 128-145	6
1854	On the Representation of Functions with Gaussian Wave Packets. 2012 , 18, 146-181	12
1853	Augmented Lagrangian Method for Total Variation Based Image Restoration and Segmentation Over Triangulated Surfaces. 2012 , 50, 145-166	34
1852	Adaptive total variation regularization based scheme for Poisson noise removal. 2013 , 36, 290-299	6
1851	Compressed sensing reconstruction for whole-heart imaging with 3D radial trajectories: a graphics processing unit implementation. 2013 , 69, 91-102	50
1850	Inverse problems in spaces of measures. 2013 , 19, 190-218	84

1848	Accelerated Bregman Method for Linearly Constrained (ell _1)[ell _2) Minimization. 2013, 56, 515-534	14
	An Inexact Accelerated Proximal Gradient Method and a Dual Newton-CG Method for the Maximal Entropy Problem. 2013 , 157, 436-450	4
1846 I	Block coordinate descent algorithms for large-scale sparse multiclass classification. 2013 , 93, 31-52	42
1845 l	Learning with infinitely many features. 2013 , 91, 43-66	9
	ParNes: a rapidly convergent algorithm for accurate recovery of sparse and approximately sparse signals. 2013 , 64, 321-347	8
	Primal and dual alternating direction algorithms for 🛭 - 🗗 - norm minimization problems in compressive sensing. 2013 , 54, 441-459	34
1842	Saliency-guided compressive sensing approach to efficient laser range measurement. 2013 , 24, 160-170	9
1841 l	MR images reconstruction based on TVWL2🛭 1 model. 2013 , 24, 187-195	4
1840 	Robust spectral regression for face recognition. 2013 , 118, 33-40	8
1839 /	Accelerated edge-preserving image restoration without boundary artifacts. 2013 , 22, 2019-29	37
	Accelerated gradient methods and dual decomposition in distributed model predictive control. 2013 , 49, 829-833	147
	A double smoothing technique for solving unconstrained nondifferentiable convex optimization problems. 2013 , 54, 239-262	11
	An iterative algorithm for sparse and constrained recovery with applications to divergence-free current reconstructions in magneto-encephalography. 2013 , 54, 399-416	
1835 /	A cyclic projected gradient method. 2013 , 54, 417-440	7
	An Accelerated Hybrid Proximal Extragradient Method for Convex Optimization and Its Implications to Second-Order Methods. 2013 , 23, 1092-1125	43
1833 I	Fast alternating linearization methods for minimizing the sum of two convex functions. 2013 , 141, 349-382	114
1832 l	Robust image analysis with sparse representation on quantized visual features. 2013 , 22, 860-71	40
1831 l	PAR-Aware Large-Scale Multi-User MIMO-OFDM Downlink. 2013 , 31, 303-313	104

1830	Dual fast projected gradient method for quadratic programming. 2013 , 7, 631-645	8
1829	Efficient block-coordinate descent algorithms for the Group Lasso. 2013 , 5, 143-169	83
1828	Toward structural sparsity: an explicit (ell _{2}/ell _0) approach. 2013 , 36, 411-438	11
1827	Sparse and Non-Negative BSS for Noisy Data. 2013 , 61, 5620-5632	23
1826	Low-rank structure learning via nonconvex heuristic recovery. 2013 , 24, 383-96	82
1825	Recovery of Low-Rank Plus Compressed Sparse Matrices With Application to Unveiling Traffic Anomalies. 2013 , 59, 5186-5205	59
1824	The meaning of interior tomography. 2013 , 58, R161-86	56
1823	Robust structure from motion with affine camera via low-rank matrix recovery. 2013 , 56, 1-10	2
1822	Gunther: Search-Based Auto-Tuning of MapReduce. 2013 , 406-419	31
1821	Artificial Neural Networks and Machine Learning IICANN 2013. 2013 ,	5
1820	Geophysical data sparse reconstruction based on L0-norm minimization. 2013 , 10, 181-190	13
1819	A fixed-point augmented Lagrangian method for total variation minimization problems. 2013 , 24, 1168-1181	6
1818	Large sparse signal recovery by conjugate gradient algorithm based on smoothing technique. 2013 , 66, 24-32	16
1817	Multivariate pursuit image reconstruction using prior information beyond sparsity. 2013, 93, 1662-1672	6
1816	Tone-aware sparse representation for face recognition. 2013,	1
1815	From Compressed Sensing to Low-rank Matrix Recovery: Theory and Applications. 2013 , 39, 981-994	7
1814	Sparse Reverberant Audio Source Separation via Reweighted Analysis. 2013 , 21, 1391-1402	15
1813	Joint-sparse recovery in compressed sensing with dictionary mismatch. 2013,	6

(2013-2013)

1812	Gravity inversion using wavelet-based compression on parallel hybrid CPU/GPU systems: application to southwest Ghana. 2013 , 195, 1594-1619	37
1811	Fusion framework for multi-focus images based on compressed sensing. 2013 , 7, 290-299	12
1810	Pedestrian Detection with Unsupervised Multi-stage Feature Learning. 2013,	377
1809	Sparsity-enabled signal decomposition using tunable Q-factor wavelet transform for fault feature extraction of gearbox. 2013 , 41, 34-53	146
1808	Multi-source learning with block-wise missing data for Alzheimer's disease prediction. 2013,	31
1807	An efficient ADMM algorithm for multidimensional anisotropic total variation regularization problems. 2013 ,	31
1806	Low-rank modeling and its applications in medical image analysis. 2013,	5
1805	Calibrationless parallel MRI with joint total variation regularization. 2013 , 16, 106-14	25
1804	A method for joint sparse sampling of time and gradient domains in diffusion-ordered NMR spectroscopy. 2013 ,	2
1803	Robust feature selection based on regularized brownboost loss. 2013 , 54, 180-198	7
1802	A very simple SQCQP method for a class of smooth convex constrained minimization problems with nice convergence results. 2013 , 142, 349-369	4
1801	A customized proximal point algorithm for convex minimization with linear constraints. 2013 , 56, 559-572	23
1800	Parameter estimation for blind and non-blind deblurring using residual whiteness measures. 2013 , 22, 2751-63	45
1799	Deconvolving images with unknown boundaries using the alternating direction method of multipliers. 2013 , 22, 3074-86	88
1798	An iterative linear expansion of thresholds for Ebased image restoration. 2013 , 22, 3715-28	18
1797	A Proximal-Gradient Homotopy Method for the Sparse Least-Squares Problem. 2013 , 23, 1062-1091	51
1796	A fast proximal method for convolutional sparse coding. 2013,	26
1795	Conditional Gradient Algorithmsfor Rank-One Matrix Approximations with a Sparsity Constraint. 2013 , 55, 65-98	48

1794	An efficient matrix bi-factorization alternative optimization method for low-rank matrix recovery and completion. 2013 , 48, 8-18	22
1793	A distributed accelerated gradient algorithm for distributed model predictive control of a hydro power valley. 2013 , 21, 1594-1605	9
1792	Fast Wavelet Thresholding Algorithms for Face Image Inpainting. 2013,	1
1791	Sparse channel estimation of MIMO-OFDM systems with unconstrained smoothed l0-norm-regularized least squares compressed sensing. 2013 , 2013,	11
1790	Reconstruction based finger-knuckle-print verification with score level adaptive binary fusion. 2013 , 22, 5050-62	35
1789	Applying alternating direction method of multipliers for constrained dictionary learning. 2013 , 106, 126-136	28
1788	An image reconstruction algorithm for electrical capacitance tomography based on robust principle component analysis. 2013 , 13, 2076-92	15
1787	Recovery of the magnetic particle imaging system matrix using compressed sensing reconstruction. 2013 ,	2
1786	Real time eye blink noise removal from EEG signals using morphological component analysis. 2013 , 2013, 13-6	12
1785	VLSI Design of a Monolithic Compressive-Sensing Wideband Analog-to-Information Converter. 2013 , 3, 552-565	29
1784	Optimal preconditioning and iteration complexity bounds for gradient-based optimization in model predictive control. 2013 ,	6
1783	An efficient method for blocky and scratch noise removal. 2013 ,	
1782	Efficient Algorithms for Selecting Features with Arbitrary Group Constraints via Group Lasso. 2013,	3
1781	Efficient Accelerated Coordinate Descent Methods and Faster Algorithms for Solving Linear Systems. 2013 ,	40
1780	An Efficient Adaptive Total Variation Regularization for Image Denoising. 2013,	4
1779	Frame-based image deblurring with unknown boundary conditions using the alternating direction method of multipliers. 2013 ,	7
1778	A Proximal Point Algorithm for Sequential Feature Extraction Applications. 2013 , 35, A517-A540	4
1777	A Block Coordinate Descent Method for Regularized Multiconvex Optimization with Applications to Nonnegative Tensor Factorization and Completion. <i>SIAM Journal on Imaging Sciences</i> , 2013 , 6, 1758-1789 ^{1.9}	520

1776	A joint reconstruction algorithm for multi-view compressed imaging. 2013 ,	4
1775	Power-efficient CMOS image acquisition system based on compressive sampling. 2013 ,	5
1774	Local Linear Convergence of the Alternating Direction Method of Multipliers on Quadratic or Linear Programs. 2013 , 23, 2183-2207	93
1773	Fixed points of generalized approximate message passing with arbitrary matrices. 2013,	26
1772	Parallel and distributed sparse optimization. 2013,	33
1771	Expectation-Maximization Gaussian-Mixture Approximate Message Passing. 2013, 61, 4658-4672	253
1770	Social Sparsity! Neighborhood Systems Enrich Structured Shrinkage Operators. 2013 , 61, 2498-2511	49
1769	Fast dynamic MRI via nuclear norm minimization and accelerated proximal gradient. 2013,	1
1768	Feature extraction of face based on the sparse manifold configuration. 2013,	O
1767	A sparse nonuniformly partitioned multidelay filter for acoustic echo cancellation. 2013,	1
1766	3D Prior Image Constrained Projection Completion for X-ray CT Metal Artifact Reduction. 2013 , 60, 3318-3332	2 20
1765	Fast dictionary-based reconstruction for diffusion spectrum imaging. 2013 , 32, 2022-33	12
1764	. 2013 , 15, 633-646	43
1763	A fast Griffin-Lim algorithm. 2013 ,	39
1762	Regional spatially adaptive total variation super-resolution with spatial information filtering and clustering. 2013 , 22, 2327-42	54
1761	A Fast Method for Reconstruction of Total-Variation MR Images With a Periodic Boundary Condition. 2013 , 20, 291-294	10
1760	A multi-agent projected dual gradient method with primal convergence guarantees. 2013,	
1759	Blind deconvolution using a nondimensional Gaussianity measure. 2013 ,	3

1758 . 2013,

1757	Column-separated compressive sampling scheme for low power CMOS image sensors. 2013 ,	10
1756	Fast Convolutional Sparse Coding. 2013,	152
1755	Multi-capture High Dynamic Range compressive imaging. 2013,	3
1754	A Predictive Coding Framework for Learning to Predict Changes in Streaming Data. 2013,	1
1753	A Bayesian approach for natural image denoising. 2013 ,	3
1752	Accelerating ordered subsets image reconstruction for X-ray CT using spatially nonuniform optimization transfer. 2013 , 32, 1965-78	34
1751	An adaptive compressive sensing with side information. 2013,	7
1750	Separable Dictionary Learning. 2013,	49
1749	Local Sparse Discriminant Analysis for Robust Face Recognition. 2013,	1
1748	Genotype imputation via matrix completion. 2013 , 23, 509-18	42
1747	Dynamic Anomalography: Tracking Network Anomalies Via Sparsity and Low Rank. 2013 , 7, 50-66	82
1746	A hybrid simulated annealing thresholding algorithm for compressed sensing. 2013 , 93, 1577-1585	18
1745	Time-frequency mixed-norm estimates: sparse M/EEG imaging with non-stationary source activations. 2013 , 70, 410-22	139
1744	Accelerated Linearized Bregman Method. 2013 , 54, 428-453	35
1743	Sparse Adaptive Parameterization of Variability in Image Ensembles. 2013 , 101, 161-183	33
1742	Robust Visual Tracking via Structured Multi-Task Sparse Learning. 2013 , 101, 367-383	368
1741	A unifying analysis of projected gradient descent for β -constrained least squares. 2013 , 34, 366-378	18

1740 A group sparsity imaging algorithm for transient radio sources. 2013 , 1, 40-45	2
1739 Hybrid regularization image deblurring in the presence of impulsive noise. 2013 , 24, 1349-1359	6
Sparsity-constrained SENSE reconstruction: an efficient implementation using a fast composite splitting algorithm. 2013 , 31, 1218-27	13
An iterative thresholding algorithm for the inverse problem of electrical resistance tomography. 2013 , 33, 244-250	11
Continuous diffusion signal, EAP and ODF estimation via Compressive Sensing in diffusion MRI. 2013 , 17, 556-72	62
1735 A Class of Algorithms for Time-Frequency Multiplier Estimation. 2013 , 21, 1550-1559	11
Extraction of instantaneous frequency from seismic data via the generalized Morse wavelets. 2013 , 93, 83-92	10
Applying tensor-based morphometry to parametric surfaces can improve MRI-based disease diagnosis. 2013 , 74, 209-30	43
Sparse coding with adaptive dictionary learning for underdetermined blind speech separation. 2013 , 55, 432-450	20
1731 A sparse proximal Newton splitting method for constrained image deblurring. 2013 , 122, 245-257	12
1730 Accelerated regularization based SAR imaging via BCR and reduced Newton skills. 2013 , 93, 1831-184	44 37
1729 On analysis-based two-step interpolation methods for randomly sampled seismic data. 2013 , 51, 449	-461 13
1728 A fast convex conjugated algorithm for sparse recovery. 2013 , 115, 178-185	4
A discrepancy-based parameter adaptation and stopping rule for minimization algorithms aiming at Tikhonov-type regularization. 2013 , 29, 025008	2
1726 Flexible, inversion-based Matlab implementation of the Radon transform. 2013 , 52, 437-442	11
1725 On first-order algorithms for l1/nuclear norm minimization. 2013 , 22, 509-575	26
1724 Statistical analysis of big data on pharmacogenomics. 2013 , 65, 987-1000	34
Constrained Total Variation Deblurring Models and Fast Algorithms Based on Alternating Direction Method of Multipliers. <i>SIAM Journal on Imaging Sciences</i> , 2013 , 6, 680-697	1.9 126

1722	Image restoration with a high-order total variation minimization method. 2013, 37, 8210-8224	48
1721	Sparse reconstruction of the magnetic particle imaging system matrix. 2013 , 32, 1473-80	31
1720	Robust imaging of localized scatterers using the singular value decomposition and 🗈 minimization. 2013 , 29, 025016	23
1719	Efficient methods for overlapping group lasso. 2013 , 35, 2104-16	50
1718	A generalized quantile regression model. 2013 , 40, 1090-1105	6
1717	Phase Retrieval via Matrix Completion. <i>SIAM Journal on Imaging Sciences</i> , 2013 , 6, 199-225 1.9	305
1716	Shape sparse representation for joint object classification and segmentation. 2013 , 22, 992-1004	44
1715	Constructing Test Instances for Basis Pursuit Denoising. 2013 , 61, 1210-1214	20
1714	Joint discriminative dimensionality reduction and dictionary learning for face recognition. 2013 , 46, 2134-214	43 76
1713	Edge-preserving image deconvolution with nonlocal domain transform. 2013 , 54, 128-136	5
1712	Fast lEminimization algorithms for robust face recognition. 2013 , 22, 3234-46	233
1711	Dimensionality Reduction with Dimension Selection. 2013 , 508-519	1
1710	Hyperspectral Imagery Restoration Using Nonlocal Spectral-Spatial Structured Sparse Representation With Noise Estimation. 2013 , 6, 499-515	143
1709	A computational diffusion MRI and parametric dictionary learning framework for modeling the diffusion signal and its features. 2013 , 17, 830-43	20
1708	Adaptive inpainting algorithm based on DCT induced wavelet regularization. 2013, 22, 752-63	29
1707	A new iterative firm-thresholding algorithm for inverse problems with sparsity constraints. 2013 , 35, 151-164	15
1706	Hyperspectral Image Classification Based on Structured Sparse Logistic Regression and Three-Dimensional Wavelet Texture Features. 2013 , 51, 2276-2291	236
1705	Partial Data Resolving Power of Conductivity Imaging from Boundary Measurements. 2013 , 45, 1704-1722	13

1704	Robust ear identification using sparse representation of local texture descriptors. 2013 , 46, 73-85	66
1703	A fast tri-factorization method for low-rank matrix recovery and completion. 2013 , 46, 163-173	44
1702	Sparse Representation Prior and Total VariationBased Image Deblurring under Impulse Noise. SIAM Journal on Imaging Sciences, 2013, 6, 2258-2284	31
1701	Compressed sensing of streaming data. 2013,	7
1700	Robust image representation and decomposition by Laplacian regularized latent low-rank representation. 2013 ,	5
1699	Accelerated and Inexact Forward-Backward Algorithms. 2013 , 23, 1607-1633	82
1698	Novel multifocus image fusion and reconstruction framework based on compressed sensing. 2013 , 7, 837-847	19
1697	Accelerated augmented Lagrangian method for image reconstruction. 2013,	1
1696	Super-resolution Sparse Projected Capacitive Multitouch Sensing. 2013,	2
1695	Learnable low rank sparse models for speech denoising. 2013 ,	4
1695 1694	Learnable low rank sparse models for speech denoising. 2013, Fidelity-Beltrami-Sparsity Model for Inverse Problems in Multichannel Image Processing. SIAM Journal on Imaging Sciences, 2013, 6, 2685-2713	2
1694	Fidelity-Beltrami-Sparsity Model for Inverse Problems in Multichannel Image Processing. SIAM	
1694 1693	Fidelity-Beltrami-Sparsity Model for Inverse Problems in Multichannel Image Processing. SIAM Journal on Imaging Sciences, 2013, 6, 2685-2713	2
1694 1693	Fidelity-Beltrami-Sparsity Model for Inverse Problems in Multichannel Image Processing. SIAM Journal on Imaging Sciences, 2013, 6, 2685-2713 1.9 A comparison of typical p minimization algorithms. 2013, 119, 413-424	2 87
1694 1693 1692	Fidelity-Beltrami-Sparsity Model for Inverse Problems in Multichannel Image Processing. SIAM Journal on Imaging Sciences, 2013, 6, 2685-2713 1.9 A comparison of typical p minimization algorithms. 2013, 119, 413-424 Discrete representation of local orientation in grains using diffraction contrast tomography. 2013,	2 87
1694 1693 1692	Fidelity-Beltrami-Sparsity Model for Inverse Problems in Multichannel Image Processing. <i>SIAM Journal on Imaging Sciences</i> , 2013 , 6, 2685-2713 A comparison of typical \$\bar{p}\$ minimization algorithms. 2013 , 119, 413-424 Discrete representation of local orientation in grains using diffraction contrast tomography. 2013 , Fast tomographic reconstruction from limited data using artificial neural networks. 2013 , 22, 5238-51 A DouglasRachford Type Primal-Dual Method for Solving Inclusions with Mixtures of Composite	2 87 1
1694 1693 1692 1691	Fidelity-Beltrami-Sparsity Model for Inverse Problems in Multichannel Image Processing. SIAM Journal on Imaging Sciences, 2013, 6, 2685-2713 A comparison of typical p minimization algorithms. 2013, 119, 413-424 Discrete representation of local orientation in grains using diffraction contrast tomography. 2013, Fast tomographic reconstruction from limited data using artificial neural networks. 2013, 22, 5238-51 A DouglasRachford Type Primal-Dual Method for Solving Inclusions with Mixtures of Composite and Parallel-Sum Type Monotone Operators. 2013, 23, 2541-2565	2 87 1 77

1686	Visual Reranking through Weakly Supervised Multi-graph Learning. 2013,	52
1685	An accelerated sparse time-invariant Radon transform in the mixed frequency-time domain based on iterative 2D model shrinkage. 2013 , 78, V147-V155	28
1684	Deblurring atmospheric turbulence degraded images using an isolate edges prior. 2013,	
1683	Splitting-based statistical X-ray CT image reconstruction with blind gain correction. 2013,	
1682	Joint image registration and reconstruction from compressed multi-view measurements. 2013,	
1681	Noise-aware image deconvolution with multidirectional filters. 2013 , 52, 6792-8	2
1680	Phase retrieval in in-line x-ray phase contrast imaging based on total variation minimization. 2013 , 21, 710-23	18
1679	Filters with random transmittance for improving resolution in filter-array-based spectrometers. 2013 , 21, 3969-89	35
1678	Fast iterative reconstruction of differential phase contrast X-ray tomograms. 2013, 21, 5511-28	28
1677	Total variation minimization approach in in-line x-ray phase-contrast tomography. 2013 , 21, 12185-96	21
1676	Constrained regularized reconstruction of X-ray-DPCI tomograms with weighted-norm. 2013 , 21, 32340-8	8
1675	High-quality computational imaging through simple lenses. 2013 , 32, 1-14	72
1674	Large-scale multilabel propagation based on efficient sparse graph construction. 2013 , 10, 1-20	3
1673	High frame-rate low-power compressive sampling CMOS image sensor architecture. 2013,	
1672	Low-budget transient imaging using photonic mixer devices. 2013 , 32, 1-10	94
1671	Empirical Inference. 2013,	13
1670	A few-view reweighted sparsity hunting (FRESH) method for CT image reconstruction. 2013 , 21, 161-76	45
1669	Adaptive vectorial total variation models for multi-channel synthetic aperture radar images despeckling with fast algorithms. 2013 , 7, 795-804	5

1668 Fast iterative contourlet thresholding for compressed sensing MRI. 2013 , 49, 1206-1208	19
1667 Impulsive noise removal via sparse representation. 2013 , 22, 043014	8
A new super resolution method based on combined sparse representations for remote sensing imagery. 2013 ,	
$_{1665}$ A frequency based constraint for a multi-frequency linear sampling method. 2013 , 29, 095019	15
Blind Deconvolution of Atmospherically Degraded Infrared Images Using Normalized Sparsity Measure. 2013 , 347-350, 297-301	
1663 Spectral decomposition with f preconditioning. 2013 , 61, 152-165	14
1662 Formation, Simulation and Restoration of Hypertelescopes Images. 2013 , 59, 213-262	6
1661 Sparse Modeling of Intrinsic Correspondences. 2013 , 32, 459-468	69
1660 On Two Projection Algorithms for the Multiple-Sets Split Feasibility Problem. 2013 , 2013, 1-5	
1659 Sparse Recovery by Semi-Iterative Hard Thresholding Algorithm. 2013 , 2013, 1-6	
1658 Adaptive Morphologic Regularizations for Inverse Problems. 2013 , 195-206	1
A generalized distributed accelerated gradient method for distributed model predictive control with iteration complexity bounds. 2013 ,	6
1656 Hessian Schatten-norm regularization for linear inverse problems. 2013 , 22, 1873-88	102
$_{1655}$ Detection of concealed objects in passive millimeter wave imaging based on CS theory. 2013 ,	1
Discriminative Label Propagation for Multi-object Tracking with Sporadic Appearance Features. 2013 ,	11
1653 Efficient Learning for Models with DAG-Structured Parameter Constraints. 2013 ,	
1652 Ordered subsets with momentum for accelerated X-ray CT image reconstruction. 2013 ,	3
1651 Fast Image-Based Modeling of Astronomical Nebulae. 2013 , 32, 93-100	9

1650 A	A Generalized Forward-Backward Splitting. <i>SIAM Journal on Imaging Sciences</i> , 2013 , 6, 1199-1226 1.9	144
	mproved Iteratively Reweighted Least Squares for Unconstrained Smoothed \$ell_q\$ Minimization. 2013 , 51, 927-957	225
1648 (Convergence analysis of primal solutions in dual first-order methods. 2013 ,	
1647 N	Multi-task linear discriminant analysis for multi-view action recognition. 2013,	24
1646 E	Efficient learning from explanation of prediction errors in streaming data. 2013,	2
1645 F	Fast and accurate matrix completion via truncated nuclear norm regularization. 2013 , 35, 2117-30	404
1644 1	Fradeoffs in improved screening of lasso problems. 2013 ,	8
1643 [Direct Optimization of the Dictionary Learning Problem. 2013 , 61, 5495-5506	31
1642 <i>F</i>	Active Contours with Group Similarity. 2013 ,	20
1641 F	Prostate Segmentation in CT Images via Spatial-Constrained Transductive Lasso. 2013,	27
1640 [Distributed radar imaging using a spatially enhanced linear sampling method. 2013,	3
	Fast proximal algorithms for Self-concordant function minimization with application to sparse graph selection. 2013 ,	1
1638 F	Proximal Newton methods for convex composite optimization. 2013,	23
1637 .	2013 , 21, 2244-2254	
1636 A	A robust and efficient method to recover neural events from noisy and corrupted data. 2013,	9
1635 A	A Semismooth Newton Method for the Nearest Euclidean Distance Matrix Problem. 2013 , 34, 67-93	24
1634 <i>F</i>	A Fixed Point Iterative Method for Low n-Rank Tensor Pursuit. 2013 , 61, 2952-2962	32
1633 F	Projection-free parallel quadratic programming for linear model predictive control. 2013 , 86, 1367-1385	47

1632 Compressive sensing ISAR imaging with stepped frequency continuous wave via Gini sparsity. 2013,

1631	Efficient blind separation of reflection layers with nonparametric transformations. 2013,	1
1630	An accelerated first-order method for solving SOS relaxations of unconstrained polynomial optimization problems. 2013 , 28, 424-441	9
1629	Methods for large scale hydraulic fracture monitoring. 2013,	1
1628	Real time tracking via sparse representation. 2013,	
1627	Compressive estimation of UWA channels for OFDM transmission using iterative sparse reconstruction algorithms. 2013 ,	2
1626	Sparse autoregressive model estimation for learning granger causality in time series. 2013,	5
1625	On the Convergence of Block Coordinate Descent Type Methods. 2013 , 23, 2037-2060	215
1624	Augmented Lagrangian-Based Sparse Representation Method with Dictionary Updating for Image Deblurring. <i>SIAM Journal on Imaging Sciences</i> , 2013 , 6, 1689-1718	29
1623	A sparse representation for efficient bandwidth utilization in wireless surveillance networks. 2013 ,	O
1622	On the Nonasymptotic Convergence of Cyclic Coordinate Descent Methods. 2013 , 23, 576-601	49
1621	Dual Constrained TV-based Regularization on Graphs. SIAM Journal on Imaging Sciences, 2013, 6, 1246-1273	34
1620	Sparse probit factor analysis for learning analytics. 2013,	3
1619	. 2013,	153
1618	Bregman Iteration Based Efficient Algorithm for MR Image Reconstruction From Undersampled K-Space Data. 2013 , 20, 831-834	11
1617	Accelerated noncartesian sense reconstruction using a majorize-minimize algorithm combining variable-splitting. 2013 ,	2
1616	Kernel LMS algorithm with forward-backward splitting for dictionary learning. 2013,	18
1615	Adapted and Adaptive Linear Time-Frequency Representations: A Synthesis Point of View. 2013 , 30, 20-31	24

A proximal splitting approach to regularized distributed adaptive estimation in diffusion network 2013 ,	ks. 9
1613 Similarity Metric Learning for Face Recognition. 2013 ,	130
1612 Local-Aggregate Modeling for Multi-subject Neuroimage Data via Distributed Optimization. 2013	3,
$_{1611}$ Robust face recognition via double low-rank matrix recovery for feature extraction. 2013 ,	14
A compressive sensing imaging algorithm for millimeter-wave synthetic aperture imaging radiometer in near-field. 2013 ,	1
1609 . 2013 ,	17
1608 Logarithmic total variation regularization for cross-validation in photon-limited imaging. 2013 ,	5
1607 Hybrid method of quadratic and Total Variation penalizations in the CT image reconstruction. 20	13,
No Matter Where You Are: Flexible Graph-Guided Multi-task Learning for Multi-view Head Pose Classification under Target Motion. 2013 ,	69
1605 Design method of robust Kalman filter for multi output systems based on statistics. 2013 ,	3
1604 Beyond Moore-Penrose: Sparse pseudoinverse. 2013 ,	7
1603 Near-field electromagnetic holography for arbitrary surfaces using sparse regularization. 2013 ,	
1602 Robust object tracking based on accelerated sparse representation. 2013 ,	
1601 TV-based DOI De-blurring model for the dual-head flat-panel PET system. 2013 ,	
1600 Multi-dimensional sparse structured signal approximation using split bregman iterations. 2013 ,	1
1599 Compressed sensing of diffusion fields under heat equation constraint. 2013 ,	6
Deterministic matrices matching the compressed sensing phase transitions of Gaussian random matrices. 2013 , 110, 1181-6	100
EFFICIENT LARGE-SCALE SERVICE CLUSTERING VIA SPARSE FUNCTIONAL REPRESENTATION ANI ACCELERATED OPTIMIZATION. 2013 , 22, 1341001	D 1

1596	Fast compressed sensing analysis for super-resolution imaging using L1-homotopy. 2013 , 21, 28583-96	55
1595	Detection of electromagnetic pulses produced by hypervelocity micro particle impact plasmas. 2013 , 20, 092102	39
1594	Location constrained approximate message passing for compressed sensing MRI. 2013, 70, 370-81	3
1593	The Variational Structure of Disparity and Regularization of 4D Light Fields. 2013,	38
1592	Learning to Share Latent Tasks for Action Recognition. 2013,	33
1591	Query-dependent visual dictionary adaptation for image reranking. 2013,	2
1590	A LASSO FOR HIERARCHICAL INTERACTIONS. 2013 , 41, 1111-1141	213
1589	Primaldual first-order methods for a class of cone programming. 2013 , 28, 1262-1281	1
1588	A User's Guide to Compressed Sensing for Communications Systems. 2013 , E96.B, 685-712	125
1587	Extended CRC: Face Recognition with a Single Training Image per Person via Intraclass Variant Dictionary. 2013 , E96.D, 2290-2293	3
1586	An Improved Traffic Matrix Decomposition Method with Frequency-Domain Regularization. 2013 , E96.D, 731-734	1
1585	Learning with Submodular Functions: A Convex Optimization Perspective. 2013 , 6, 145-373	87
1584	High-resolution prestack seismic inversion using a hybrid FISTA least-squares strategy. 2013 , 78, R185-R195	29
1583	Direct deconvolution of radio synthesis images usingL1minimisation. 2013 , 557, A134	2
1582	First study of on-treatment volumetric imaging during respiratory gated VMAT. 2013, 40, 040701	17
1581	Modeling Multimodal Consumer Heterogeneity in Conjoint Analysis A Sparse Learning Approach. 2013 ,	
1580	A COMPRESSIVE SENSING APPROACH FOR SYNTHETIC APERTURE IMAGING RADIOMETERS. 2013 , 135, 583-599	6
1579	AN ACCURATE IMAGING ALGORITHM FOR MILLIMETER WAVE SYNTHETIC APERTURE IMAGING RADIOMETER IN NEAR-FIELD. 2013 , 141, 517-535	18

1578	Precoding incorporated MUI-PAPR reduction scheme in large-scale multi-user MIMO-OFDM downlink systems. 2013 ,	
1577	Complex Approximate Message Passing Algorithm for Two-Dimensional Compressed Sensing. 2013 , E96.A, 2391-2397	1
1576	Face recognition using sparse representation-based classification on k-nearest subspace. 2013 , 8, e59430	25
1575	Visible and Infrared Face Identification via Sparse Representation. 2013 , 2013, 1-10	1
1574	An accelerated proximal gradient algorithm for singly linearly constrained quadratic programs with box constraints. 2013 , 2013, 246596	
1573	The CS-Based Imaging Algorithm for Near-Field Synthetic Aperture Imaging Radiometer. 2014 , E97.C, 911-914	6
1572	GWAS in a box: statistical and visual analytics of structured associations via GenAMap. 2014 , 9, e97524	6
1571	3D face recognition based on multiple keypoint descriptors and sparse representation. 2014 , 9, e100120	21
1570	A dictionary learning approach with overlap for the low dose computed tomography reconstruction and its vectorial application to differential phase tomography. 2014 , 9, e114325	12
1569	Application of Compressive Sampling in Computer Based Monitoring of Power Systems. 2014 , 2014, 1-8	1
1568	REGULARIZATION IMAGING ALGORITHM WITH ACCURATE G MATRIX FOR NEAR-FIELD MMW SYNTHETIC APERTURE IMAGING RADIOMETER. 2014 , 58, 193-203	3
1567	An Optimization-based Framework to Learn Conditional Random Fields for Multi-label Classification. 2014 , 2014, 992-1000	2
1566	Multiresolution Tomography of Ionospheric Electron Density. 2014,	
1565	SPARSE MULTIRESOLUTION REGRESSION FOR UNCERTAINTY PROPAGATION. 2014 , 4, 303-331	14
1564	. 2014,	113
1563	An algorithm of face alignment and recognition by sparse and low rank decomposition. 2014 ,	
1562	Tracking anomalous community memberships in time-varying networks. 2014 ,	
1561	Recursive projected sparse matrix recovery (ReProSMR) with application in real-time video layer separation. 2014 ,	3

1560 An ADMM algorithm for optimal sensor and actuator selection. 2014 ,	67
A fast nonstationary iterative method with convex penalty for inverse problems in Hilbert spaces. 2014 , 30, 045012	5
1558 Image denoising using local contrast and adaptive mean in wavelet transform domain. 2014 , 12, 1450038	8
1557 Simultaneous feature and feature group selection through hard thresholding. 2014 ,	13
1556 A Proximal Stochastic Gradient Method with Progressive Variance Reduction. 2014 , 24, 2057-2075	179
1555 Compressive Sensing. 2014 , 1-48	1
1554 Low-Rank and Sparse Modeling for Visual Analysis. 2014 ,	1
SPARSE REPRESENTATION-BASED APPROACH FOR UNSUPERVISED FEATURE SELECTION. 2014 , 28, 1450006	2
1552 Total Variation in Imaging. 2014 , 1-39	1
1551 A joint classification approach via sparse representation for face recognition. 2014 ,	
Face and a live based on Law Paul, makely Page and the 2014	
1550 Face recognition based on Low-Rank matrix Representation. 2014 ,	4
1550 Face recognition based on Low-Rank matrix Representation. 2014, 1549 A proximal gradient algorithm for tracking cascades over networks. 2014,	4
	2
1549 A proximal gradient algorithm for tracking cascades over networks. 2014 ,	
1549 A proximal gradient algorithm for tracking cascades over networks. 2014 , 1548 Non-local total variation based low-dose Computed Tomography denoising. 2014 , 2014, 1083-6	2
A proximal gradient algorithm for tracking cascades over networks. 2014 , Non-local total variation based low-dose Computed Tomography denoising. 2014 , 2014, 1083-6 2D diffuse optical imaging using clustered sparsity. 2014 ,	2
A proximal gradient algorithm for tracking cascades over networks. 2014 , 1548 Non-local total variation based low-dose Computed Tomography denoising. 2014 , 2014, 1083-6 1547 2D diffuse optical imaging using clustered sparsity. 2014 , 1546 \$L_{1/2}\$ Regularization: Convergence of Iterative Half Thresholding Algorithm. 2014 , 62, 2317-2329	2 1 113

1542	Fault Detection via Sparse Representation for Semiconductor Manufacturing Processes. 2014 , 27, 252-259	18
1541	Matrix recovery from quantized and corrupted measurements. 2014,	15
1540	Scalable hierarchical multitask learning algorithms for conversion optimization in display advertising. 2014 ,	19
1539	Fast spatially variant deconvolution for optical microscopy via iterative shrinkage thresholding. 2014 ,	2
1538	Dynamic sparse coding with smoothing proximal gradient method. 2014 ,	2
1537	. 2014 , 22, 1905-1917	32
1536	Low-rank and (X-F)-space sparsity via fast composite splitting for accelerated dynamic MR imaging. 2014 ,	
1535	AnLqIpoptimization framework for image reconstruction of electrical resistance tomography. 2014 , 25, 125402	8
1534	Accelerated gradient methods for the x-ray imaging of solar flares. 2014 , 30, 055004	8
1533	ForwardBackward splitting method for quantitative photoacoustic tomography. 2014 , 30, 125012	5
1532	A fast sparse reconstruction algorithm for electrical tomography. 2014 , 25, 085401	13
1531	. 2014 , 62, 6102-6113	30
1530	Fast MR image reconstruction with orthogonal wavelet regularization via shift-variant shrinkage. 2014 ,	
1529	On multiple spectral dependent blurring kernels for super-resolution and hyperspectral imaging. 2014 ,	
1528	Phase retrieval through regularization for seismic problems. 2014 , 79, V153-V164	8
1527	1-Bit matrix completion. 2014, 3, 189-223	127
1526	Recovery of compressive video sensing via dictionary learning and forward prediction. 2014,	1
1525	. 2014,	2

Fast Partitioning of Vector-Valued Images. SIAM Journal on Imaging Sciences, 2014, 7, 1826-1852	1.9	51
Collaborative representation, sparsity or nonlinearity: What is key to dictionary based classification?. 2014 ,		3
1522 3D shape reconstruction using a novel multi-frequency linear sampling method predictor. 2014 ,		2
$_{1521}$ Proximity operator based alternating iteration algorithm for sparse signal recovery. 2014 ,		
1520 Block compressed sensing images using accelerated iterative shrinkage thresholding. 2014 ,		1
1519 A proximal alternating linearization method for nonconvex optimization problems. 2014 , 29, 771-785		3
$_{1518}$ Inexact fast alternating minimization algorithm for distributed model predictive control. 2014 ,		9
1517 Preliminaries. 2014, 5-10		
1516 Saliency Detection based on a Sparsity of Segments Model. 2014 ,		
Incomplete variables truncated conjugate gradient method for signal reconstruction in compressed sensing. 2014 , 288, 387-411		9
1514 . 2014 ,		3
1513 Bound Alternative Direction Optimization for Image Deblurring. 2014 , 2014, 1-12		
Image deblurring using empirical Wiener filter in the curvelet domain and joint non-local means filter in the spatial domain. 2014 , 62, 178-185		4
$_{1511}$ High-performance 3D deconvolution of fluorescence micrographs. 2014 ,		2
1510 Learning gene networks under SNP perturbations using eQTL datasets. 2014 , 10, e1003420		33
1509 An additive convolution model for fast restoration of nonuniform blurred images. 2014 , 91, 2446-246	6	4
1508 Aligning Projection Images from Binary Volumes. 2014 , 135, 21-42		1
Fast proximal gradient optimization of the empirical Bayesian Lasso for multiple quantitative trait		

1506 Pedestrian Detection Based on Multi-Stage Unsupervised Learning. 2014 , 687-691, 957-960	
A New Analysis of the Iterative Threshold Algorithm for RPCA by Primal-Dual Method. 2014 , 989-994, 2462-2466	4
1504 I Regularized Correntropy. 2014 , 61-83	
1503 Mixed Higher Order Variational Model for Image Recovery. 2014 , 2014, 1-15	
1502 A Large-Scale Network Data Analysis via Sparse and Low Rank Reconstruction. 2014 , 2014, 1-10	1
1501 The Moreau envelope approach for the L1/TV image denoising model. 2014 , 8, 53-77	14
1500 PURIFY: a new approach to radio-interferometric imaging. 2014 , 439, 3591-3604	61
Truncated Nuclear Norm Minimization for Image Restoration Based on Iterative Support Detection. 2014 , 2014, 1-17	5
Nonmonotone Adaptive Barzilai-Borwein Gradient Algorithm for Compressed Sensing. 2014 , 2014, 1-6	1
1497 Orthogonal Matching Pursuit for Sparse Quantile Regression. 2014 ,	7
1496 Fast distributed coordinate descent for non-strongly convex losses. 2014 ,	13
1495 Monotonicity and restart in fast gradient methods. 2014 ,	19
1494 Sparse two-dimensional FIR digital filters design using FISTA. 2014 ,	
Task-driven dictionary learning for hyperspectral image classification with structured sparsity priors. 2014 ,	
Robust Absolute Rotation Estimation via Low-Rank and Sparse Matrix Decomposition. 2014 ,	21
1491 . 2014 ,	2
1490 Coronary cine-angiography segmentation incorporating low-rank priori. 2014 ,	
$_{1489}$ Phase retrieval of sparse signals using optimization transfer and ADMM. 2014 ,	1

1488 To e or not to e in poisson image reconstruction. 2014 ,	5
Minimizing dataset bias: Discriminative multi-task sparse coding through shared subspace learning for image classification. 2014 ,	1
1486 Non linear sparse recovery algorithm. 2014 ,	2
A fast proximal gradient algorithm for reconstructing nonnegative signals with sparse transform coefficients. 2014 ,	1
1484 Preconditioning in fast dual gradient methods. 2014 ,	16
$_{1483}$ Large scale image understanding with non-convex multi-task learning. 2014 ,	3
1482 On convergence rate of Accelerated Dual Descent Algorithm. 2014 ,	0
Orbit Design and Control of Technology Validation Mission for Refractive Space Telescope in Formation Flying. 2014 ,	2
Comparison of sparse recovery algorithms for channel estimation in underwater acoustic OFDM with data-driven sparsity learning. 2014 , 13, 156-167	25
1479 Diagonal scaling in Douglas-Rachford splitting and ADMM. 2014 ,	27
1478 Model-based iterative tomographic reconstruction with adaptive sparsifying transforms. 2014 ,	2
1477 Convex optimization approach for stroke detection in microwave head imaging. 2014 ,	1
1476 Sparse recovery on GPUs: Accelerating the Iterative Soft-Thresholding Algorithm. 2014 ,	
Estimation of neuromagnetic sources using a REwheighted, STandardized, Recursively Iterated 1475 Cerebral Tomography Algorithm (RESTRICTA). 2014 ,	
Clustered Multi-task Linear Discriminant Analysis for View Invariant Color-Depth Action Recognition. 2014 ,	10
1473 On compensating unknown pixel behaviors for image sensors with embedded processing. 2014 ,	1
1472 High level high performance computing for multitask learning of time-varying models. 2014 ,	6
Discriminative Multi-Task Sparse Learning for Robust Visual Tracking Using Conditional Random Field. 2014 ,	

1470 A parallel method for large scale convex regression problems. 2014 ,	4
1469 Viewpoint interpolation: Direct and variational methods. 2014 ,	O
1468 A fast learning algorithm for multi-layer extreme learning machine. 2014 ,	11
1467 Discriminative Representative Selection via Structure Sparsity. 2014 ,	1
1466 O(1) Algorithms for Overlapping Group Sparsity. 2014 ,	5
1465 Nuclear Norm Regularized Sparse Coding. 2014 ,	6
Regularized Hierarchical Feature Learning with Non-negative Sparsity and Selectivity for Image Classification. 2014 ,	2
1463 Time-varying learning and content analytics via sparse factor analysis. 2014 ,	22
1462 Efficient multi-task feature learning with calibration. 2014 ,	27
1461 Multi-task Sparse Structure Learning. 2014,	12
1460 Compressed wavefront sensing. 2014 , 39, 1189-92	10
1459 . 2014,	12
 .2014, Compressive Sensing based Reconstruction for Early Time-gate Fluorescence Molecular Tomography. 2014, 	12
Compressive Sensing based Reconstruction for Early Time-gate Fluorescence Molecular	12
Compressive Sensing based Reconstruction for Early Time-gate Fluorescence Molecular Tomography. 2014 ,	12
Compressive Sensing based Reconstruction for Early Time-gate Fluorescence Molecular Tomography. 2014, Fast magnetic resonance parametric imaging via structured low-rank matrix reconstruction. 2014,	
Compressive Sensing based Reconstruction for Early Time-gate Fluorescence Molecular Tomography. 2014, Fast magnetic resonance parametric imaging via structured low-rank matrix reconstruction. 2014, Multi-object tracking using least absolute deviation. 2014,	1

1452	Nonuniform update for sparse target recovery in fluorescence molecular tomography accelerated by ordered subsets. 2014 , 5, 4249-59	22
1451	A Fourier-domain algorithm for total-variation regularized phase retrieval in differential X-ray phase contrast imaging. 2014 , 22, 450-62	15
1450	Tomographic reconstruction of the refractive index with hard X-rays: an efficient method based on the gradient vector-field approach. 2014 , 22, 5216-27	12
1449	Robust block sparse discriminative classification framework. 2014 , 31, 2806-13	2
1448	L(p) regularization for early gate fluorescence molecular tomography. 2014 , 39, 4156-9	55
1447	Purify: A new algorithmic framework for next-generation radio-interferometric imaging. 2014,	
1446	Back Matter. 2014 , 275-282	
1445	Sparse Packetized Predictive Control for Networked Control Over Erasure Channels. 2014 , 59, 1899-1905	63
1444	iPiano: Inertial Proximal Algorithm for Nonconvex Optimization. <i>SIAM Journal on Imaging Sciences</i> , 2014 , 7, 1388-1419	195
1443	Doubly sparse transform learning with convergence guarantees. 2014 ,	2
1442	Splitting methods in control. 2014 ,	4
1441	Sparse representations in nested non-linear models. 2014,	О
1440	Convex Regularizations for the Simultaneous Recording of Room Impulse Responses. 2014 , 62, 1976-1986	13
1439	A nonlocal structure tensor-based approach for multicomponent image recovery problems. 2014 , 23, 5531-44	48
1438		
	An acceleration procedure for optimal first-order methods. 2014 , 29, 610-628	4
1437	An acceleration procedure for optimal first-order methods. 2014 , 29, 610-628 Group-sparse matrix recovery. 2014 ,	1
1437 1436		

1434	Image Fusion with Local Spectral Consistency and Dynamic Gradient Sparsity. 2014,		70
1433	Positive Semidefinite Rank-based Correlation Matrix Estimation with Application to Semiparametric Graph Estimation. 2014 , 23, 895-922		20
1432	A noise-adjusted iterative randomized singular value decomposition method for hyperspectral image denoising. 2014 ,		2
1431	Large margin image set representation and classification. 2014,		2
1430	. 2014,		4
1429	DNA Copy Number Selection Using Robust Structured Sparsity-Inducing Norms. 2014 , 11, 168-81		5
1428	Partially Blind Deblurring of Barcode from Out-of-Focus Blur. <i>SIAM Journal on Imaging Sciences</i> , 2014 , 7, 740-760	1.9	8
1427	Rejoinder. 2014 , 82, 81-89		
1426	Adapted Basis for Nonlocal Reconstruction of Missing Spectrum. <i>SIAM Journal on Imaging Sciences</i> , 2014 , 7, 1484-1502	1.9	2
1425	Efficient kernel sparse coding via first-order smooth optimization. 2014 , 25, 1447-59		8
1424	Bayesian View Synthesis and Image-Based Rendering Principles. 2014,		31
1423	Forest Sparsity for Multi-Channel Compressive Sensing. 2014 , 62, 2803-2813		17
1422	Joint Sparse Recovery Method for Compressed Sensing With Structured Dictionary Mismatches. 2014 , 62, 4997-5008		118
1421	Computational removal ofbackground fluorescence for biological fluorescence microscopy. 2014 ,		O
1420	Spectral decomposition and de-noising via time-frequency and space-wavenumber reassignment. 2014 , 62, 244-257		12
1419	Solving Quasi-Variational Inequalities for Image Restoration with Adaptive Constraint Sets. <i>SIAM Journal on Imaging Sciences</i> , 2014 , 7, 2139-2174	1.9	5
1418	Compressed sensing of spatial electron paramagnetic resonance imaging. 2014 , 72, 893-901		11
1417	Smoothing and Decomposition for Analysis Sparse Recovery. 2014 , 62, 1762-1774		51

1416 Efficient method for solving one norm equality constrained problem. 2014,

Sparsity regularized nonlinear inverse reconstruction for subsampled parallel Dynamic Cardiac MRI. 2014 ,	
Combining total variation with nonlocal self-similarity constraint for compressed sensing MRI. 2014	2
Side information-aided compressed sensing reconstruction via approximate message passing. 2014 ,	5
Dictionary construction for sparse representation classification: A novel cluster-based approach. 2014 ,	1
1411 Audio declipping with social sparsity. 2014 ,	24
Teaching a new trick to an old dog: Revisiting the quadratic programming formulation of sparse recovery using ADMM. 2014 ,	3
1409 L0 Norm Based Dictionary Learning by Proximal Methods with Global Convergence. 2014 ,	18
1408 Iterative log thresholding. 2014 ,	15
1407 Generalized Nonconvex Nonsmooth Low-Rank Minimization. 2014,	121
1406 Max residual classifier. 2014 ,	1
1405 Online dictionary learning over distributed models. 2014 ,	7
Robust spectrotemporal decomposition by iteratively reweighted least squares. 2014 , 111, E5336-45	20
1403 What Videos Are Similar with You?. 2014 ,	42
1402 Convex optimization based downlink precoding for large-scale MIMO. 2014 ,	1
1401 Spatial subspace clustering for drill hole spectral data. 2014 , 8, 083644	10
1400 Coded and compressive THz imaging with metamaterials. 2014 ,	1
1399 Scalable audience targeted models for brand advertising on social networks. 2014 ,	4

1398	Matrix optimization for poisson compressed sensing. 2014,	4
1397	An auxiliary function approach for Lasso in music composition using cellular automata. 2014 , 41, 989-997	
1396	Blind spectral unmixing for compressive hyperspectral imaging of highly mixed data. 2014 ,	1
1395	3D-image restoration technique using Genetic Algorithm to solve blurring problems of images. 2014 , 62, 365-374	2
1394	Compressed sensing based channel estimation for uplink OFDMA systems. 2014,	1
1393	An Evolutionary Multiobjective Approach to Sparse Reconstruction. 2014 , 18, 827-845	93
1392	Flexible selective parallel algorithms for big data optimization. 2014,	3
1391	Comparative analysis of sparse signal recovery algorithms based on minimization norms. 2014,	2
1390	Edge and color preserving single image superresolution. 2014 , 23, 033002	5
1389	The Large Time-Frequency Analysis Toolbox 2.0. 2014 , 419-442	36
1388	The modified accelerated Bregman method for regularized basis pursuit problem. 2014 , 2014, 130	2
1387	A High-Order Model of TV and its Augmented Lagrangian Algorithm. 2014 , 568-570, 726-733	2
1386	GLIMPSE: accurate 3D weak lensing reconstructions using sparsity. 2014 , 440, 1281-1294	20
1385	A hierarchical-structured dictionary learning for image classification. 2014 ,	4
1384	An Improved Blind Deconvolution Algorithm of Motion Blurred Image. 2014 , 668-669, 1045-1049	
1383	Efficient total variation algorithm for fetal brain MRI reconstruction. 2014 , 17, 252-9	3
1382	Mixed-norm regularization for brain decoding. 2014 , 2014, 317056	6
1381	Energy preserved sampling for compressed sensing MRI. 2014 , 2014, 546814	24

Sparse Representation of Transients Based on Wavelet Basis and Majorization-Minimization Algorithm for Machinery Fault Diagnosis. 2014 , 2014, 1-11	9
1379 A Generalized Robust Minimization Framework for Low-Rank Matrix Recovery. 2014 , 2014, 1-8	6
1378 Integrating Globality and Locality for Robust Representation Based Classification. 2014 , 2014, 1-10	6
A Fast Iterative Pursuit Algorithm in Robust Face Recognition Based on Sparse Representation. 2014 , 2014, 1-11	3
1376 An efficient algorithm for weak hierarchical lasso. 2014 ,	4
1375 Automatic target recognition using group-structured sparse representation. 2014 ,	
DISTRIBUTED PROXIMAL-GRADIENT METHOD FOR CONVEX OPTIMIZATION WITH INEQUALITY CONSTRAINTS. 2014 , 56, 160-178	4
Sparse inversion of the Radon coefficients in the presence of erratic noise with application to simultaneous seismic source processing. 2014 ,	7
Hybrid model and structured sparsity for under-determined convolutive audio source separation. 2014 ,	3
1371 Spatial modeling via feature co-pooling and SG grafting. 2014 , 139, 415-422	
Solving OSCAR regularization problems by fast approximate proximal splitting algorithms. 2014 , 31, 124-135	5
1369 The benefit of tree sparsity in accelerated MRI. 2014 , 18, 834-42	43
1368 A boundary condition based deconvolution framework for image deblurring. 2014 , 261, 14-29	12
1367 Sparse algorithms of Random Weight Networks and applications. 2014 , 41, 2457-2462	25
An iteratively approximated gradient projection algorithm for sparse signal reconstruction. 2014,	7
1366 228, 454-462	
	4
¹³⁰⁰ 228, 454-462	3

1362	Iterative algorithms for finding minimum-norm fixed point of nonexpansive mappings and applications. 2014 , 37, 1137-1146	1
1361	Primal-dual algorithms for audio decomposition using mixed norms. 2014 , 8, 95-110	16
1360	Distance majorization and its applications. 2014 , 146, 409-436	9
1359	Proximal alternating linearized minimization for nonconvex and nonsmooth problems. 2014 , 146, 459-494	625
1358	Reconstruction of multi-view compressed imaging using weighted total variation. 2014, 20, 363-378	6
1357	An Evaluation of the Sparsity Degree for Sparse Recovery with Deterministic Measurement Matrices. 2014 , 48, 266-278	1
1356	Nonmonotone Barzilai B orwein Gradient Algorithm for (ell _{1})-Regularized Nonsmooth Minimization in Compressive Sensing. 2014 , 61, 17-41	12
1355	A sparsity preserving stochastic gradient methods for sparse regression. 2014 , 58, 455-482	8
1354	Convergence Analysis for a Primal-Dual Monotone + Skew Splitting Algorithm with Applications to Total Variation Minimization. 2014 , 49, 551-568	38
1353	Proximal methods for the latent group lasso penalty. 2014 , 58, 381-407	13
1352	Downscaling Satellite Precipitation with Emphasis on Extremes: A Variational 1 -Norm Regularization in the Derivative Domain. 2014 , 35, 765-783	15
1351	Efficient algorithms for robust and stable principal component pursuit problems. 2014 , 58, 1-29	21
1350	Stable Optimizationless Recovery from Phaseless Linear Measurements. 2014 , 20, 199-221	54
1349	Scale Adaptive Dictionary Learning. 2014 , 23, 837-47	23
1348	. 2014 , 59, 18-33	143
1347	A fast dual proximal gradient algorithm for convex minimization and applications. 2014 , 42, 1-6	49
1346	Fingerprint Compression Based on Sparse Representation. 2014 , 23, 489-501	23
1345	Learning Category-Specific Dictionary and Shared Dictionary for Fine-Grained Image Categorization. 2014 , 23, 623-34	124

1344	Synthetic aperture radar imaging based on attributed scatter model using sparse recovery techniques. 2014 , 21, 223-231	3
1343	Learning with tensors: a framework based on convex optimization and spectral regularization. 2014 , 94, 303-351	123
1342	Proximity point algorithm for low-rank matrix recovery from sparse noise corrupted data. 2014 , 35, 259-268	4
1341	An ADMM algorithm for second-order TV-based MR image reconstruction. 2014 , 67, 827-843	20
1340	Image Deblurring Via Combined Total Variation and Framelet. 2014 , 33, 1899-1916	11
1339	Inter-observer variability of LV mass and volumes with compressed sensing. 2014 , 16, W37	78
1338	Sub-30 ms real-time, free-breathing cardiac imaging with SPIRiT. 2014 , 16,	1
1337	Accuracy of compressed sensing for left ventricular mass and volumes. 2014 , 16, P381	78
1336	Generalized row-action methods for tomographic imaging. 2014 , 67, 121-144	17
1335	Sparsity-based edge noise removal from bilevel graphical document images. 2014 , 17, 161-179	6
1334	Next Generation Statistical Genetics: Modeling, Penalization, and Optimization in High-Dimensional Data. 2014 , 1, 279-300	31
1333	Group subset selection for linear regression. 2014 , 75, 39-52	6
1332	A Brief Survey of Modern Optimization for Statisticians. 2014 , 82, 46-70	23
1331	A Unified Formulation of Gaussian Versus Sparse Stochastic Processes P art I: Continuous-Domain Theory. 2014 , 60, 1945-1962	29
1330	Joint non-Gaussian denoising and superresolving of raw high frame rate videos. 2014 , 23, 1154-68	16
1329	Quadtree structured image approximation for denoising and interpolation. 2014 , 23, 1226-39	2
1328	Accelerated nonlinear multichannel ultrasonic tomographic imaging using target sparseness. 2014 , 23, 1379-93	2
1327	Tensor-based formulation and nuclear norm regularization for multienergy computed tomography. 2014 , 23, 1678-93	183

1326	Two soft-thresholding based iterative algorithms for image deblurring. 2014 , 271, 179-195	23
1325	The Earth's Hydrological Cycle. 2014 ,	7
1324	Kernel representation-based nearest neighbor classifier. 2014 , 125, 2320-2326	1
1323	Identifying gene-environment and gene-gene interactions using a progressive penalization approach. 2014 , 38, 353-68	11
1322	Sparsity-Aware Learning and Compressed Sensing: An Overview. 2014 , 1, 1271-1377	7
1321	. 2014 , 16, 785-795	51
1320	On Stochastic Subgradient Mirror-Descent Algorithm with Weighted Averaging. 2014 , 24, 84-107	42
1319	A Dynamical Approach to an Inertial Forward-Backward Algorithm for Convex Minimization. 2014 , 24, 232-256	87
1318	A Semismooth Newton Method with Multidimensional Filter Globalization for \$l_1\$-Optimization. 2014 , 24, 298-333	36
1317	Backhaul Limited Asymmetric Cooperation for MIMO Cellular Networks via Semidefinite Relaxation. 2014 , 62, 684-693	63
1316	A Fourier-based compressed sensing technique for accelerated CT image reconstruction using first-order methods. 2014 , 59, 3097-119	10
1315	Sparse channel estimation of pulse-shaping multiple-inputfhultiple-output orthogonal frequency division multiplexing systems with an approximate gradient l2 🖾 l0 reconstruction algorithm. 2014 , 8, 1124-1131	6
1314	Accelerated Dual Descent for Network Flow Optimization. 2014 , 59, 905-920	52
1313	Disease prediction based on functional connectomes using a scalable and spatially-informed support vector machine. 2014 , 96, 183-202	46
1312	Multi-link wavelets on hierarchical graphs. 2014 , 37, 1-11	1
1311	Regularized matrix regression. 2014 , 76, 463-483	89
1310	Measurement and decomposition of periodic flow structures downstream of a test turbine. 2014 , 55, 1	5
1309	A modified POCS-based reconstruction method for compressively sampled MR imaging. 2014 , 24, 203-207	6

1308	A Primal Dual Active Set Algorithm With Continuation for Compressed Sensing. 2014 , 62, 6276-6285	26
1307	What is optimized in convex relaxations for multilabel problems: connecting discrete and continuously inspired MAP inference. 2014 , 36, 157-70	14
1306	Total variation regularization and fast algorithms based on alternating direction method. 2014,	
1305	Dynamic clutter mitigation using sparse optimization. 2014 , 29, 37-49	9
1304	. 2014,	7
1303	Efficient Point-to-Subspace Query in \$ell^1\$ with Application to Robust Object Instance Recognition. SIAM Journal on Imaging Sciences, 2014 , 7, 2105-2138	1
1302	On the convergence of approximate message passing with arbitrary matrices. 2014 ,	68
1301	Signal decomposition for wind turbine clutter mitigation. 2014,	8
1300	An Inexact Proximal Path-Following Algorithm for Constrained Convex Minimization. 2014 , 24, 1718-1745	12
1299	Predictive support recovery with TV-Elastic Net penalty and logistic regression: An application to structural MRI. 2014 ,	10
1298	Variational Justification of Cycle Spinning for Wavelet-Based Solutions of Inverse Problems. 2014 , 21, 1326-1330	29
1297	On the Iteration Complexity of Cyclic Coordinate Gradient Descent Methods. 2014 , 24, 1567-1580	8
1296	\${L^1}\$ Control Theoretic Smoothing Splines. 2014 , 21, 1394-1397	6
1295	Regularised region-based Mixture of Gaussians for dynamic background modelling. 2014,	1
1294	Fast Alternating Direction Optimization Methods. SIAM Journal on Imaging Sciences, 2014 , 7, 1588-1623 1.9	345
1293	Robust Image Reconstruction from Multiview Measurements. <i>SIAM Journal on Imaging Sciences</i> , 2014 , 7, 128-156	7
1292	Scalable sparse shape composition and its application to liver surgical planning. 2014,	1
1291	Analysis dictionary learning based on Nesterov's gradient with application to SAR image despeckling. 2014 ,	

1290 Subspace clustering applied to face images. 2014 ,	0
1289 Flexible parallel algorithms for big data optimization. 2014 ,	16
1288 Generalized proximal conjugate gradient method for image deblurring. 2014,	
$_{ m 1287}$ Supervised trace lasso for robust face recognition. 2014 ,	5
1286 Exploiting the wavelet structure in compressed sensing MRI. 2014 , 32, 1377-89	37
1285 Image registration guided, sparsity constrained reconstructions for dynamic MRI. 2014 , 32, 1403-17	4
1284 Fast multi-contrast MRI reconstruction. 2014 , 32, 1344-52	68
Automated Recovery of Compressedly Observed Sparse Signals From Smooth Background. 2014 , 21, 1012-1016	1
1282 Compressed matched filter for non-Gaussian noise. 2014 ,	1
1281 . 2014 , 16, 427-439	100
1281 . 2014, 16, 427-439 1280 Robust bilinear matrix recovery by Tensor Low-Rank Representation. 2014,	3
1280 Robust bilinear matrix recovery by Tensor Low-Rank Representation. 2014 ,	3
Robust bilinear matrix recovery by Tensor Low-Rank Representation. 2014 , Robust Recovery of Corrupted Low-RankMatrix by Implicit Regularizers. 2014 , 36, 770-83	3 42
Robust bilinear matrix recovery by Tensor Low-Rank Representation. 2014, Robust Recovery of Corrupted Low-RankMatrix by Implicit Regularizers. 2014, 36, 770-83 Improved Robust PCA using low-rank denoising with optimal singular value shrinkage. 2014, Preconditioning for Accelerated Iteratively Reweighted Least Squares in Structured Sparsity	3 42 14
Robust bilinear matrix recovery by Tensor Low-Rank Representation. 2014, Robust Recovery of Corrupted Low-RankMatrix by Implicit Regularizers. 2014, 36, 770-83 Improved Robust PCA using low-rank denoising with optimal singular value shrinkage. 2014, Preconditioning for Accelerated Iteratively Reweighted Least Squares in Structured Sparsity Reconstruction. 2014,	3 42 14 22
Robust bilinear matrix recovery by Tensor Low-Rank Representation. 2014, Robust Recovery of Corrupted Low-RankMatrix by Implicit Regularizers. 2014, 36, 770-83 Improved Robust PCA using low-rank denoising with optimal singular value shrinkage. 2014, Preconditioning for Accelerated Iteratively Reweighted Least Squares in Structured Sparsity Reconstruction. 2014, Sparse Recovery of Streaming Signals Using \$ell_1\$-Homotopy. 2014, 62, 4209-4223	3 42 14 22 79

1272	Decreasing Weighted Sorted \${ell_1}\$ Regularization. 2014 , 21, 1240-1244	20
1271	Sparsity-enabled signal transient feature extraction using wavelet basis and constrained optimization algorithm. 2014 ,	
1270	Object category pose estimation based on sparse representation and rank minimization. 2014,	
1269	Structured sparse-low rank matrix factorization for the EEG inverse problem. 2014 ,	
1268	Face Recognition With Image Sets Using Locally Grassmannian Discriminant Analysis. 2014 , 24, 1461-1474	8
1267	Fine granularity spatially adaptive regularization for TVL1 based image deblurring. 2014,	
1266	Total Nuclear Variation and Jacobian Extensions of Total Variation for Vector Fields. 2014 , 23, 3975-3989	26
1265	Robust object tracking using least absolute deviation. 2014 , 32, 930-939	4
1264	Approximation of penalty terms in Tikhonov functionals theory and applications in inverse problems. 2014 , 30, 075005	2
1263	Localization of extended current source with finite frequencies. 2014 , 352, 917-921	3
1262	Terahertz compressive imaging with metamaterial spatial light modulators. 2014 , 8, 605-609	475
1261	A universal variational framework for sparsity-based image inpainting. 2014 , 23, 4242-54	27
1260	Shrinkage mappings and their induced penalty functions. 2014 ,	34
1259	. 2014,	10
1258	Structure-preserving sparse decomposition for facial expression analysis. 2014 , 23, 3590-603	53
1257	Segmentation of high angular resolution diffusion MRI using sparse riemannian manifold clustering. 2014 , 33, 301-17	26
1256	Recent Developments on Primal D ual Splitting Methods with Applications to Convex Minimization. 2014 , 57-99	2
1255	Automatic motion capture data denoising via filtered subspace clustering and low rank matrix approximation. 2014 , 105, 350-362	18

1254	A block coordinate descent method of multipliers: Convergence analysis and applications. 2014,	2
1253	Diffuse optical tomography enhanced by clustered sparsity for functional brain imaging. 2014 , 33, 2323-31	19
1252	Fourier-domain beamforming: the path to compressed ultrasound imaging. 2014 , 61, 1252-67	85
1251	Multi-shell diffusion signal recovery from sparse measurements. 2014 , 18, 1143-56	34
1250	. 2014 , 50, 972-986	21
1249	Convex Optimization for Big Data: Scalable, randomized, and parallel algorithms for big data analytics. 2014 , 31, 32-43	165
1248	. 2014 , 50, 1004-1016	2
1247	A SIGNIFICANCE TEST FOR THE LASSO. 2014 , 42, 413-468	325
1246	Quasi-Newton Iterative Projection Algorithm for Sparse Recovery. 2014 , 144, 169-173	14
1245	SART-Type Half-Threshold Filtering Approach for CT Reconstruction. 2014 , 2, 602-613	24
1244	Multitask Diffusion Adaptation Over Networks. 2014 , 62, 4129-4144	166
1243	Discrete Total Variation Flows without Regularization. 2014 , 52, 363-385	21
1242	Linearized alternating directions method for 🛭 -norm inequality constrained 🗓 -norm minimization. 2014 , 85, 142-153	9
1241	Proximal-Gradient Algorithms for Tracking Cascades Over Social Networks. 2014 , 8, 563-575	55
1240	Challenges of Big Data Analysis. 2014 , 1, 293-314	626
1239	Shrinkage tuning based on an unbiased MSE estimate for sparsity-aware adaptive filtering. 2014 ,	2
1238	Compressive Sensing Inverse Synthetic Aperture Radar Imaging Based on Gini Index Regularization. 2014 , 11, 441-448	5
1237	A regularized matrix factorization approach to induce structured sparse-low-rank solutions in the EEG inverse problem. 2014 , 2014,	3

Adaptive contourlet-wavelet iterative shrinkage/thresholding for remote sensing image 1236 restoration. 2014, 15, 664-674 Alternating proximal regularized dictionary learning. 2014, 26, 2855-95 2 A STRICTLY CONTRACTIVE PEACEMAN-RACHFORD SPLITTING METHOD FOR CONVEX 68 1234 PROGRAMMING. 2014, 24, 1011-1040 Robust Recognition via Information Theoretic Learning. 2014, 1233 17 1232 Mathematics Without Boundaries. 2014, 2 1231 Spectral estimation What is new? What is next?. 2014, 52, 723-749 129 1230 A unified approach for minimizing composite norms. 2014, 144, 181-226 8 Performance of first-order methods for smooth convex minimization: a novel approach. 2014, 145, 451-482 60 Iterative reweighted minimization methods for (l_p) regularized unconstrained nonlinear 1228 66 programming. 2014, 147, 277-307 Fast First-Order Methods for Composite Convex Optimization with Backtracking. 2014, 14, 389-417 27 A variable fixing version of the two-block nonlinear constrained GaussBeidel algorithm for (ell 1226 3 1)-regularized least-squares. **2014**, 59, 565-589 Half-quadratic-based iterative minimization for robust sparse representation. 2014, 36, 261-75 166 1225 Retrieval-based face annotation by weak label regularized local coordinate coding. 2014, 36, 550-63 39 Tensor optimization for optical-interferometric imaging. 2014, 437, 2083-2091 6 1222 References. 2014, 359-381 1221 . **2014**, 25, 1118-1130 59 1220 Adaptive regularization of the NL-means: application to image and video denoising. 2014, 23, 3506-21 100 Real-Time Power Balancing in Electric Grids With Distributed Storage. 2014, 8, 1167-1181 38

Learning Overcomplete Dictionaries Based on Atom-by-Atom Updating. 2014 , 62, 883-891	73
Scaled Heavy-Ball Acceleration of the Richardson-Lucy Algorithm for 3D Microscopy Image Restoration. 2014 , 23, 848-54	15
Sparse Representation Based Fisher Discrimination Dictionary Learning for Image Classifica 2014 , 109, 209-232	ation. 343
1215 Feature-aware regularization for sparse online learning. 2014 , 57, 1-21	1
Speaker adaptation based on regularized speaker-dependent eigenphone matrix estimatio 2014,	on. 2014 ,
1213 Online Dictionary Learning for Kernel LMS. 2014 , 62, 2765-2777	61
1212 Smoothing technique and fast alternating direction method for robust PCA. 2014 ,	4
1211 Robust Low-Rank Tensor Recovery: Models and Algorithms. 2014 , 35, 225-253	256
1210 In situ study of reaction kinetics using compressed sensing NMR. 2014 , 50, 14137-40	29
1209 Variational light field analysis for disparity estimation and super-resolution. 2014 , 36, 606-1	
1209 Variational light field analysis for disparity estimation and super resolution. 2014, 50, 000 f	19 314
1208 Toward a numerical deshaker for PFS. 2014 , 91, 45-51	19 314
1208 Toward a numerical deshaker for PFS. 2014 , 91, 45-51	1 3
Toward a numerical deshaker for PFS. 2014 , 91, 45-51 Nesterov algorithm solving dual formulation for compressed sensing. 2014 , 260, 1-17 Adaptive fixed-point iterative shrinkage/thresholding algorithm for MR imaging reconstructions.	1 3
Toward a numerical deshaker for PFS. 2014 , 91, 45-51 Nesterov algorithm solving dual formulation for compressed sensing. 2014 , 260, 1-17 Adaptive fixed-point iterative shrinkage/thresholding algorithm for MR imaging reconstructusing compressed sensing. 2014 , 32, 372-8	1 3 ction 7 44
Toward a numerical deshaker for PFS. 2014, 91, 45-51 1207 Nesterov algorithm solving dual formulation for compressed sensing. 2014, 260, 1-17 1206 Adaptive fixed-point iterative shrinkage/thresholding algorithm for MR imaging reconstructusing compressed sensing. 2014, 32, 372-8 1205 Robust action recognition using local motion and group sparsity. 2014, 47, 1813-1825	1 3 ction 7 44
Toward a numerical deshaker for PFS. 2014, 91, 45-51 1207 Nesterov algorithm solving dual formulation for compressed sensing. 2014, 260, 1-17 1206 Adaptive fixed-point iterative shrinkage/thresholding algorithm for MR imaging reconstructusing compressed sensing. 2014, 32, 372-8 1205 Robust action recognition using local motion and group sparsity. 2014, 47, 1813-1825 1204 Reprint of Nesterov algorithm solving dual formulation for compressed sensing 2014, 263 Low-rank separated representation surrogates of high-dimensional stochastic functions:	1 3 2tion 7 44

1200	Smooth approximation method for non-smooth empirical risk minimization based distance metric learning. 2014 , 127, 135-143	4
1199	An inexact and nonmonotone proximal method for smooth unconstrained minimization. 2014 , 269, 86-100	8
1198	Translation-invariant shrinkage/thresholding of group sparse signals. 2014 , 94, 476-489	54
1197	Baselining network-wide traffic by time-frequency constrained Stable Principal Component Pursuit. 2014 , 68, 756-762	2
1196	An alternating iterative algorithm for image deblurring and denoising problems. 2014, 19, 617-626	11
1195	Learning discriminative dictionary for group sparse representation. 2014 , 23, 3816-28	69
1194	Image Restoration with Mixed or Unknown Noises. 2014 , 12, 458-487	35
1193	Linearized alternating direction method of multipliers for sparse group and fused LASSO models. 2014 , 79, 203-221	20
1192	Rank adaptive atomic decomposition for low-rank matrix completion and its application on image recovery. 2014 , 145, 374-380	19
1191	Separation of seismic blended data by sparse inversion over dictionary learning. 2014, 106, 146-153	15
1190	Multiscale reconstruction algorithm for compressed sensing. 2014 , 53, 1152-67	4
1189	A nonmonotone adaptive projected gradient method for primal-dual total variation image restoration. 2014 , 103, 242-249	8
1188	Fast thresholding algorithms with feedbacks for sparse signal recovery. 2014 , 37, 69-88	12
1187	Bi-level multi-source learning for heterogeneous block-wise missing data. 2014 , 102 Pt 1, 192-206	48
1186	The Why and How of Nonnegative Matrix Factorization. 2014 , 275-310	
1185	References. 347-362	
1184	COMPLEXITY OF FIRST-ORDER METHODS FOR DIFFERENTIABLE CONVEX OPTIMIZATION. 2014 , 34, 395-419	3
1183	Blocky inversion of prestack seismic data using mixed-norms. 2014 ,	7

1182	PRISM: Sparse recovery of the primordial power spectrum. 2014 , 566, A77	11
1181	Fast Algorithm of Robust Kalman Filter via l 1 Regression by a Closed Form Solution. 2014 , 47, 6153-6158	2
1180	Network-constrained group lasso for high-dimensional multinomial classification with application to cancer subtype prediction. 2014 , 13, 25-33	9
1179	Compressively sampled magnetic resonance image reconstruction using separable surrogate functional method. 2014 , 43, 157-165	5
1178	Comparison of lp-regularization-based reconstruction methods for time domain fluorescence molecular tomography on early time gates. 2014 ,	1
1177	Accelerating ordered-subsets X-ray CT image reconstruction using the linearized augmented Lagrangian framework. 2014 ,	2
1176	FINESSE: a Fast Iterative Non-linear Exact Sub-space SEarch based algorithm for CT imaging. 2014 ,	
1175	Improved Fast Dual Gradient Methods for Embedded Model Predictive Control. 2014 , 47, 2303-2309	22
1174	Separable Model Predictive Control via Alternating Direction Method of Multipliers for Large-scale Systems. 2014 , 47, 10499-10504	2
1173	Fast Alternating Minimization Algorithm for Model Predictive Control. 2014 , 47, 11980-11986	6
1172	Improved Dual Decomposition for Distributed Model Predictive Control. 2014 , 47, 1203-1209	4
1171	Proximal Algorithms. 2014 , 1, 127-239	1236
1170	On the Convergence Analysis of the Fast Linearized Bregman Iterative Algorithm. 2014 , 8, 105-112	
1169	Controlled blurring for improving image reconstruction quality in flutter-shutter acquisition. 2014,	1
1168	Error bounds for maximum likelihood matrix completion under sparse factor models. 2014,	5
1167	DALM-SVD: Accelerated sparse coding through singular value decomposition of the dictionary. 2014 ,	1
1166	Robust ionospheric tomography using sparse regularization. 2014 ,	2
1165	A linearly convergent first-order algorithm for total variation minimisation in image processing. 2014 , 10, 4-26	1

1164 Density reconstruction from 3D lensing: Application to galaxy clusters. 2014, 10, 104-106 New generation Stokes inversion codes. 2014, 10, 225-233 Low-Complexity Census-Based Collaborative Compressed Spectrum Sensing for Cognitive D2D 1162 Communications. 2014, 1161 On adaptive pixel random selection for compressive sensing. 2014, 1160 Sparse Modeling for Image and Vision Processing. 2014, 8, 85-283 214 Image super-resolution via adaptive filtering and regularization. 2014, Joint Sparsity and marginal classification for improving Sparse Imputation performance in speech 1158 1 recognition. **2015**, 46, 56-64 Multi-layer supervised dictionary learning for visual classification. 2015, 1156 Did You Expect Your Users to Say This?. 2015, 2 1155 Convex Optimization: Algorithms and Complexity. 2015, 8, 231-357 368 1154 Joint sparsity pattern recovery with 1-bit compressive sensing in sensor networks. 2015, 4 Fast sparse recovery via non-convex optimization. 2015, 1152 . 2015, Learning the discriminative dictionary for sparse representation by a general fisher regularized model. 2015, 1150 Inverse problems with time-frequency dictionaries and non-white Gaussian noise. 2015, Robust sparse underwater acoustic channel estimation method via projected 11-12 Optimization. 1149 2015. Membership representation for detecting block-diagonal structure in low-rank or sparse subspace 1148 13 clustering. 2015, Background Subtraction via generalized fused lasso foreground modeling. 2015, 59

1146 TVSum: Summarizing web videos using titles. 2015 ,	12
Accelerating the over-relaxed iterative shrinkage-thresholding algorithms with fast and exact lines search for high resolution tomographic image reconstruction. 2015 ,	ine 2
1144 A novel line search method for nonsmooth optimization problems. 2015 ,	2
1143 Organic vs. Sponsored Content: From Ads to Native Ads. 2015 ,	1
CGIHT: conjugate gradient iterative hard thresholding for compressed sensing and matrix completion. 2015 , iav011	18
1141 Coherent radar imaging based on compressed sensing. 2015 , 50, 1271-1285	2
1140 Screen content image segmentation using sparse-smooth decomposition. 2015 ,	16
1139 A semismooth Newton method for adaptive distributed sparse linear regression. 2015 ,	1
DuQuad: A toolbox for solving convex quadratic programs using dual (augmented) first order algorithms. 2015 ,	4
Adaptive learning of tissue reflectivity statistics and its application to deconvolution of medica ultrasound scans. 2015 ,	2
1136 Convex Optimization with Abstract Linear Operators. 2015 ,	11
Speeding-Up Model-Selection in Graphnet via Early-Stopping and Univariate Feature-Screening 2015 ,	. 4
Inexact NewtonLandweber Iteration in Banach Spaces with NonSmooth Convex Penalty Terms 2015 , 53, 2389-2413	s. 9
Fast Hadamard transforms for compressive sensing of joint systems: measurement of a 3.2 million-dimensional bi-photon probability distribution. 2015 , 23, 27636-49	11
1132 Magnetic resonance image reconstruction via L0-norm minimization. 2015 ,	1
1131 Super-resolution stacking based on Compressive Sensing. 2015 ,	2
1130 High spatio-temporal resolution video with compressed sensing. 2015 , 23, 15992-6007	45
1129 Computational implications of reducing data to sufficient statistics. 2015 , 9,	9

1128 L1-Regularized Boltzmann Machine Learning Using Majorizer Minimization. 2015 , 84, 054801	6
1127 SLOPE-ADAPTIVE VARIABLE SELECTION VIA CONVEX OPTIMIZATION. 2015 , 9, 1103-1140	99
1126 Deformable image registration with geometric changes. 2015 , 16, 829-837	О
1125 Acoustic multiscale full waveform inversion of frequency domain based on FCG. 2015 ,	o
1124 Inversion Spectral Decomposition with Channel Complex Identification. 2015 ,	2
$_{ m 1123}$ Identification of significant genetic variants via SLOPE, and its extension to group SLOPE. 2015	5, 2
Application of Robust Principal Component Analysis (RPCA) to suppress erratic noise in seismic records. 2015 ,	12
1121 Improving the efficiency of deconvolution algorithms for sound source localization. 2015 , 138,	172-80 27
1120 Compressive sensing for RADARSAT-2 tomography. 2015 ,	
How little data is enough? Phase-diagram analysis of sparsity-regularized X-ray computed tomography. 2015 , 373,	22
1118 Reconstructing high-dimensional two-photon entangled states via compressive sensing. 2014 ,	4, 6542 23
1117 Towards Permission Request Prediction on Mobile Apps via Structure Feature Learning. 2015 ,	7
1116 Hyperspectral images mapping with group sparse representations. 2015 ,	
Compressed Sensing MRI Reconstruction Algorithm Based on Contourlet Transform and Split Bregman Method. 2015 ,	1
1114 Low Complexity Regularization of Linear Inverse Problems. 2015 , 103-153	4
1113 A deep learning approach to structured signal recovery. 2015 ,	169
Distributed signal processing with graph spectral dictionaries. 2015 ,	2
1111 Denoising phonogram cylinders recordings using Structured Sparsity. 2015 ,	

1110 L	ocalize Me Anywhere, Anytime: A Multi-task Point-Retrieval Approach. 2015,	9
	ingle breath-hold 3D measurement of left atrial volume using compressed sensing cardiovascular nagnetic resonance and a non-model-based reconstruction approach. 2015 , 17, 47	15
	a fast iterative reconstruction method based on the selective total variation for sparse angular CT. 015 ,	
1107 C	Compressive image acquisition in modern CMOS IC design. 2015 , 43, 722-741	4
	parse-View CT Image Recovery Using Two-Step Iterative Shrinkage-Thresholding Algorithm. 2015 , 7, 1251-1258	6
1105 A	fast algorithm for high order total variation minimization based interior tomography. 2015 , 23, 349-64	4
1104 C	Compressive Earth observatory: An insight from AIRS/AMSU retrievals. 2015 , 42, 362-369	3
	hree-dimensional pulmonary perfusion MRI with radial ultrashort echo time and spatial-temporal onstrained reconstruction. 2015 , 73, 555-64	21
1102 H	ligh-resolution variable-density 3D cones coronary MRA. 2015 , 74, 614-21	29
	Multidimensional simultaneous random plus erratic noise attenuation and interpolation for seismic lata by joint low-rank and sparse inversion. 2015 , 80, WD129-WD141	29
1100 E	fficient Variational Light Field View Synthesis For Making Stereoscopic 3D Images. 2015 , 34, 183-191	3
1099 N	Manifold regularized multitask feature learning for multimodality disease classification. 2015 , 36, 489-507	90
1098 F	ree-breathing pediatric MRI with nonrigid motion correction and acceleration. 2015, 42, 407-20	106
	xponential wavelet iterative shrinkage thresholding algorithm with random shift for compressed ensing magnetic resonance imaging. 2015 , 10, 116-117	46
	lighly undersampled contrast-enhanced MRA with iterative reconstruction: Integration in a clinical etting. 2015 , 74, 1652-60	36
1005	electing Social Media Responses to News: A Convex Framework Based On Data Reconstruction. 015 ,	
1094 P	ortfolio Selection with Multiple Spectral Risk Constraints. 2015 ,	
1093 L	OFAR sparse image reconstruction. 2015 , 575, A90	54

1092 Data recovery via hybrid sensor networks for vibration monitoring of civil structures. 2015 , 2, 161	4
1091 Moving targets detection and tracking in reverberation environments. 2015 ,	
1090 An Accelerated Algorithm for Adaptive Multiple Subtraction Using L1 Estimator. 2015 ,	1
Off-Grid DOA Estimation Using Alternating Block Coordinate Descent in Compressed Sensing. 2015 , 15, 21099-113	4
A Robust Reweighted LEMinimization Imaging Algorithm for Passive Millimeter Wave SAIR in Near Field. 2015 , 15, 24945-60	3
1087 MRI-based intelligence quotient (IQ) estimation with sparse learning. 2015 , 10, e0117295	12
Balanced sparse model for tight frames in compressed sensing magnetic resonance imaging. 2015 , 10, e0119584	22
1085 Fast Second Degree Total Variation Method for Image Compressive Sensing. 2015 , 10, e0137115	2
Sparse Spectro-Temporal Receptive Fields Based on Multi-Unit and High-Gamma Responses in Human Auditory Cortex. 2015 , 10, e0137915	8
1083 Compressive Sensing. 2015 , 1-26	
1003 Compressive Sensing. 2013, 1 20	1
1082 Accelerated Compressed Sensing Based CT Image Reconstruction. 2015 , 2015, 161797	1
Accelerated Compressed Sensing Based CT Image Reconstruction. 2015 , 2015, 161797 Research on the Sparse Representation for Gearbox Compound Fault Features Using Wavelet	12
Accelerated Compressed Sensing Based CT Image Reconstruction. 2015, 2015, 161797 Research on the Sparse Representation for Gearbox Compound Fault Features Using Wavelet Bases. 2015, 2015, 1-11 Compressed Sensing MRI Reconstruction Algorithm Based on Contourlet Transform and	12 6
Accelerated Compressed Sensing Based CT Image Reconstruction. 2015, 2015, 161797 Research on the Sparse Representation for Gearbox Compound Fault Features Using Wavelet Bases. 2015, 2015, 1-11 Compressed Sensing MRI Reconstruction Algorithm Based on Contourlet Transform and Alternating Direction Method. 2015, 2015, 1-5	12 6 1
Accelerated Compressed Sensing Based CT Image Reconstruction. 2015, 2015, 161797 Research on the Sparse Representation for Gearbox Compound Fault Features Using Wavelet Bases. 2015, 2015, 1-11 Compressed Sensing MRI Reconstruction Algorithm Based on Contourlet Transform and Alternating Direction Method. 2015, 2015, 1-5 Cylindrical Three-Dimensional Millimeter-Wave Imaging via Compressive Sensing. 2015, 2015, 1-6 Reconstruction of the Magnetic Particle Imaging System Matrix Using Symmetries and Compressed	12 6 1
Accelerated Compressed Sensing Based CT Image Reconstruction. 2015, 2015, 161797 Research on the Sparse Representation for Gearbox Compound Fault Features Using Wavelet Bases. 2015, 2015, 1-11 Compressed Sensing MRI Reconstruction Algorithm Based on Contourlet Transform and Alternating Direction Method. 2015, 2015, 1-5 Cylindrical Three-Dimensional Millimeter-Wave Imaging via Compressive Sensing. 2015, 2015, 1-6 Reconstruction of the Magnetic Particle Imaging System Matrix Using Symmetries and Compressed Sensing. 2015, 2015, 1-9 A New Fast Algorithm for Constrained Four-Directional Total Variation Image Denoising Problem.	12 6 1 6

STOCHASTIC ALTERNATING DIRECTION METHOD OF MULTIPLIERS FOR STRUCTURED REGULARIZATION. **2015**, 28, 105-124

1073 Using sparse regularization for multi-resolution tomography of the ionosphere. 2015 , 22, 613-624	7
1072 A Fast Low Complexity Method for Optimal Zero-Forcing Beamformer MU-MIMO System. 2015 , 22, 1443-144	47 5
1071 Weak lensing reconstructions in 2D and 3D: implications for cluster studies. 2015 , 449, 1146-1157	2
3D Palmprint Identification Using Block-Wise Features and Collaborative Representation. 2015 , 37, 1730-6	53
1069 \$l_{0}\$ Sparse Inverse Covariance Estimation. 2015 , 63, 3218-3231	15
1068 A Parallel Line Search Subspace Correction Method for Composite Convex Optimization. 2015 , 3, 163-187	1
1067 Structured outlier models for robust dictionary learning. 2015 ,	2
1066 Measurement of bubble sizes in fluidised beds using electrical capacitance tomography. 2015 , 126, 679-687	41
Comparison of sampling strategies and sparsifying transforms to improve compressed sensing diffusion spectrum imaging. 2015 , 73, 401-16	40
Compressively Sampled MR Image Reconstruction Using Hyperbolic Tangent-Based Soft-Thresholding. 2015 , 46, 837-851	8
Epigraphical projection and proximal tools for solving constrained convex optimization problems. 2015 , 9, 1737-1749	39
Fast convergence of regularised Region-based Mixture of Gaussians for dynamic background modelling. 2015 , 136, 45-58	15
1061 Discriminative Structured Feature Engineering for Macroscale Brain Connectomes. 2015 , 34, 2333-42	5
1060 The Fundamentals of Compressed Sensing. 2015 , 21-53	1
1059 An algorithm for quadratic I l-regularized optimization with a flexible active-set strategy. 2015 , 30, 1213-123	7 9
1058 A Unified Framework for Epidemic Prediction based on Poisson Regression. 2015 , 27, 2878-2892	8
1057 . 2015 , 63, 3914-3929	51

1056 Structure Tensor Total Variation. SIAM Journal on Imaging Sciences, 2015, 8, 1090-1122	1.9	75
1055 Novel general KNN classifier and general nearest mean classifier for visual classification. 2015 ,		2
1054 . 2015 ,		1
1053 Robust PCA Via Nonconvex Rank Approximation. 2015 ,		62
1052 Adaptive multi-task learning for fine-grained categorization. 2015 ,		4
1051 On equivalence of 1 norm based basic sparse representation problems. 2015 ,		
1050 On Accelerated Gradient Approximation for Least Square Regression with L1-Regularization. 2015 ,		
1049 A comparison of typical sparse optimization for 1D signal recovery. 2015 ,		
1048 A robust sparse approach to acoustic impulse response shaping. 2015 ,		7
1047 Model-based image reconstruction of chemiluminescence using a plenoptic 2.0 camera. 2015 ,		5
1046 D4L: Decentralized dynamic discriminative dictionary learning. 2015 ,		6
1045 Poisson matrix completion. 2015 ,		5
1044 Identifiability and Noise Robustness for l1-Analysis Regularizations in Compressive Sensing. 2015 ,		
1043 Robust Multitask Multiview Tracking in Videos. 2015 , 26, 2874-90		56
1042 . 2015,		7
Deflection coefficient maximization based cooperative multi-sensor feature extraction for fault diagnosis. 2015 ,		
1040 MIST: L0 sparse linear regression with momentum. 2015 ,		1
Dark-field illuminated fiber bundle endoscopy with iterative l1-min image reconstruction for honeycomb pattern removal. 2015 ,		2

Hessian Schatten-norm regularization for CBCT image reconstruction using fast iterative shrinkage-thresholding algorithm. 2015 ,	2
1037 Quantization design for unconstrained distributed optimization. 2015 ,	7
1036 Inference of sparse gene regulatory network from RNA-Seq time series data. 2015 ,	1
Projected Nesterov's proximal-gradient signal recovery from compressive poisson measurer 2015 ,	ments.
1034 Sparse Subspace Clustering for Incomplete Images. 2015 ,	1
1033 Convex synthesis of symmetric modifications to linear systems. 2015 ,	8
1032 Task-driven dictionary learning in distributed online settings. 2015 ,	3
1031 Robust point matching by l1 regularization. 2015 ,	0
1030 Switched dynamic structural equation models for tracking social network topologies. 2015 ,	5
1029 A Multitask Learning View on the Earth System Model Ensemble. 2015 , 17, 35-42	0
1028 Randomized dual proximal gradient for large-scale distributed optimization. 2015 ,	3
1027 Bayesian LASSO in a distributed architecture. 2015 ,	
1026 Learning-based analytical cross-platform performance prediction. 2015 ,	13
$_{ m 1025}$ Importance sampling strategy for non-convex randomized block-coordinate descent. 2015 ,	
1024 A randomized dual consensus ADMM method for multi-agent distributed optimization. 2015	5, 3
1023 Numerical solution of underdetermined systems from partial linear circulant measurements	:. 2015,
1022 Global convergence of the Heavy-ball method for convex optimization. 2015 ,	43
Frame-based compressive sensing MR image reconstruction with balanced regularization. 2 015, 7031-4	015,

1020 Convergence of an inertial proximal method for l1-regularized least-squares. 2015 ,	1
1019 Rapid: Rapidly accelerated proximal gradient algorithms for convex minimization. 2015 ,	4
1018 Sparsity-driven passive tracking of underwater acoustic sources. 2015 ,	
1017 Proximal diffusion for stochastic costs with non-differentiable regularizers. 2015 ,	9
Synergistic image reconstruction for hybrid ultrasound and photoacoustic computed tomography. 2015 ,	2
Offset-sparsity decomposition for automated enhancement of color microscopic image of stained specimen in histopathology. 2015 , 20, 76012	5
1014 Action Recommendation for Cyber Resilience. 2015,	5
1013 Sampling Theory, a Renaissance. 2015 ,	2
1012 Decomposition Methods for Sparse Matrix Nearness Problems. 2015 , 36, 1691-1717	9
1011 A New Uncertainty Budgeting-Based Method for Robust Analog/Mixed-Signal Design. 2015 , 21, 1-25	
1010 Seismic random noise attenuation using shearlet and total generalized variation. 2015 , 12, 1024-1035	56
1009 A Generalized Krylov Subspace Method for \$ell_p\$-\$ell_q\$ Minimization. 2015 , 37, S30-S50	30
1008 . 2015,	
1007 Greedy minimization of l1-norm with high empirical success. 2015 ,	
1006 Person Re-Identification with Discriminatively Trained Viewpoint Invariant Dictionaries. 2015 ,	107
Fast TVL1-L2 MR image reconstruction using variable splitting and accelerated alternating direction method with adaptive restart. 2015 ,	
1004 Efficient PSD Constrained Asymmetric Metric Learning for Person Re-Identification. 2015 ,	220
1003 Direction-finding based on the theory of super-resolution in sparse recovery algorithms. 2015 ,	3

1002 An improved scaled gradient projection (ISGP) for astronomical images restruction. 2015,

1001	An empirical study on compressed sensing MRI using fast composite splitting algorithm and combined sparsifying transforms. 2015 , 25, 302-309	1
1000	Modeling electoral choices in multiparty systems with high-dimensional data: A regularized selection of parameters using the lasso approach. 2015 , 16, 23-42	4
999	Multi-resolution compressed sensing reconstruction via approximate message passing. 2015,	
998	Weighted Elastic Net Penalized Mean-Variance Portfolio Design and Computation. 2015 , 6, 1220-1244	17
997	A fast and accurate algorithm for [] 1 minimization problems in compressive sampling. 2015 , 2015,	2
996	Collaborative Multi-domain Sentiment Classification. 2015,	19
995	Outlier identification via randomized adaptive compressive sampling. 2015,	8
994	Can we use wavelet phase change due to attenuation for hydrocarbon detection?. 2015,	5
993	Fast implementation of sparse reconstruction for CS-based DoA estimation. 2015 ,	
992	Joint Sparse Representation and Robust Feature-Level Fusion for Multi-Cue Visual Tracking. 2015 , 24, 5826-41	181
991	Adaptive truncation of matrix decompositions and efficient estimation of NMR relaxation distributions. 2015 , 31, 045010	22
990	An accelerated momentum based gradient projection method for image deblurring. 2015,	3
989	Undersampled Phase Retrieval with Outliers. 2015 , 1, 247-258	13
988	Compressed sensing MRI using nonseparable shearlet transform and split Bregman algorithm. 2015	
987	Combining SENSE and compressed sensing MRI With a fast iterative contourlet thresholding algorithm. 2015 ,	
986	Experimental Design with Multiple Kernels. 2015,	3
985	. 2015,	7

984 Iterative Reception Employing Sparse Channel Estimation for OFDM Systems. **2015**,

983	Multi-kernel collaborative representation for image classification. 2015 ,	2
982	Predictive sparse modeling of fMRI data for improved classification, regression, and visualization using the k-support norm. 2015 , 46 Pt 1, 40-46	10
981	A regularised boundary element formulation for contactless SAR evaluations within homogeneous and inhomogeneous head phantoms. 2015 , 16, 776-788	8
980	Parallel matrix factorization algorithm and its application to 5D seismic reconstruction and denoising. 2015 , 80, V173-V187	53
979	A novel locally linear KNN model for visual recognition. 2015 ,	17
978	Parallel Multi-task Learning. 2015 ,	30
977	Content-Aware Collaborative Filtering for Location Recommendation Based on Human Mobility Data. 2015 ,	42
976	Selective Multi-Source Total Variation Image Restoration. 2015,	2
975	Seismic data reconstruction via fast projection onto convex sets in the seislet transform domain. 2015 ,	8
974	Robust landmark-based image registration using l1 and l2 norm regularizations. 2015,	2
973	A structured AMP method recovering signals with a forward-backward splitting mode. 2015 ,	
972	Blind non-negative source recovery in under-determined mixtures. 2015,	1
971	A Note on the Complexity of Proximal Iterative Hard Thresholding Algorithm. 2015 , 3, 459-473	3
970	Semantic sparse recoding of visual content for image applications. 2015 , 24, 176-88	13
969	Sparse representation of transients in wavelet basis and its application in gearbox fault feature extraction. 2015 , 56-57, 230-245	74
968	Multi-Agent Distributed Optimization via Inexact Consensus ADMM. 2015 , 63, 482-497	199
967	Graph-Based Learning via Auto-Grouped Sparse Regularization and Kernelized Extension. 2015 , 27, 142-154	31

966	Mirror Prox algorithm for multi-term composite minimization and semi-separable problems. 2015 , 61, 275-319	11
965	Restricted strong convexity and its applications to convergence analysis of gradient-type methods in convex optimization. 2015 , 9, 961-979	20
964	Splitting Methods with Variable Metric for Kurdykaßjasiewicz Functions and General Convergence Rates. 2015 , 165, 874-900	78
963	An adaptive accelerated proximal gradient method and its homotopy continuation for sparse optimization. 2015 , 60, 633-674	23
962	Active learning for semi-supervised clustering based on locally linear propagation reconstruction. 2015 , 63, 170-84	4
961	Kernel Low-Rank Representation for face recognition. 2015 , 155, 32-42	50
960	. 2015 , 63, 1874-1889	105
959	An improvement of the penalty decomposition method for sparse approximation. 2015 , 113, 52-60	6
958	Water Coordination, Proton Mobility, and Lewis Acidity in HY Nanozeolites: A High-Temperature 1H and 27Al NMR Study. 2015 , 119, 3428-3438	10
957	A convergent non-negative deconvolution algorithm with Tikhonov regularization. 2015 , 31, 035002	9
956	Global convergence of damped semismooth Newton methods for 🗈 Tikhonov regularization. 2015 , 31, 025005	5
955	Iterative CBCT reconstruction using Hessian penalty. 2015 , 60, 1965-87	28
954	Matching Pursuit LASSO Part I: Sparse Recovery Over Big Dictionary. 2015 , 63, 727-741	24
953	Inertial Douglas R achford splitting for monotone inclusion problems. 2015 , 256, 472-487	133
952	Damping proximal coordinate descent algorithm for non-convex regularization. 2015 , 152, 151-163	
951	. 2015 , 63, 1792-1807	25
950	Direct conditional probability density estimation with sparse feature selection. 2015, 100, 161-182	2
949	Context Dependent Encoding Using Convolutional Dynamic Networks. 2015 , 26, 1992-2004	6

948	A variational model for PolSAR data speckle reduction based on the Wishart distribution. 2015 , 24, 1209-22	27
947	Learning to rank image tags with limited training examples. 2015 , 24, 1223-34	13
946	Variable density incoherent spatiotemporal acquisition (VISTA) for highly accelerated cardiac MRI. 2015 , 74, 1266-78	30
945	View-centralized multi-atlas classification for Alzheimer's disease diagnosis. 2015 , 36, 1847-65	74
944	. 2015 , 17, 370-381	157
943	Matching Pursuit LASSO Part II: Applications and Sparse Recovery Over Batch Signals. 2015 , 63, 742-753	7
942	Joint image reconstruction and segmentation using the Potts model. 2015 , 31, 025003	68
941	Dictionary Learning Over Distributed Models. 2015 , 63, 1001-1016	46
940	Duality Between Subgradient and Conditional Gradient Methods. 2015 , 25, 115-129	22
939	Alternating split Bregman method for the bilaterally constrained image deblurring problem. 2015 , 250, 402-414	7
938	Network traffic classification via non-convex multi-task feature learning. 2015 , 152, 322-332	15
937	Extreme learning machines: new trends and applications. 2015 , 58, 1-16	64
936	A multi-level preconditioned Krylov method for the efficient solution of algebraic tomographic reconstruction problems. 2015 , 283, 1-16	1
935	Fast parallel MR image reconstruction via B1-based, adaptive restart, iterative soft thresholding algorithms (BARISTA). 2015 , 34, 578-88	18
934	Variable selection in general multinomial logit models. 2015 , 82, 207-222	25
933	Noisy Image Reconstruction Via Fast Linearized Lagrangian Dual Alternating Direction Method of Multipliers. 2015 , 82, 143-156	4
932	Iterative methods for finding optimal quantum measurements under minimum-error and minimax criteria. 2015 , 91,	4
931	. 2015 , 25, 651-659	25

930	On some steplength approaches for proximal algorithms. 2015 , 253, 345-362	6
929	Fast X-ray CT image reconstruction using a linearized augmented Lagrangian method with ordered subsets. 2015 , 34, 388-99	33
928	Low-Rank Modeling and Its Applications in Image Analysis. 2015 , 47, 1-33	81
927	Image Completion: Survey and Comparative Study. 2015 , 29, 1554001	2
926	Support image set machine: Jointly learning representation and classifier for image set classification. 2015 , 78, 51-58	8
925	Sparse Coding with Anomaly Detection. 2015 , 79, 179-188	47
924	Compressive scanning of an object signature. 2015 , 14, 457-467	
923	A splitting method for separable convex programming. 2015 , 35, 394-426	49
922	Visual data denoising with a unified Schatten-p norm and 日 norm regularized principal component pursuit. 2015 , 48, 3135-3144	29
921	A total variation recursive space-variant filter for image denoising. 2015 , 40, 101-116	14
920	Adaptive updating of regularization parameters. 2015 , 113, 228-233	5
919	Image Deblurring with Coupled Dictionary Learning. 2015 , 114, 248-271	27
918	Combining ordered subsets and momentum for accelerated X-ray CT image reconstruction. 2015 , 34, 167-78	94
917	Linearized alternating direction method with parallel splitting and adaptive penalty for separable convex programs in machine learning. 2015 , 99, 287-325	71
916	Sparse identification of posynomial models. 2015 , 59, 27-34	6
915	Statistical shape model reconstruction with sparse anomalous deformations: Application to intervertebral disc herniation. 2015 , 46 Pt 1, 11-19	4
914	Distributed solutions for loosely coupled feasibility problems using proximal splitting methods. 2015 , 30, 128-161	1
913	Image interpolation using shearlet based iterative refinement. 2015 , 36, 83-94	7

912	Optimized sampling distribution based on nonparametric learning for improved compressive sensing performance. 2015 , 31, 26-40	0
911	An Improved Fast Iterative Shrinkage Thresholding Algorithm for Image Deblurring. <i>SIAM Journal on Imaging Sciences</i> , 2015 , 8, 1640-1657	25
910	Structured image reconstruction for three-dimensional ghost imaging lidar. 2015 , 23, 14541-51	41
909	Adaptive projected gradient thresholding methods for constrained l 0 problems. 2015 , 58, 1-20	1
908	A convergent least-squares regularized blind deconvolution approach. 2015 , 259, 173-186	5
907	A closer look at consistent operator splitting and its extensions for topology optimization. 2015 , 283, 573-598	1
906	Synthetic aperture radar image despeckling based on adaptive iterative risk estimator. 2015 , 24, 043001	
905	Towards Autonomous Robotic Systems. 2015 ,	1
904	A Proximal Strictly Contractive PeacemanRachford Splitting Method for Convex Programming with Applications to Imaging. <i>SIAM Journal on Imaging Sciences</i> , 2015 , 8, 1332-1365	13
903	Hyperspectral Image Denoising via Noise-Adjusted Iterative Low-Rank Matrix Approximation. 2015 , 8, 3050-3061	149
903 902		149 25
	8, 3050-3061	
902	8, 3050-3061 Survey on sparsity in geometric modeling and processing. 2015 , 82, 160-180	25
902	8, 3050-3061 Survey on sparsity in geometric modeling and processing. 2015, 82, 160-180 Sparse pixel sampling for appearance edit propagation. 2015, 31, 1101-1111 Preconditioned DouglasRachford Splitting Methods for Convex-concave Saddle-point Problems.	25 4
902 901 900	Survey on sparsity in geometric modeling and processing. 2015, 82, 160-180 Sparse pixel sampling for appearance edit propagation. 2015, 31, 1101-1111 Preconditioned DouglasRachford Splitting Methods for Convex-concave Saddle-point Problems. 2015, 53, 421-444	25 4 30
902 901 900 899	Survey on sparsity in geometric modeling and processing. 2015, 82, 160-180 Sparse pixel sampling for appearance edit propagation. 2015, 31, 1101-1111 Preconditioned DouglasRachford Splitting Methods for Convex-concave Saddle-point Problems. 2015, 53, 421-444 . 2015, 63, 3946-3958	25 4 30 6
902 901 900 899 898	Survey on sparsity in geometric modeling and processing. 2015, 82, 160-180 Sparse pixel sampling for appearance edit propagation. 2015, 31, 1101-1111 Preconditioned DouglasRachford Splitting Methods for Convex-concave Saddle-point Problems. 2015, 53, 421-444 .2015, 63, 3946-3958 A fast method for L1II2 modeling for MR image compressive sensing. 2015, 23,	25 4 30 6

894	Vehicle Type Classification Using a Semisupervised Convolutional Neural Network. 2015 , 16, 2247-2256	175
893	Color Image Denoising via Discriminatively Learned Iterative Shrinkage. 2015 , 24, 4148-59	15
892	Study on Remote Sensing Images of De-Blurring Based on Dictionary Learning. 2015, 738-739, 217-222	
891	Portfolio Selection with Multiple Spectral Risk Constraints. 2015 , 6, 467-486	3
890	On group-wise . 2015 , 48, 3728-3738	3
889	A robust simulation and reconstruction platform of fluorescence molecular tomography. 2015,	
888	An efficient total variation algorithm for super-resolution in fetal brain MRI with adaptive regularization. 2015 , 118, 584-97	67
887	A New Computational Method for the Sparsest Solutions to Systems of Linear Equations. 2015 , 25, 1110-113	4 11
886	SAR Image Reconstruction From Undersampled Raw Data Using Maximum A Posteriori Estimation. 2015 , 8, 1651-1664	12
885	Thresholded Smoothed \$ell_0\$ Norm for Accelerated Sparse Recovery. 2015 , 19, 953-956	3
884	Efficient robust conditional random fields. 2015 , 24, 3124-36	14
883	A new spectral method for \$l_1\$-regularized minimization. 2015 , 9, 257-272	
882	Bayesian Mixed Effect Atlas Estimation with a Diffeomorphic Deformation Model. <i>SIAM Journal on Imaging Sciences</i> , 2015 , 8, 1367-1395	14
881	Fast gradient-based distributed optimisation approach for model predictive control and application in four-tank benchmark. 2015 , 9, 1579-1586	19
880	High-Dimensional Fused Lasso Regression Using Majorization™inimization and Parallel Processing. 2015 , 24, 121-153	13
879	Compressive SAR imaging with joint sparsity and local similarity exploitation. 2015 , 15, 4176-92	5
878	Convergence of 🛚 /3 Regularization for Sparse Signal Recovery. 2015 , 32, 1550023	1
877	Asynchronous Stochastic Coordinate Descent: Parallelism and Convergence Properties. 2015 , 25, 351-376	77

876	Incremental Majorization-Minimization Optimization with Application to Large-Scale Machine Learning. 2015 , 25, 829-855	81
875	Detection guided deconvolutional network for hierarchical feature learning. 2015 , 48, 2645-2655	10
874	Efficient nonconvex sparse group feature selection via continuous and discrete optimization. 2015 , 224, 28-50	15
873	Semi-blind nonstationary deconvolution: Joint reflectivity and Q estimation. 2015, 117, 32-41	21
872	Pose-invariant face recognition using facial landmarks and Weber local descriptor. 2015, 84, 78-88	31
871	Coordinate descent algorithms. 2015 , 151, 3-34	512
870	An alternating direction method with increasing penalty for stable principal component pursuit. 2015 , 61, 635-668	18
869	Inexact accelerated augmented Lagrangian methods. 2015 , 62, 373-404	11
868	Dictionary Learning for Fast Classification Based on Soft-thresholding. 2015 , 114, 306-321	19
867	A proximal alternating linearization method for minimizing the sum of two convex functions. 2015 , 58, 1-20	
866	Alternating Direction Method of Multipliers for Solving Dictionary Learning Models. 2015, 3, 37-55	3
865	Sparsity-Aware Learning: Algorithms and Applications. 2015 , 449-507	
864	TV-based conjugate gradient method and discrete L-curve for few-view CT reconstruction of X-ray in vivo data. 2015 , 23, 5368-87	31
863	. 2015 , 63, 2663-2677	96
862	A Sparse Plus Low-Rank Exponential Language Model for Limited Resource Scenarios. 2015 , 23, 494-504	7
861	Minimization of \$ell_{1-2}\$ for Compressed Sensing. 2015 , 37, A536-A563	187
860	Modern Statistical Challenges in High-Resolution Fluorescence Microscopy. 2015 , 2, 163-202	20
859	Detection of Alzheimer's disease using group lasso SVM-based region selection. 2015 ,	1

858	Compressed Sensing of the System Matrix and Sparse Reconstruction of the Particle Concentration in Magnetic Particle Imaging. 2015 , 51, 1-4	5
857	Phase Retrieval via Matrix Completion. 2015 , 57, 225-251	200
856	Non-Negative Matrix Factorization with Auxiliary Information on Overlapping Groups. 2015 , 27, 1615-1628	11
855	On the Convergence of the Iterates of the E ast Iterative Shrinkage/Thresholding Algorithm[1 2015 , 166, 968-982	180
854	. 2015 , 3, 490-530	615
853	Symmetric smoothing filters from global consistency constraints. 2015 , 24, 1536-48	10
852	Practical Matrix Completion and Corruption Recovery Using Proximal Alternating Robust Subspace Minimization. 2015 , 111, 315-344	11
851	Image deblurring associated with shearlet sparsity and weighted anisotropic total variation. 2015 , 24, 023001	6
850	Semi-automatic segmentation of prostate in CT images via coupled feature representation and spatial-constrained transductive lasso. 2015 , 37, 2286-303	23
849	Composite Convex Minimization Involving Self-concordant-Like Cost Functions. 2015, 155-168	3
848	A primal dual fixed point algorithm for constrained optimization problems with applications to image reconstruction. 2015 ,	2
847	Task-Driven Dictionary Learning for Hyperspectral Image Classification With Structured Sparsity Constraints. 2015 , 53, 4457-4471	47
846	Finding Dantzig selectors with a proximity operator based fixed-point algorithm. 2015, 90, 36-46	2
845	A fast image recovery algorithm based on splitting deblurring and denoising. 2015 , 287, 88-97	21
844	Blind inpainting using l0 and total variation regularization. 2015 , 24, 2239-53	34
843	Convex Optimization in Normed Spaces. 2015,	45
842	Self-expressive tracking. 2015 , 48, 2872-2884	12
841	Compressed sparse timefrequency feature representation via compressive sensing and its applications in fault diagnosis. 2015 , 68, 70-81	51

840	Event oriented dictionary learning for complex event detection. 2015 , 24, 1867-78	95
839	Surface reconstruction in gradient-field domain using compressed sensing. 2015 , 24, 1628-38	7
838	A Fast L1 Linear Estimator and Its Application on Predictive Deconvolution. 2015 , 12, 1056-1060	14
837	Compressed Sensing MRI Using Discrete Nonseparable Shearlet Transform and FISTA. 2015 , 22, 1566-1570	17
836	Variational Mesh Denoising Using Total Variation and Piecewise Constant Function Space. 2015 , 21, 873-86	67
835	A Two-stage Clustered Multi-Task Learning method for operational optimization in Chemical Mechanical Polishing. 2015 , 35, 169-177	3
834	Dual Graph Regularized Latent Low-Rank Representation for Subspace Clustering. 2015, 24, 4918-33	82
833	Exponential Wavelet Iterative Shrinkage Thresholding Algorithm for compressed sensing magnetic resonance imaging. 2015 , 322, 115-132	73
832	Compressive sensing for noisy video reconstruction. 2015,	
831	Limited view reconstruction for differential phase-contrast computed tomography. 2015 , 23, 9717-29	5
830		
	Palmprint Recognition Based on Image Sets. 2015 , 305-315	
829	Palmprint Recognition Based on Image Sets. 2015 , 305-315 Proximal Heterogeneous Block Implicit-Explicit Method and Application to Blind Ptychographic Diffraction Imaging. <i>SIAM Journal on Imaging Sciences</i> , 2015 , 8, 426-457	45
	Proximal Heterogeneous Block Implicit-Explicit Method and Application to Blind Ptychographic	45 9
829	Proximal Heterogeneous Block Implicit-Explicit Method and Application to Blind Ptychographic Diffraction Imaging. SIAM Journal on Imaging Sciences, 2015 , 8, 426-457	
829 828	Proximal Heterogeneous Block Implicit-Explicit Method and Application to Blind Ptychographic Diffraction Imaging. SIAM Journal on Imaging Sciences, 2015, 8, 426-457 Longitudinal LASSO. 2015, Sparse Representation-Based Deformation Model for Atlas-Based Segmentation of Liver CT	9
829 828 827	Proximal Heterogeneous Block Implicit-Explicit Method and Application to Blind Ptychographic Diffraction Imaging. SIAM Journal on Imaging Sciences, 2015, 8, 426-457 Longitudinal LASSO. 2015, Sparse Representation-Based Deformation Model for Atlas-Based Segmentation of Liver CT Images. 2015, 410-419 Convergence Rate of Overlapping Domain Decomposition Methods for the RudinOsherFatemi	9
829 828 827 826	Proximal Heterogeneous Block Implicit-Explicit Method and Application to Blind Ptychographic Diffraction Imaging. SIAM Journal on Imaging Sciences, 2015, 8, 426-457 Longitudinal LASSO. 2015, Sparse Representation-Based Deformation Model for Atlas-Based Segmentation of Liver CT Images. 2015, 410-419 Convergence Rate of Overlapping Domain Decomposition Methods for the RudinOsherFatemi Model Based on a Dual Formulation. SIAM Journal on Imaging Sciences, 2015, 8, 564-591 Joint multi-shot multi-channel image reconstruction in compressive diffusion weighted MR	9

822	Efficient Resolution Enhancement Algorithm for Compressive Sensing Magnetic Resonance Image Reconstruction. 2015 , 519-527	
821	Control subgradient algorithm for image (ell _1) regularization. 2015 , 9, 275-283	8
820	Adaptive monotone fast iterative shrinkage thresholding algorithm for fluorescence molecular tomography. 2015 , 9, 587-595	2
819	On-Chip Sparse Learning Acceleration With CMOS and Resistive Synaptic Devices. 2015 , 14, 969-979	18
818	Exploiting FRI signal structure for sub-Nyquist sampling and processing in medical ultrasound. 2015 ,	2
817	Dictionary-based image reconstruction for superresolution in integrated circuit imaging. 2015 , 23, 15072-87	3
816	Nonlinear Sparse Component Analysis with a Reference: Variable Selection in Genomics and Proteomics. 2015 , 168-175	
815	Pre-stack basis pursuit seismic inversion for brittleness of shale. 2015 , 12, 618-627	17
814	Structural Atomic Representation for Classification. 2015 , 45, 2905-13	7
813	A Total Fractional-Order Variation Model for Image Restoration with Nonhomogeneous Boundary Conditions and Its Numerical Solution. <i>SIAM Journal on Imaging Sciences</i> , 2015 , 8, 2487-2518	68
812	Lingo. 2015 ,	4
811	A General Inertial Proximal Point Algorithm for Mixed Variational Inequality Problem. 2015 , 25, 2120-2142	53
810	Radar Imaging with Quantized Measurements Based on Compressed Sensing. 2015,	
809	Video super-resolution with registration-reliability regulation and adaptive total variation. 2015 , 30, 181-190	8
808	Joint Structural Learning to Rank with Deep Linear Feature Learning. 2015 , 27, 2756-2769	5
807	Semidefinite Programming For Chance Constrained Optimization Over Semialgebraic Sets. 2015 , 25, 1411-1440	23
806	A robust Correntropy-based method for analyzing multisample aCGH data. 2015 , 106, 257-64	14
805	. 2015 , 53, 6791-6803	46

804	SIRF: Simultaneous Satellite Image Registration and Fusion in a Unified Framework. 2015, 24, 4213-24	87
803	Multi-frequency diffuse optical tomography for cancer detection. 2015,	1
802	Undersampling the system matrix of a single sided MPI-scanner. 2015 ,	
801	Learning Efficient Sparse and Low Rank Models. 2015 , 37, 1821-33	74
800	CS-based fast ultrasound imaging with improved FISTA algorithm. 2015,	1
799	Accelerated statistical reconstruction for C-arm cone-beam CT using Nesterov's method. 2015 , 42, 2699-708	27
798	Compressed sensing for longitudinal MRI: An adaptive-weighted approach. 2015 , 42, 5195-208	59
797	Passive Synthetic Aperture Radar Imaging Using Low-Rank Matrix Recovery Methods. 2015 , 9, 1570-1582	20
796	Attribute Guided Dictionary Learning. 2015,	7
795	Optimizing Batch Linear Queries under Exact and Approximate Differential Privacy. 2015 , 40, 1-47	15
794	Using Nesterov's Method to Accelerate Multibody Dynamics with Friction and Contact. 2015 , 34, 1-14	50
793	Pattern Recognition. 2015,	5
792	Metric selection in fast dual forwardBackward splitting. 2015 , 62, 1-10	25
791	. 2015 , 32, 100-112	33
790	A projection method for convex constrained monotone nonlinear equations with applications. 2015 , 70, 2442-2453	56
789	The Generalized Group Lasso. 2015 ,	1
788	Inertial Proximal ADMM for Linearly Constrained Separable Convex Optimization. <i>SIAM Journal on Imaging Sciences</i> , 2015 , 8, 2239-2267	79
787	Transfer Learning for Bilingual Content Classification. 2015 ,	7

786	LINKAGE. 2015 ,	6
785	Approximate message passing-based compressed sensing reconstruction with generalized elastic net prior. 2015 , 37, 19-33	2
784	Social Spammer and Spam Message Co-Detection in Microblogging with Social Context Regularization. 2015 ,	17
783	An Efficient GaussNewton Algorithm for Symmetric Low-Rank Product Matrix Approximations. 2015 , 25, 1571-1608	16
782	Multi-Task Learning for Spatio-Temporal Event Forecasting. 2015,	72
781	Accelerated, Parallel, and Proximal Coordinate Descent. 2015 , 25, 1997-2023	88
780	The Cyclic Block Conditional Gradient Method for Convex Optimization Problems. 2015 , 25, 2024-2049	12
779	The augmented Lagrangian method based on the APG strategy for an inverse damped gyroscopic eigenvalue problem. 2015 , 62, 815-850	2
778	Block Stochastic Gradient Iteration for Convex and Nonconvex Optimization. 2015 , 25, 1686-1716	50
777	Image deblurring with mixed regularization via the alternating direction method of multipliers. 2015 , 24, 043020	
776	A fast algorithm for reconstruction of spectrally sparse signals in super-resolution. 2015,	
775	A Smooth Approximation Algorithm of Rank-Regularized Optimization Problem and Its Applications. 2015 , 470-479	1
774	Mapping molecules in scanning far-field fluorescence nanoscopy. 2015 , 6, 7977	55
773	A spatio-temporal low-rank total variation approach for denoising arterial spin labeling MRI data. 2015 ,	10
772	L1 norm constrained migration of blended data with the FISTA algorithm. 2015 , 12, 620-628	5
771	l0-norm based structural sparse least square regression for feature selection. 2015 , 48, 3927-3940	22
770	S1/2norm based sparse and low-rank decomposition scheme for video denoising. 2015 , 24, 043013	1
769	A Continuous Exact \$ell_0\$ Penalty (CEL0) for Least Squares Regularized Problem. <i>SIAM Journal on Imaging Sciences</i> , 2015 , 8, 1607-1639	53

768	Solving the EEG inverse problem based on space-time-frequency structured sparsity constraints. 2015 , 118, 598-612	43
767	Dynamic Screening: Accelerating First-Order Algorithms for the Lasso and Group-Lasso. 2015 , 63, 5121-5132	25
766	A General-Thresholding Solution for ₱ (0 2015, 24, 5455-68	45
765	Fluorescence molecular imaging system with a novel mouse surface extraction method and a rotary scanning scheme. 2015 ,	1
764	Zero-Aliasing Correlation Filters for Object Recognition. 2015 , 37, 1702-15	23
763	High-Dimensional Indexing by Sparse Approximation. 2015,	6
762	A Fast Algorithm for Learning Overcomplete Dictionary for Sparse Representation Based on Proximal Operators. 2015 , 27, 1951-82	27
761	Structured Sparsity: Discrete and Convex Approaches. 2015 , 341-387	7
760	Accelerated Alternating Direction Method of Multipliers. 2015,	24
759	Robust Subspace Clustering via Smoothed Rank Approximation. 2015 , 22, 2088-2092	28
75 ⁸	A robust hybrid method for text detection in natural scenes by learning-based partial differential equations. 2015 , 168, 23-34	18
757	Dynamical systems and forwardBackward algorithms associated with the sum of a convex subdifferential and a monotone cocoercive operator. 2015 , 64, 2223-2252	29
756	Iteratively reweighted sparse reconstruction in impulsive noise. 2015,	O
755	. 2015 , 63, 5285-5300	11
754	Efficient and Robust Image Restoration Using Multiple-Feature L2-Relaxed Sparse Analysis Priors. 2015 , 24, 5046-59	15
753	Advanced image reconstruction strategies for 4D prostate DCE-MRI: steps toward clinical practicality. 2015 ,	O
75 ²	Interpolation and denoising of high-dimensional seismic data by learning a tight frame. 2015 , 80, V119-V132	93
75 ¹	High-Resolution Ocean Clutter Spectrum Estimation for Shipborne HFSWR Using Sparse-Representation-Based MUSIC. 2015 , 40, 546-557	7

75°	SAR Imaging With Structural Sparse Representation. 2015 , 8, 3902-3910	7
749	Hierarchical Sparse Dictionary Learning. 2015 , 687-700	1
748	Learning interactions via hierarchical group-lasso regularization. 2015 , 24, 627-654	102
747	Entropy Function-Based Algorithms for Solving a Class of Nonconvex Minimization Problems. 2015 , 3, 441-458	1
746	Accelerating seismic interpolation with a gradient projection method based on tight frame property of curvelet. 2015 , 46, 253-260	14
745	Numerical analysis of a Compressive Sensing approach for ground penetrating radar applications. 2015 ,	2
744	Sparsity Based Ground Moving Target Imaging via Multi-Channel SAR. 2015 ,	3
743	On the acceleration of the double smoothing technique for unconstrained convex optimization problems. 2015 , 64, 265-288	7
742	On the convergence rate of a forward-backward type primal-dual splitting algorithm for convex optimization problems. 2015 , 64, 5-23	15
741	A Novel Compressed Sensing Scheme for Photoacoustic Tomography. 2015 , 75, 2475-2494	30
740	Building an Image Annotation and Tourism Recommender System. 2015 , 24, 1540021	3
739	Tuning of the hyperparameters for L2-loss SVMs with the RBF kernel by the maximum-margin principle and the jackknife technique. 2015 , 48, 3983-3992	14
738	New convergence results for the scaled gradient projection method. 2015 , 31, 095008	35
737	Curvelet-based compressive sensing for InSAR raw data. 2015 ,	
736	Sparsity-driven bandwidth-efficient decentralized tracking in visual sensor networks. 2015 , 139, 40-58	1
735	Stability of Over-Relaxations for the Forward-Backward Algorithm, Application to FISTA. 2015 , 25, 2408-2433	39
734	Forward B ackward Greedy Algorithms for Atomic Norm Regularization. 2015 , 63, 5798-5811	25
733	Accelerating Block-Decomposition First-Order Methods for Solving Composite Saddle-Point and Two-Player Nash Equilibrium Problems. 2015 , 25, 2182-2211	11

732	An Accelerated Randomized Proximal Coordinate Gradient Method and its Application to Regularized Empirical Risk Minimization. 2015 , 25, 2244-2273	33
731	Speeding Up Graph Regularized Sparse Coding by Dual Gradient Ascent. 2015 , 22, 313-317	4
730	Near-Field Radar Imaging via Compressive Sensing. 2015 , 63, 828-833	15
729	Accelerated Microstructure Imaging via Convex Optimization (AMICO) from diffusion MRI data. 2015 , 105, 32-44	225
728	Recurrent Neural Networks and Related Models. 2015 , 237-266	2
727	Automatic Speech Recognition. 2015 ,	75
726	An algorithm framework of sparse minimization for positive definite quadratic forms. 2015 , 151, 223-230	1
725	Efficient Proximal Gradient Algorithms for Joint Graphical Lasso 2021 , 23,	
724	Mixed-Projection Conic Optimization: A New Paradigm for Modeling Rank Constraints.	1
723	Spatially constrained direction-dependent calibration. 2022 , 510, 2718-2723	O
722	Convex Non-convex Variational Models. 2021 , 1-57	
721	Sparse inversion-based seismic random noise attenuation via self-paced learning. 2021 , 2, 223-233	
720	Modeling Disease Progression Flexibly with Nonlinear Disease Structure via Multi-task Learning. 2021 ,	1
719	On the effect of perturbations in first-order optimization methods with inertia and Hessian driven damping. 2022 ,	
718	Approximation Schemes for Materials with Discontinuities. 2022, 505-565	
717	TDM-MIMO Automotive Radar Point-cloud Detection Based on the 2D Hybrid Sparse Antenna Array. 2022 , 1-1	1
716	Proximal algorithm for minimization problems in l0-regularization for nonlinear inverse problems. 1	
715	DouglasPeucker piecewise affine approximation of an optimal fuel consumption problem to apply PANOC. 2022 ,	

714	3D Map Exploration Using Topological Fourier Sparse Set. 2022 , 104, 1	1
713	Extended Brain Sources Estimation via Unrolled Optimization Neural Network.	1
712	Convergence Results of a New Monotone Inertial ForwardBackward Splitting Algorithm Under the Local Hlder Error Bound Condition. 2022 , 85, 1	O
711	Second Order Splitting Dynamics with Vanishing Damping for Additively Structured Monotone Inclusions. 1	
710	Feature Reconstruction from Incomplete Tomographic Data without Detour. 2022, 10, 1318	O
709	A Truncated Newton Algorithm for Nonconvex Sparse Recovery. 2022 ,	
708	Pixelated polarizers array based coded aperture snapshot spectropolarimetric imaging with side information. 2022 , 128329	
707	Generalized inexact Newton regularization for nonlinear ill-posed problems in Banach spaces. 2022 , 38, 065001	1
706	An Accelerated Proximal Extragradient Method with Applications in Representative Selection. 2022 , 2246, 012089	
705	H-BLS: a hierarchical broad learning system with deep and sparse feature learning.	
704	Dynamical Primal-Dual Accelerated Method with Applications to Network Optimization. 2022 , 1-1	3
704 703		3
, ,	Dynamical Primal-Dual Accelerated Method with Applications to Network Optimization. 2022 , 1-1	3
703	Dynamical Primal-Dual Accelerated Method with Applications to Network Optimization. 2022, 1-1 A New Class of Composite Objective Multistep Estimating Sequence Techniques. CDLNet: Noise-Adaptive Convolutional Dictionary Learning Network for Blind Denoising and	
703	Dynamical Primal-Dual Accelerated Method with Applications to Network Optimization. 2022, 1-1 A New Class of Composite Objective Multistep Estimating Sequence Techniques. CDLNet: Noise-Adaptive Convolutional Dictionary Learning Network for Blind Denoising and Demosaicing. 2022, 1-1	1
703 702 701	Dynamical Primal-Dual Accelerated Method with Applications to Network Optimization. 2022, 1-1 A New Class of Composite Objective Multistep Estimating Sequence Techniques. CDLNet: Noise-Adaptive Convolutional Dictionary Learning Network for Blind Denoising and Demosaicing. 2022, 1-1 A Bayesian Based Deep Unrolling Algorithm for Single-Photon Lidar Systems. 2022, 1-1	1
703 702 701 700	Dynamical Primal-Dual Accelerated Method with Applications to Network Optimization. 2022, 1-1 A New Class of Composite Objective Multistep Estimating Sequence Techniques. CDLNet: Noise-Adaptive Convolutional Dictionary Learning Network for Blind Denoising and Demosaicing. 2022, 1-1 A Bayesian Based Deep Unrolling Algorithm for Single-Photon Lidar Systems. 2022, 1-1 Unmatched Preconditioning of the Proximal Gradient Algorithm. 2022, 29, 1122-1126 Feature Selection Based on Regularization of Sparsity Based Regression Models by Hesitant Fuzzy	1

696 Influencers, Inefficiency and Fraud The Bitcoin Price Discovery Network Under the Microscope.

695	High-Throughput Deep Unfolding Network for Compressive Sensing MRI. 2022, 1-1	1
694	Parallel Block Compressive LiDAR Imaging. 2022 , 1-1	О
693	Accelerated Consensus ADMM for Widely Distributed Radar Imaging. 2022,	
692	A model-guided deep convolutional sparse coding network for hyperspectral and multispectral image fusion. 2022 , 43, 2268-2295	2
691	Strong convergence results for quasimonotone variational inequalities. 1	3
690	A truncated nuclear norm regularization model for signal extraction from GNSS coordinate time series. 2022 ,	
689	An Accelerated Convex Optimization Algorithm with Line Search and Applications in Machine Learning. 2022 , 10, 1491	1
688	Tensor Decomposition based on Global Features and Sparse Structure for Analyzing Cancer Multi-omics Data. 2022 , 17,	
687	Tomographic single pixel spatial frequency projection imaging. 2022 , 128401	4
686	A Subspace Acceleration Method for Minimization Involving a Group Sparsity-Inducing Regularizer. 2022 , 32, 545-572	O
685	A new class of inertial algorithms with monotonic step sizes for solving fixed point and variational inequalities.	O
684	Biclustering via structured regularized matrix decomposition. 2022 , 32, 1	
683	Restricted subgradient descend method for sparse signal learning.	
682	Device-free indoor localization based on sparse coding with nonconvex regularization and adaptive relaxation localization criteria.	4
681	Profile Decomposition based Hybrid Transfer Learning for Cold-start Data Anomaly Detection.	
680	Convergence rates analysis of a multiobjective proximal gradient method.	1
679	Proximal Linearized Iteratively Reweighted Algorithms for Nonconvex and Nonsmooth Optimization Problem. 2022 , 11, 201	Ο

678	A primal-dual flow for affine constrained convex optimization.	1
677	Counterfactual explanations and how to find them: literature review and benchmarking. 1	5
676	MRI Reconstruction with Separate Magnitude and Phase Priors Based on Dual-Tree Complex Wavelet Transform 2022 , 2022, 7251674	
675	Block-Coordinate Frank-Wolfe Algorithm And Convergence Analysis For Semi-Relaxed Optimal Transport Problem. 2022 ,	1
674	Alternated and multi-step inertial approximation methods for solving convex bilevel optimization problems. 1-29	3
673	A Deconvolutional Deblurring Algorithm Based on Dual-Channel Images. 2022 , 12, 4864	
672	Scaled Three-Term Conjugate Gradient Methods for Solving Monotone Equations with Application. 2022 , 14, 936	3
671	Improving E ast Iterative Shrinkage-Thresholding Algorithm[]Faster, Smarter, and Greedier. 2022 , 44, A1069-A1091	2
670	Linear convergence of FrankWolfe for rank-one matrix recovery without strong convexity. 1	
669	ADMM-DAD Net: A Deep Unfolding Network for Analysis Compressed Sensing. 2022,	O
669	ADMM-DAD Net: A Deep Unfolding Network for Analysis Compressed Sensing. 2022, L0 regularization-based compressed sensing with quantum-classical hybrid approach.	0
668	L0 regularization-based compressed sensing with quantum-classical hybrid approach.	
668	L0 regularization-based compressed sensing with quantum-classical hybrid approach. Enhancing resolution of seismic data based on the non-local similarity. ReCSAI Recursive compressed sensing artificial intelligence for confocal lifetime localization	
668 667 666	L0 regularization-based compressed sensing with quantum-classical hybrid approach. Enhancing resolution of seismic data based on the non-local similarity. ReCSAI Recursive compressed sensing artificial intelligence for confocal lifetime localization microscopy. Sparse seismic reflectivity inversion using an adaptive fast iterative shrinkage-thresholding	
668 667 666	L0 regularization-based compressed sensing with quantum-classical hybrid approach. Enhancing resolution of seismic data based on the non-local similarity. ReCSAI Recursive compressed sensing artificial intelligence for confocal lifetime localization microscopy. Sparse seismic reflectivity inversion using an adaptive fast iterative shrinkage-thresholding algorithm.	1
668 667 666 665	L0 regularization-based compressed sensing with quantum-classical hybrid approach. Enhancing resolution of seismic data based on the non-local similarity. ReCSAI Recursive compressed sensing artificial intelligence for confocal lifetime localization microscopy. Sparse seismic reflectivity inversion using an adaptive fast iterative shrinkage-thresholding algorithm. An alternated inertial general splitting method with linearization for the split feasibility problem. 1-23 The inertial iterative extragradient methods for solving pseudomonotone equilibrium	1

660	Parameter Estimation in Sparse Inverse Problems Using Bernoulli-Gaussian Prior. 2022,	
659	3D Sparse SAR Image Reconstruction Based on Cauchy Penalty and Convex Optimization. 2022 , 14, 2308	1
658	Industrial Data Denoising via Low-Rank and Sparse Representations and Its Application in Tunnel Boring Machine. 2022 , 15, 3525	1
657	Treatment planning in arc proton therapy: Comparison of several optimization problem statements and their corresponding solvers. 2022 , 105609	1
656	Noise modelling of perfusion CT images for robust hemodynamic parameter estimations 2022,	
655	An Easily Implementable Algorithm for Efficient Projection onto the Ordered Weighted \$\$ell _1\$\$ Norm Ball.	
654	Multi-label learning with missing features and labels and its application to text categorization. 2022 , 14, 200086	
653	Lensfree on-chip microscopy based on single-plane phase retrieval.	O
652	Group linear algorithm with sparse principal decomposition: a variable selection and clustering method for generalized linear models. 1	
651	Mixture Model Auto-Encoders: Deep Clustering Through Dictionary Learning. 2022,	O
650	Data and pilot power controls scheme based on convolutional neural network for massive cellular system with underlaid device-to-device communications.	
649	GliaMorph: A modular image analysis toolkit to quantify MIler glial cell morphology.	
648	Sliding Window Strategy for Convolutional Spike Sorting with Lasso. 2022 , 179,	
647	Exponential squared loss based robust variable selection of AR models. 2022 , 36,	
646	Differentially Private Accelerated Optimization Algorithms. 2022 , 32, 795-821	
645	Deep distributed optimization for blind diffuser-modulation ptychography.	O
644	Stochastic gradient-based fast distributed multi-energy management for an industrial park with temporally-coupled constraints. 2022 , 317, 119107	0
643	Bi-level optimization for the energy conversion efficiency improvement in a photocatalytic-hydrogen-production system. 2022 , 253, 124138	

642	A fast proximal iteratively reweighted nuclear norm algorithm for nonconvex low-rank matrix minimization problems. 2022 , 179, 66-86		
641	Subject-Independent Channel and Feature Selection for Emotion Classification Based on EEG Signal: A Multi-Task Approach. 2021 , 15, 139-157		
640	Signal Processing Techniques Applied to Axial Transmission Ultrasound 2022, 1364, 95-117		
639	lp norm inverse spectral decomposition and its multi-sparsity fusion interpretation. 2021 , 18, 569-578		
638	Adaptive distance penalty based nonnegative low-rank representation for semi-supervised learning.		
637	A globally convergent method for solving a quartic generalized Markowitz portfolio problem. 2022,		
636	2. Direction of Arrival Estimation of Wideband Signals by Compressive Sensing. 2019 , 73, 439-444		
635	Direction of Arrival Estimation and Phase-Correction for Non-Coherent Sub-Arrays: A Convex Optimization Approach. 2022 , 1-1		
634	Variational Rician Noise Removal via Splitting on Spheres. <i>SIAM Journal on Imaging Sciences</i> , 2022 , 15, 521-549	1.9	
633	Global Mapping of Surface Composition on an Exo-Earth Using Sparse Modeling. 2022 , 930, 162		1
632	IMRT and SBRT Treatment Planning Study for the First Clinical Biology-Guided Radiotherapy System 2022 , 21, 15330338221100231		О
631	Generalized Hessian-Schatten norm regularization for image reconstruction. 2022, 1-1		
630	Comparative Study of CUDA GPU Implementations in Python With the Fast Iterative Shrinkage-Thresholding Algorithm for LASSO. 2022 , 10, 53324-53343		
629	Efficient Remote Compressed Spectrum Mapping in 3D Spectrum-heterogeneous Environment with Inaccessible Areas. 2022 , 1-1		Ο
628	A Nonconvex Method to Low-rank Matrix Completion. 2022 , 1-1		
627	A Deep-Learning Approach to Side-Channel Based CPU Disassembly at Design Time. 2022 ,		
626	Fast gradient methods for uniformly convex and weakly smooth problems. 2022, 48,		1
625	An off-the-grid approach to multi-compartment magnetic resonance fingerprinting.		

624	A New Accelerated Fixed-Point Algorithm for Classification and Convex Minimization Problems in Hilbert Spaces with Directed Graphs. 2022 , 14, 1059		O
623	Learning label-specific features with global and local label correlation for multi-label classification.		O
622	Inertial Modification Using Self-Adaptive Subgradient Extragradient Techniques for Equilibrium Programming Applied to Variational Inequalities and Fixed-Point Problems. 2022 , 10, 1751		O
621	Shear Noise Suppression for Seafloor Vertical Geophone Using Robust Reduced-Rank Filtering. 2022 , 1-1		
620	A Sparse-Model-Driven Network for Efficient and High-Accuracy InSAR Phase Filtering. 2022 , 14, 2614		O
619	Learned prior-guided algorithm for flow field visualization in electrical capacitance tomography. 2022 , 103605		
618	It's all relative: Regression analysis with compositional predictors.		
617	An accelerated common fixed point algorithm for a countable family of G-nonexpansive mappings with applications to image recovery. 2022 , 2022,		O
616	MobilePrune: Neural Network Compression via D Sparse Group Lasso on the Mobile System. 2022 , 22, 4081		O
615	Maximum a posteriori natural scene reconstruction from retinal ganglion cells with deep denoiser priors.		O
614	An inertial primal-dual fixed point algorithm for composite optimization problems.		
613	upU-Net Approaches for Background Emission Removal in Fluorescence Microscopy. 2022 , 8, 142		O
612	SISAL Revisited. SIAM Journal on Imaging Sciences, 2022, 15, 591-624	1.9	
611	Scheduled Restart Momentum for Accelerated Stochastic Gradient Descent. <i>SIAM Journal on Imaging Sciences</i> , 2022 , 15, 738-761	1.9	2
610	A Fast Multi-Scale Generative Adversarial Network for Image Compressed Sensing. 2022 , 24, 775		1
609	Elastic Impedance Simultaneous Inversion for Multiple Partial Angle Stack Seismic Data with Joint Sparse Constraint. 2022 , 12, 664		O
608	Compressed sensing based dynamic MR image reconstruction by using 3D-total generalized variation and tensor decomposition: k-t TGV-TD. 2022 , 22,		О
607	A Faster and More Accurate Iterative Threshold Algorithm for Signal Reconstruction in Compressed Sensing. 2022 , 22, 4218		1

606	Sparse group selection and analysis of function-related residue for protein-state recognition.	
605	Approximation method for monotone inclusion problems in real Banach spaces with applications. 2022 , 2022,	2
604	Spatially adaptive blind deconvolution methods for optical coherence tomography. 2022 , 147, 105650	1
603	Vehicle weight identification based on equivalent loads reconstructed from responses of beam-like bridge. 2022 , 534, 117072	
602	Computational Mean-Field Games on Manifolds.	
601	Joint Retrospective Motion Correction and Reconstruction for Brain MRI With a Reference Contrast. 2022 , 1-7	
600	Phase-Based Palmprint Identification with Convolutional Sparse Coding. 2022, 1-1	
599	Compressed Sensing. 2022 , 155-175	
598	Becond-Order Primall Hirst-Order Duall Dynamical Systems with Time Scaling for Linear Equality Constrained Convex Optimization Problems. 2022, 1-1	O
597	Change Point Detection and Node Clustering for Time Series of Graphs. 2022 , 1-16	O
596	Inertial iterative method with self-adaptive step size for finite family of split monotone variational inclusion and fixed point problems in Banach spaces. 2022 , 55, 193-216	7
595	An optimal gradient method for smooth strongly convex minimization.	O
594	Parallel matrix factorization-based collaborative sparsity and smooth prior for estimating missing values in multidimensional data.	
593	Fast multidimensional completion and principal component analysis methods via the cosine product. 2022 , 59,	
592	Iterative phase retrieval with a sensor mask.	О
591	Spatially Adapted First and Second Order Regularization for Image Reconstruction: From an Image Surface Perspective. 2022 , 92,	
590	Seismic Data Anti-Aliasing Interpolation Using Sparse Radon Transform and Dynamic Mask Function. 1-53	1
589	Convergence Analysis of New Construction Explicit Methods for Solving Equilibrium Programming and Fixed Point Problems. 2022 , 2022, 1-23	

588 $\,$ An Accelerated Proximal Gradient Algorithm for Hankel Tensor Completion.

587	Provable convergence of Nesterov accelerated gradient method for over-parameterized neural networks. 2022 , 109277	0
586	Pixel Super-Resolution Phase Retrieval for Lensless On-Chip Microscopy via Accelerated Wirtinger Flow. 2022 , 11, 1999	0
585	Inertial proximal incremental aggregated gradient method with linear convergence guarantees.	
584	Sparse DDK: A Data-Driven Decorrelation Filter for GRACE Level-2 Products. 2022 , 14, 2810	Ο
583	Deep Camera Obscura: An Image Restoration Pipeline for Pinhole Photography.	0
582	Effects of fast X-Ray cone-beam tomographic measurement on dimensional metrology.	0
581	A probabilistic Bayesian approach to recover R2*\$\$ {R}_{2ast} \$\$ map and phase images for quantitative susceptibility mapping.	
580	Convergence rates of a dual gradient method for constrained linear ill-posed problems.	0
579	Convergence of the forward-backward algorithm: beyond the worst-case with the help of geometry.	1
578	Dual-color terahertz spatial light modulator for single-pixel imaging. 2022 , 11,	9
577	Sensitivity of Sparse Codes to Image Distortions. 2022 , 34, 1616-1635	
576	Grouped Transformations and Regularization in High-Dimensional Explainable ANOVA Approximation. 2022 , 44, A1606-A1631	
575	Two-step proximal gradient descent algorithm for photoacoustic signal unmixing. 2022 , 27, 100379	2
574	A semi-analytical method for moving force identification of bridge structures based on the discrete cosine transform and FEM. 2022 , 180, 109444	1
573	Online Tensor Robust Principal Component Analysis. 2022 , 10, 69354-69363	1
572	A unified and tight linear convergence analysis of the relaxed proximal point algorithm. 2022,	
571	Decentralized Non-Convex Learning With Linearly Coupled Constraints: Algorithm Designs and Application to Vertical Learning Problem. 2022 , 70, 3312-3327	

57°	View-Aware Collaborative Learning for Survival Prediction and Subgroup Identification. 2022, 1-12		
569	Interpretable Neural Network via Algorithm Unrolling for Mechanical Fault Diagnosis. 2022 , 71, 1-11		3
568	Assessing the Scalability and Privacy of Energy Communities by Using a Large-Scale Distributed and Parallel Real-Time Optimization. 2022 , 10, 69771-69787		1
567	BLCR: Towards Real-time DNN Execution with Block-based Reweighted Pruning. 2022,		3
566	A Compressed Sensing Faraday Depth Reconstruction Framework for the MeerKAT MIGHTEE-POL Survey. 2022 ,		
565	Spatiotemporal superresolution measurement based on POD and sparse regression applied to a supersonic jet measured by PIV and near-field microphone.		Ο
564	Highly accelerated EPI with wave encoding and multi-shot simultaneous multislice imaging. 2022 , 88, 1180-1197		О
563	Fast algorithm for box-constrained fractional-order total variation image restoration with impulse noise.		
562	Unifying mirror descent and dual averaging.		
561	MRI Image Fusion Based on Optimized Dictionary Learning and Binary Map Refining in Gradient Domain.		1
560	Bayesian Imaging with Data-Driven Priors Encoded by Neural Networks. <i>SIAM Journal on Imaging Sciences</i> , 2022 , 15, 892-924	1.9	2
559	A Scaled Dailfuan Projection-Based Conjugate Gradient Method for Solving Monotone Equations with Applications. 2022 , 14, 1401		1
558	Regularized Variational Estimation for Exploratory Item Factor Analysis.		О
557	Energy layer optimization via energy matrix regularization for proton spot-scanning arc therapy.		1
556	A modified forward-backward splitting methods for the sum of two monotone operators with applications to breast cancer prediction.		
555	Convergence of a Piggyback-Style Method for the Differentiation of Solutions of Standard Saddle-Point Problems. 2022 , 4, 1003-1030		
554	A Smoothing Inertial Neural Network for Sparse Signal Reconstruction with Noise Measurements via \$\$L_p\$\$-\$\$L_1\$\$ minimization.		
553	Fast inertial dynamic algorithm with smoothing method for nonsmooth convex optimization.		

552 $\,$ Sparse Radon transform in the mixed frequency-time domain with $1\!\!1\!\!2$ minimization. 1-133

551	Self-paced and Bayes-decision-rule linear KNN prediction.		
550	Discriminatory Label-specific Weights for Multi-label Learning with Missing Labels.		О
549	Four decades of image processing: a bibliometric analysis.		0
548	Fast and Efficient PAT Image Reconstruction Algorithms: A Comparative Performance Analysis 2022 , 108691		0
547	Joint Random Stepped Frequency ISAR Imaging and Autofocusing based on 2D alternating direction method of multipliers. 2022 , 108684		
546	Distributed sparse optimization for source localization over diffusion fields with cooperative spatiotemporal sensing. 1-15		
545	An Iterative Reduction FISTA Algorithm for Large-Scale LASSO. 2022 , 44, A1989-A2017		
544	Audio magnetotelluric denoising via variational mode decomposition and adaptive dictionary learning. 2022 , 204, 104748		
543	Discovering urban functional zones from biased and sparse points of interests and sparse human activities. 2022 , 207, 118062		
542	Blade tip timing for monitoring crack propagation of rotor blades using Block-AOLS. 2022 , 181, 109498		1
541	Pooling strategies in V1 can account for the functional and structural diversity across species. 2022 , 18, e1010270		
540	An inexact primaldual method with correction step for a saddle point problem in image debluring.		
539	A temperature field reconstruction method based on acoustic thermometry. 2022 , 111642		О
538	A Fast Averaged Kaczmarz Iteration with Convex Penalty for Inverse Problems in Hilbert Spaces. SIAM Journal on Imaging Sciences, 2022, 15, 1079-1103	1.9	0
537	Sparse feedback stabilization in high-order linear systems.		
536	Some modified fast iterative shrinkage thresholding algorithms with a new adaptive non-monotone stepsize strategy for nonsmooth and convex minimization problems.		
535	Inertial primal-dual dynamics with damping and scaling for linearly constrained convex optimization problems. 1-26		O

534	An inexact symmetric ADMM algorithm with indefinite proximal term for sparse signal recovery and image restoration problems. 2022 , 114628	1
533	Cross-spectral matrix denoising for beamforming based on Schatten-p norm. 2022 , 197, 108938	1
532	Deconvolution ISTA: A solver for multidimensional convolution problems with low computational complexity. 2022 ,	
531	3-D Image-Domain Least-Squares Reverse Time Migration With L1 Norm Constraint and Total Variation Regularization. 2022 , 60, 1-14	2
530	Noise-level Aware Compressed Analysis Framework for Robust Electrocardiography Signal Monitoring. 2022 , 1-12	
529	Deep Learning Based Compressive Sensing for Image Reconstruction and Inference. 2022,	
528	Time-Data Tradeoffs in Structured Signals Recovery via the Proximal-Gradient Homotopy Method. 2022 ,	
527	Deep Unfolding-based Detection for Quantized Massive MU-MIMO-OFDM Systems. 2022,	
526	Joint Weighted and Truncated Nuclear Norm Minimization for Matrix Completion-Assisted mmWave MIMO Channel Estimation. 2022 ,	
525	Approximate Empirical Bayes Estimation of the Regularization Parameter in 1 Trend Filtering. 2022 ,	
524	Generalizing Nesterov Acceleration Framework by Embedding Momentum Into Estimating Sequences: New Algorithm and Bounds. 2022 ,	
523	Accelerated Proximal Alternating Gradient-Descent-Ascent for Nonconvex Minimax Machine Learning. 2022 ,	
522	Safeguarded Anderson acceleration for parametric nonexpansive operators. 2022,	
521	Learned Block Iterative Shrinkage Thresholding Algorithm for Photothermal Super Resolution Imaging. 2022 , 22, 5533	O
520	Relaxed Inertial Methods for Solving Split Variational Inequality Problems Without Product Space Formulation. 2022 , 42, 1701-1733	2
519	Iterative Shrinkage-Thresholding Algorithm and Model-Based Neural Network for Sparse LQR Control Design. 2022 ,	
518	High performance Savu software for fast 3D model-based iterative reconstruction of large data at Diamond Light Source. 2022 , 19, 101157	
517	Sparse and risk diversification portfolio selection.	

Compressive sensing based asymmetric semantic image compression for resource-constrained IoT 516 system. 2022, Dictionary learning compressed sensing reconstruction: pilot validation of accelerated echo planar 515 J-resolved spectroscopic imaging in prostate cancer. 2022, 35, 667-682 FISTA-CSNet: a deep compressed sensing network by unrolling iterative optimization algorithm. 514 \circ Adaptive permissible region based random Kaczmarz reconstruction method for localization of 513 carotid atherosclerotic plaques in fluorescence molecular tomography. 2022, 67, 175008 Lensless imaging through thin scattering layers under broadband illumination. 512 Some accelerated alternating proximal gradient algorithms for a class of nonconvex nonsmooth 511 problems. Compressed Sensing Based RFI Mitigation and Restoration for Pulsar Signals. 2022, 935, 117 510 O Generalized Nesterov

■ accelerated proximal gradient algorithms with convergence rate of order 509 o(1/k2). A globally convergent derivative-free projection algorithm for signal processing. 1-20 508 Elastic Net-based Non-Negative Iterative Three-Operator Splitting Strategy for Cerenkov 507 Luminescence Tomography. Dynamic Proximal Unrolling Network for Compressive Imaging. 2022, 506 Active Neuron Least Squares: A Training Method for Multivariate Rectified Neural Networks. 2022, 505 44, A2253-A2275 Hot-spots detection in count data by Poisson assisted smooth sparse tensor decomposition. 1-31 504 Proximal Gradient Methods for General Smooth Graph Total Variation Model in Unsupervised 503 Learning. 2022, 93, A unified model for the sparse optimal scoring problem. 2022, 108976 502 A Local MM Subspace Method for Solving Constrained Variational Problems in Image Recovery. 501 How Can We Identify the Sparsity Structure Pattern of High-Dimensional Data: an Elementary 500 Statistical Analysis to Interpretable Machine Learning. 2022, 112, 223-238 Stochastic Optimization with Decision-Dependent Distributions. 499

498	DoG-HiT: A novel VLBI multiscale imaging approach.	О
497	Seismic noise attenuation via learned and analytical basis functions. 2022 ,	
496	Application of least squares one-way wave migration in irregular sampling data of Bohai Bay Basin. 2022 ,	
495	Relaxed inertial Tseng extragradient method for variational inequality and fixed point problems. 1-26	5
494	A Generalized Linear Joint Trained Framework for Semi-Supervised Learning of Sparse Features. 2022 , 10, 3001	
493	First-Order Methods for Problems with \$O\$(1) Functional Constraints Can Have Almost the Same Convergence Rate as for Unconstrained Problems. 2022 , 32, 1759-1790	1
492	Blind Deconvolution with Non-smooth Regularization via Bregman Proximal DCAs. 2022, 108734	
491	BLPnet: A new DNN model and Bengali OCR engine for Automatic Licence Plate Recognition. 2022 , 100244	O
490	LG-Net: Local and global complementary priors induced multi-stage progressive network for compressed sensing. 2022 , 108737	
489	A nested primaldual FISTA-like scheme for composite convex optimization problems.	O
488	Convergence Rates of the Heavy Ball Method for Quasi-strongly Convex Optimization. 2022, 32, 1817-1842	1
487	Optimistic optimisation of composite objective with exponentiated update.	
486	Learned Lensless 3D Camera.	O
485	A Robust Sparse Imaging Algorithm Using Joint MIMO Array Manifold and Array Channel Outliers. 2022 , 14, 4120	O
484	A generalized thresholding algorithm with dimension reduction for device-free localization in IoT.	
483	Accelerated Deconvolved Imaging Algorithm for 2D Multibeam Synthetic Aperture Sonar. 2022 , 22, 6016	
482	Fast Augmented Lagrangian Method in the convex regime with convergence guarantees for the iterates.	1
481	Seismic reflectivity inversion via a regularized deep image prior. 2022,	

480	JR2net: A Joint Non-Linear Representation andRecovery Network for Compressive Spectral Imaging.	1
479	A review of non-cognitive applications for neuromorphic computing.	O
47 ⁸	From the Ravine Method to the Nesterov Method and Vice Versa: A Dynamical System Perspective. 2022 , 32, 2074-2101	O
477	A wonderful triangle in compressed sensing. 2022 , 611, 95-106	
476	Computation of the nonnegative canonical tensor decomposition with two accelerated proximal gradient algorithms. 2022 , 129, 103682	
475	SREMI: Super-resolution electromagnetic imaging with single-channel ground-penetrating radar. 2022 , 205, 104777	
474	NLGC: Network localized Granger causality with application to MEG directional functional connectivity analysis. 2022 , 260, 119496	1
473	BLCov: A novel collaborativeDompetitive broad learning system for COVID-19 detection from radiology images. 2022 , 115, 105323	O
472	A robust method for instantaneous frequency estimation via inverse spectral decomposition. 2022 , 206, 104782	
471	Huberized one-class support vector machine with truncated loss function in the primal space. 2022 , 173, 103208	
47°	Convergence results of two-step inertial proximal point algorithm. 2022 , 182, 57-75	1
469	Sparse spatially clustered coefficient model via adaptive regularization. 2023, 177, 107581	O
468	A novel dictionary learning named deep and shared dictionary learning for fault diagnosis. 2023 , 182, 109570	O
467	Reassignment-enable reweighted sparse time-frequency analysis for sparsity-assisted aeroengine rub-impact fault diagnosis. 2023 , 183, 109602	1
466	Compressive sensing of ECG signals using plug-and-play regularization. 2023 , 202, 108738	1
465	A unified analysis of convex and non-convex \$\$ell _p\$\$-ball projection problems.	Ο
464	Performance measure for sparse recovery algorithms in compressed sensing perspective.	0
463	Deep unfolding for multi-measurement vector convolutional sparse coding to denoise unobtrusive electrocardiography signals. 2,	O

462	Robust support vector machine classifier with truncated loss function by gradient algorithm. 2022 , 172, 108630	0
461	A hybrid deep learning model for ECT image reconstruction of cryogenic fluids. 2022 , 87, 102228	Ο
460	Influence line estimation of bridge based on Elastic Net and vehicle-induced response. 2022 , 202, 111883	0
459	A cascade of preconditioned conjugate gradient networks for accelerated magnetic resonance imaging. 2022 , 225, 107090	O
458	Deep transform and metric learning network: Wedding deep dictionary learning and neural network. 2022 , 509, 244-256	1
457	A spatio-temporal decomposition framework for dynamic functional connectivity in the human brain. 2022 , 263, 119618	O
456	Fast primaldual algorithm via dynamical system for a linearly constrained convex optimization problem. 2022 , 146, 110547	0
455	References. 2023 , 251-271	O
454	Contrastive explanations. 2023 , 217-225	O
453	Group-preserving label-specific feature selection for multi-label learning. 2023, 213, 118861	O
452	A proximal quasi-Newton method based on memoryless modified symmetric rank-one formula. 2022 , 0	O
451	Graphical Inference in Linear-Gaussian State-Space Models. 2022 , 1-15	O
450	A Non-Parametric Constrained Regression Algorithm for Dual Norm Computation and its Applications.	О
449	Sparse reconstruction of magnetic resonance image combined with two-step iteration and adaptive shrinkage factor. 2022 , 19, 13214-13226	O
448	A Deep Unfolded Prior-Aided RPCA Network For Cloud Removal. 2022 , 1-5	О
447	Balancing Statistical and Computational Precision: A General Theory and Applications to Sparse Regression. 2022 , 1-1	O
446	Adversarial Deep Learning: A Survey on Adversarial Attacks and Defense Mechanisms on Image Classification. 2022 , 10, 102266-102291	О
445	A Memory-Efficient Self-Supervised Dynamic Image Reconstruction Method Using Neural Fields. 2022 , 8, 879-892	O

444	Image Processing Perspectives of X-Ray Fluorescence Data in Cultural Heritage Sciences. 2022 , 1-12	Ο
443	Single and Union Non-Parallel Support Vector Machine Frameworks.	O
442	SAF-3DNet: Unsupervised AMP-Inspired Network for 3-D MMW SAR Imaging and Autofocusing. 2022 , 60, 1-15	О
441	Evaluation of Optimization Algorithms and Noise Robustness of Sparsity-Promoting Dynamic Mode Decomposition. 2022 , 10, 80748-80763	O
440	Data-Driven Sensor Selection Method Based on Proximal Optimization for High-Dimensional Data With Correlated Measurement Noise. 2022 , 1-13	1
439	MIMO Multifunction RF Systems: Detection Performance and Waveform Design. 2022 , 70, 4381-4394	1
438	Beam shaping of highly multimode sources with cascaded diffractive optical elements. 2022 , 111, 566-570	0
437	Information Theory with Kernel Methods. 2022 , 1-1	O
436	Orientation-Shared Convolution Representation for 'CT Metal Artifact Learning. 2022 , 665-675	0
435	Surface Oxide Detection and Characterization Using Sparse Unmixing on Hyperspectral Images. 2022 , 291-302	O
434	Tree-Structured Dilated Convolutional Networks for Image Compressed Sensing. 2022, 10, 98374-98383	O
433	A MAXIMUM LIKELIHOOD ESTIMATION OF POTENTIAL GAME MODELS WITH MULTIPLE EQUILIBRIA. 2022 , 78, 150-165	O
432	Poisson Phase Retrieval in Very Low-Count Regimes. 2022 , 8, 838-850	1
431	Phase Separation in Alkali Silicate Glasses Detected Through Inverse Laplace Transform of 29Si Nuclear Magnetic Resonance Echo Train Decay.	O
430	Angular and Spectral Sparse Sensing With End-to-End Optimized Nanophotonics. 2022,	0
429	Reexamining low rank matrix factorization for trace norm regularization. 2022 , 5, 1-22	O
428	MDLNet: Integrating Model-Driven and Data-Driven Approaches for Pansharpening. 2022, 60, 1-16	О
427	Distributed Control for an Urban Traffic Network. 2022 , 1-17	O

426	Deep Generalized Unfolding Networks for Image Restoration. 2022,	3
425	Development of Image Reconstruction Algorithms for Few-View Computed Tomography at RFNCINITF: History, State of the Art, and Prospects. 2022 , 58, 455-465	Ο
424	Sparse Processing for Driver Respiration Monitoring using In-Vehicle mmWave Radar. 2022,	0
423	RU-Net: Regularized Unrolling Network for Scene Graph Generation. 2022,	3
422	Adatomo-Net: a Novel Deep Learning Approach for SAR Tomography Imaging and Autofocusing. 2022 ,	0
421	Continuous-wave terahertz holographic diffraction tomography based on multiple scattering forward model. 2023 , 160, 107309	O
420	l1-weighted regularization for the problem of recovering sparse initial conditions in parabolic equations from final measurements. 2023 , 183, 301-316	0
419	Focusing Azimuth Periodically Interrupted SAR Echo with Deconvolution by Complex FISTA. 2022,	Ο
418	Partial Multi-Label Feature Selection. 2022 ,	0
4 ¹ 7	Multi-Label Learning with Missing Labels via Common and Label-Specific Features. 2022,	O
416	Heterogeneous Image Change Detection Based on Two-Stage Joint Feature Learning. 2022,	0
4 ¹ 5	Sparse Aperture ISAR Imaging Method Based on Meta-CV-ADMMN. 2022 ,	O
414	Self-adaptive Forward B ackward Contraction-type Methods for Generalized Split Feasibility Problems. 2022 , 19,	0
413	Robust multivariate lasso regression with covariance estimation. 1-31	Ο
412	Newton acceleration on manifolds identified by proximal gradient methods.	0
411	Three-dimensional density field of a screeching under-expanded jet in helical mode using multi-view digital holographic interferometry. 2022 , 947,	1
410	Improved Knowledge Distillationwith Dynamic Network Pruning.	0
409	An accelerated sequential minimal optimization method for the least squares support vector machine.	O

408	Gradient-constrained model parametrization in 3-D compact full waveform inversion. 2022, 232, 366-397	О
407	Double Your Corners, Double Your Fun: The Doorway Camera. 2022 ,	O
406	An Overview of Signal Processing Techniques for RIS/IRS-Aided Wireless Systems. 2022 , 16, 883-917	15
405	A comparison of regularization models for few-view CT image reconstruction.	O
404	Compressive Sensing MRI Reconstruction with Shearlet Sparsity and non-Convex Hybrid Total Variation.	0
403	Signal and Image Reconstruction with Tight Frames via Unconstrained 🗓 Analysis Minimizations. 2022 , 108755	О
402	Hybrid representation based on dictionaries for hyperspectral image classification. 2022, 16,	0
401	Compensation of Modeling Errors for the Aeroacoustic Inverse Problem with Tools from Deep Learning. 2022 , 4, 834-848	O
400	New proximal type algorithms for convex minimization and its application to image deblurring. 2022 , 41,	1
399	Iterative tomographic reconstruction with TV prior for low-dose CBCT dental imaging.	O
398	Deep preconditioners and their application to seismic wavefield processing. 10,	0
397	Smoothed Variable Sample-Size Accelerated Proximal Methods for Nonsmooth Stochastic Convex Programs.	О
396	An indefinite proximal subgradient-based algorithm for nonsmooth composite optimization.	О
395	A Fast ISAR Imaging Method Based on Strategy Weighted CAMP Algorithm. 2022 , 22, 17022-17030	O
394	Polarization-sensitive intensity diffraction tomography.	0
393	WARPd: A Linearly Convergent First-Order Primal-Dual Algorithm for Inverse Problems with Approximate Sharpness Conditions. 2022 , 15, 1539-1575	O
392	Training of an Extreme Learning Machine Autoencoder Based on an Iterative Shrinkage-Thresholding Optimization Algorithm. 2022 , 12, 9021	0
391	Optimizing speckles for dynamic objects using genetic algorithm in ghost imaging. 2022 , 12, 095012	O

390	Distributed Mathematical Optimization. 2023 , 175-190	0
389	Advanced direction of arrival estimation using step-learnt iterative soft-thresholding for frequency-modulated continuous wave multiple-input multiple-output radar.	O
388	Concave likelihood-based regression with finite-support response variables.	0
387	Robust AOA-Based Target Localization for Uniformly Distributed Noise via p-1 Optimization. 2022 , 24, 1259	O
386	Sparsity-Based Two-Dimensional DOA Estimation for Co-Prime Planar Array via Enhanced Matrix Completion. 2022 , 14, 4690	0
385	Modified inertial projection and contraction algorithms with non-monotonic step sizes for solving variational inequalities and their applications. 1-40	O
384	Image reconstruction algorithms in radio interferometry: From handcrafted to learned regularization denoisers.	1
383	New Bregman proximal type algorithms for solving DC optimization problems .	О
382	Non-negative constrained dictionary learning for compressed sensing of ECG signals. 2022 , 43, 095005	0
381	Deep unfolding dictionary learning for seismic denoising. 1-122	O
380	Convergence rate analysis for fixed-point iterations of generalized averaged nonexpansive operators. 2022 , 24,	0
379	Blind Image Inpainting with Mixture Noise Using (i) and Total Regularization. 2022 , 2022, 1-10	O
378	An efficient rectangular optimization method for sparse orthogonal collimator based small animal irradiation. 2022 , 67, 195010	0
377	Sparse estimation via lower-order penalty optimization methods in high-dimensional linear regression.	O
376	Multi-task learning-based feature selection and classification models for glioblastoma and solitary brain metastases. 12,	0
375	Convergence Properties of Monotone and Nonmonotone Proximal Gradient Methods Revisited.	O
374	Scaled, Inexact, and Adaptive Generalized FISTA for Strongly Convex Optimization. 2022, 32, 2428-2459	0
373	Deep learning for compressive sensing: a ubiquitous systems perspective.	1

372	Accelerated cardiac cine MRI using spatiotemporal correlation-based hybrid plug-and-play priors (SEABUS).	Ο
371	A Dimension Reduction Technique for Large-Scale Structured Sparse Optimization Problems with Application to Convex Clustering. 2022 , 32, 2294-2318	O
370	An Accelerated Level-Set Method for Inverse Scattering Problems. 2022 , 15, 1576-1600	О
369	Convergence Analysis of a Modified Forward-Backward Splitting Algorithm for Minimization and Application to Image Recovery. 2022 , 2022, 1-9	Ο
368	Hyperfast Second-Order Local Solvers for Efficient Statistically Preconditioned Distributed Optimization. 2022 , 100045	1
367	A convex relaxation framework consisting of a primaldual alternative algorithm for solving D sparsity-induced optimization problems with application to signal recovery based image restoration. 2022 , 114878	1
366	Improved whole-brain multivariate hemodynamic deconvolution for multi-echo fMRI with stability selection.	0
365	An extrapolated iteratively reweighted \$\$ell _1\$\$ method with complexity analysis.	Ο
364	Training generalizable quantized deep neural nets. 2022 , 118736	Ο
363	Compressed Sensing in Photonics: A Tutorial.	Ο
362	Imbalance multi-label data learning with label specific features. 2022 , 513, 395-408	О
361	Physics-informed multi-fidelity learning-driven imaging method for electrical capacitance tomography. 2022 , 116, 105467	Ο
360	Generalized Brain Image Synthesis with Transferable Convolutional Sparse Coding Networks. 2022 , 183-199	Ο
359	Explainable bilevel optimization: An application to the Helsinki deblur challenge. 2022 , 0-0	Ο
358	Plug-and-Play Regularization Using Linear Solvers. 2022 , 31, 6344-6355	О
357	Direct nonlinear acceleration. 2022 , 10, 100047	Ο
356	Varying coefficient linear discriminant analysis for dynamic data. 2022 , 16,	0
355	QISTA-ImageNet: A Deep Compressive Image Sensing Framework Solving \$\$ell _q\$\$-Norm Optimization Problem. 2022 , 406-422	О

354	On stochastic accelerated gradient with convergence rate. 2022 , 20, 1184-1194	O
353	Turning Door Frames into Cameras for 3D Non-line-of-sight Imaging. 2022 ,	Ο
352	A Mini-Batch Proximal Stochastic Recursive Gradient Algorithm with Diagonal Barzilai ${f B}$ orwein Stepsize.	O
351	A bearing prognosis framework based on deep wavelet extreme learning machine and particle filtering. 2022 , 109763	O
350	CS-ROMER: A novel compressed sensing framework for Faraday depth reconstruction.	0
349	Tomographic detection of photon pairs produced from high-energy X-rays for the monitoring of radiotherapy dosing.	O
348	REPNP: Plug-and-Play with Deep Reinforcement Learning Prior for Robust Image Restoration. 2022	O
347	Deep LearningBased Dictionary Learning and Tomographic Image Reconstruction. 2022 , 15, 1729-1764	O
346	Blind Remote Sensing Image Deblurring Based on Overlapped Patches[Non-Linear Prior. 2022, 22, 7858	0
345	An elementary approach to tight worst case complexity analysis of gradient based methods.	O
344	Deconvolution beamforming based on a fast gradient algorithm for sound source localization. 1461348422	1360
343	TransUNet-based inversion method for ghost imaging. 2022 , 39, 3100	O
342	An Ensemble of Proximal Networks for Sparse Coding. 2022,	0
341	Convex Quadratic Programming for Slimming Convolutional Networks. 2022,	O
340	Iteration Complexity of a Proximal Augmented Lagrangian Method for Solving Nonconvex Composite Optimization Problems with Nonlinear Convex Constraints.	0
339	Fast Hierarchical Deep Unfolding Network for Image Compressed Sensing. 2022,	O
338	Sub-mm resolution tomographic imaging in turbid media by an ultra-high density multichannel approach. 2022 , 13, 5926	1
337	Efficient Depth Selection for the Implementation of Noisy Quantum Approximate Optimization Algorithm. 2022 ,	O

336	Non-Smooth Energy Dissipating Networks. 2022,	0
335	Physics-based Deep Learning for Imaging Neuronal Activity via Two-photon and Light Field Microscopy.	O
334	On the uniqueness of solutions for the basis pursuit in the continuum. 2022 , 38, 125005	О
333	A New Tensor Multi-rank Approximation with Total Variation Regularization for Tensor Completion. 2022 , 93,	O
332	A phase transition for finding needles in nonlinear haystacks with LASSO artificial neural networks. 2022 , 32,	0
331	A Semismooth Newton-based Augmented Lagrangian Algorithm for Density Matrix Least Squares Problems.	Ο
330	A survey of numerical algorithms that can solve the Lasso problems.	О
329	Self-dependence multi-label learning with double k for missing labels.	О
328	Informed Spatial Regularizations For Fast Fusion Of Astronomical Images. 2022,	О
327	High resolution cerebral perfusion deconvolution via mixture of Gaussian model based on noise properties. 2022 ,	O
326	EISTAlin Banach spaces with adaptive discretisations.	0
325	Three novel two-step proximal-like methods for solving equilibrium and fixed point problems in real Hilbert spaces. 2022 , 41,	Ο
324	Sparse Approximations with Interior Point Methods. 2022 , 64, 954-988	1
323	High-Performance Statistical Computing in the Computing Environments of the 2020s. 2022 , 37,	O
322	Harmonic analysis on directed graphs and applications: From Fourier analysis to wavelets. 2023 , 62, 390-440	О
321	On consistency and sparsity for high-dimensional functional time series with application to autoregressions. 2023 , 29,	O
320	Mutual structure ghost imaging under low sampling. 2023 , 161, 107338	0
319	Optimization Algorithms for MR Reconstruction. 2022 , 59-72	O

Model-Based Deep Learning: On the Intersection of Deep Learning and Optimization. **2022**, 10, 115384-11539&

317	Distributed Nonlinear Trajectory Optimization for Multi-Robot Motion Planning. 2022, 1-16	1
316	The Proxy Step-size Technique for Regularized Optimization on the Sphere Manifold. 2022, 1-17	O
315	Overview of Deep Learning-based CSI Feedback in Massive MIMO Systems. 2022 , 1-1	2
314	Deep Model-Based Architectures for Inverse Problems under Mismatched Priors. 2022, 1-1	O
313	The Efficient Norm Regularization Method Applying on the ISAR Image With Sparse Data. 2022 , 60, 1-11	O
312	Asymptotic Performance Prediction for ADMM-Based Compressed Sensing. 2022 , 70, 5194-5207	O
311	Improved Dynamic Contrast-Enhanced MRI Using Low Rank with Joint Sparsity. 2022, 1-1	O
310	AI for Pooled Testing of COVID-19 Samples. 2022 , 27-58	1
309	KXNet: A Model-Driven Deep Neural Network for Blind Super-Resolution. 2022 , 235-253	O
308	A 3D Sparse SAR Imaging Method Based on Plug-and-Play. 2022 , 1-1	O
307	The superiorization method with restarted perturbations for split minimization problems with an application to radiotherapy treatment planning. 2023 , 440, 127627	O
306	An Efficient 3D Radar Imaging Algorithm Based on FISTA. 2022 ,	O
305	On FISTA with a relative error rule.	O
304	Learning label-specific features via neural network for multi-label classification.	0
303	The tail-Hadamard product parametrization algorithm for compressed sensing. 2022 , 108853	O
302	Fast convex set projection with deep prior for seismic interpolation. 2022 , 119256	0
301	Adaptive sparsity-regularized deep dictionary learning based on lifted proximal operator machine. 2022 , 110123	O

300	Tunable image projection spectrometry. 2022 , 13, 6457	O
299	Generalized damped Newton algorithms in nonsmooth optimization via second-order subdifferentials.	Ο
298	Integrative learning of structured high-dimensional data from multiple datasets.	O
297	Weight matrix sharing for multi-label learning. 2022 , 109156	O
296	Non-convex regularization and accelerated gradient algorithm for sparse portfolio selection. 1-23	O
295	An Asymptotic Analysis of Random Partition Based Minibatch Momentum Methods for Linear Regression Models. 1-34	O
294	Iterative deep neural networks based on proximal gradient descent for image restoration. 2022, 17, e027637	'3 o
293	Image dehazing with hybrid total variation 100 regularization. 2022, 31,	O
292	Accelerated Conjugate Gradient for Second-Order Blind Signal Separation. 2022, 4, 948-957	O
291	Fast inertial extragradient algorithms for solving non-Lipschitzian equilibrium problems without monotonicity condition in real Hilbert spaces. 2022 , 114950	O
290	An approximate Newton-type proximal method using symmetric rank-one updating formula for minimizing the nonsmooth composite functions. 1-14	О
289	Hybrid reconstruction framework for model-based multispectral bioluminescence tomography based on Alpha-divergence.	1
288	Unrolled Primal-Dual Networks for Lensless Cameras.	O
287	A double proximal gradient method with new linesearch for solving convex minimization problem with application to data classification. 2022 , 5, 412-422	O
286	MUPen2DTool: A new Matlab Tool for 2D Nuclear Magnetic Resonance relaxation data inversion. 2022 , 20, 101240	0
285	Streaming feature selection via graph diffusion. 2022 , 618, 150-168	O
284	Simultaneous non-convex low rank regularization for fast magnetic resonance spectroscopy reconstruction. 2022 , 132, 103795	О
283	Consistent Approximation of Interpolating Splines in Image Metamorphosis.	Ο

282	Implicit regularization with strongly convex bias: stability and acceleration.	O
281	Speech enhancement using group complementary joint sparse representations in modulation domain. 2022 , 201, 109081	O
280	AN EFFICIENT MATCHING MECHANISM FOR LARGE-SCALE CROWDSOURCED DELIVERY SYSTEMS: A GENERALIZED MODEL WITH PRICE ELASTICITY OF SUPPLY AND DEMAND. 2022 , 78, 190-209	O
279	Multi-objective Pigeon-inspired Optimized feature enhancement soft-sensing model of Wastewater Treatment Process. 2022 , 119193	O
278	Local Optimization. 2022 , 329-361	О
277	Numerical Solution for Sparse PDE-Constrained Optimization. 2022 , 1-53	O
276	Cone-beam X-ray luminescence computed tomography based on MLEM with adaptive FISTA initial image. 2023 , 229, 107265	О
275	Proximal boosting: Aggregating weak learners to minimize non-differentiable losses. 2023 , 520, 301-319	О
274	Parallel non-Cartesian spatial-temporal dictionary learning neural networks (stDLNN) for accelerating 4D-MRI. 2023 , 84, 102701	О
273	Image restoration via wavelet-based low-rank tensor regularization. 2023 , 273, 170415	О
272	Algorithms with randomization-based acceleration strategies for sound source localization by non-synchronous measurements. 2023 , 188, 109996	O
271	Riemannian optimization with a preconditioning scheme on the generalized Stiefel manifold. 2023 , 423, 114953	О
270	OCD diagnosis via smooth sparse network and fused sparse auto-encoder learning. 2023 , 216, 119389	О
269	Sparse norm regularized attribute selection for graph neural networks. 2023 , 137, 109265	О
268	Fusion-based high-quality polarization 3D reconstruction. 2023 , 162, 107397	О
267	Compact Smoothness and Relative Sparsity Algorithm for High-Resolution Wavelet and Reflectivity Inversion of Seismic Data. 2022 , 60, 1-11	O
266	Traffic Based Sequential Learning During Botnet Attacks to Identify Compromised IoT Devices. 2022 , 10, 126536-126549	O
265	Derivative-free MLSCD conjugate gradient method for sparse signal and image reconstruction in compressive sensing. 2022 , 36, 2011-2024	O

264	DREAM-Net: Deep Residual Error iterAtive Minimization Network for Sparse-View CT Reconstruction. 2022 , 1-12	1
263	Simultaneous Inversion for Reflectivity and Q Using Nonstationary Seismic Data With Deep-Learning-Based Decoupling. 2022 , 60, 1-15	0
262	Interpretable Poisson Optimization-inspired Deep Network for Single-photon Counting Image Denoising. 2022 , 1-1	0
261	The faster proximal algorithm, the better unfolded deep learning architecture? The study case of image denoising. 2022,	O
260	On approximate Bayesian methods for large-scale sparse linear inverse problems. 2022,	О
259	Deep Deconvolution Applied to Distributed Acoustic Sensing for Traffic Analysis. 2022,	O
258	Beyond GAP screening for Lasso by exploiting new dual cutting half-spaces. 2022,	О
257	Sparse-Aware Approach for Covariance Conversion in FDD Systems. 2022,	O
256	Fast AFM Imaging Based on Neural Network Compressed Sensing. 2022,	О
255	A Fast Multidimensional Data Fusion Algorithm For Hyperspectral Spatiotemporal Super-Resolution. 2022 ,	O
254	Study of the gOMP Algorithm for Recovery of Compressed Sensed Hyperspectral Images. 2022,	О
253	Hierarchical Compressed Subspace Clustering Of Infrared Single-Pixel Measurements. 2022,	O
252	Fast ML-Assisted Interference Estimation and Suppression for Digital Phased Array Radar. 2022,	О
251	Vulnerability of Distributed Inverter VAR Control in PV Distributed Energy System. 2022,	O
250	Vectorized MATLAB Implementation of the Incremental Minimization Principle for Rate-Independent Dissipative Solids Using FEM: A Constitutive Model of Shape Memory Alloys. 2022 , 10, 4412	1
249	An inexact projected gradient method with rounding and lifting by nonlinear programming for solving rank-one semidefinite relaxation of polynomial optimization.	O
248	Performance Evaluation of FISTA with Constant Inertial Parameter. 2022,	0
247	An Inertial Modified S-Algorithm for Convex Minimization Problems with Directed Graphs and Its Applications in Classification Problems. 2022 , 10, 4442	O

246	FIAA-Based Super-Resolution Forward-Looking Radar Imaging Method for Maneuvering Platforms. 2022 ,	0
245	Image restorations using a modified relaxed inertial technique for generalized split feasibility problems.	3
244	Compressed Sensing of Sparse Spectrum Using Distributed Sound-to-Light Conversion Device Blinkies. 2022 ,	О
243	CG-Net: A Compound Gaussian Prior Based Unrolled Imaging Network. 2022,	О
242	H-FISTA: a hierarchical algorithm for phase retrieval with application to pulsar dynamic spectra. 2022 , 519, 1261-1276	o
241	Total Variation Algorithms for PAT Image Reconstruction. 2022,	О
240	An Iterative Majorization-Minimization Approach to Deep Denoiser-Plugged Image Inpainting. 2022	o
239	Relaxed Variable Metric Primal-Dual Fixed-Point Algorithm with Applications. 2022, 10, 4372	O
238	Augmented light field tomography through parallel spectral encoding.	0
237	High Resolution SAR Tomography 3-D Imaging via Sparse Recovery Deep Learning Network. 2022 ,	О
236	A non-convex piecewise quadratic approximation of $\$$ ell $_{0}$ $\$$ regularization: theory and accelerated algorithm.	1
235	Large-Scale Inventory Optimization: A Recurrent Neural NetworksInspired Simulation Approach.	O
234	Parameter Choices for Sparse Regularization with the l1 Norm.	О
233	A proximal trust-region method for nonsmooth optimization with inexact function and gradient evaluations.	О
232	Multi-pose face reconstruction and Gabor-based dictionary learning for face recognition.	0
231	Fast Iterative Shrinkage-Thresholding Algorithm with Continuation for Brain Injury Monitoring Imaging Based on Electrical Impedance Tomography. 2022 , 22, 9934	1
230	Tseng® Algorithm with Extrapolation from the past Endowed with Variable Metrics and Error Terms. 1-37	0
229	Algorithms for Difference-of-Convex Programs Based on Difference-of-Moreau-Envelopes Smoothing.	О

228	Reconstruction of fluorophore absorption and fluorescence lifetime using early photon mesoscopic fluorescence molecular tomography: a phantom study. 2022 , 27,	О
227	A New Class of Composite Objective Multistep Estimating Sequence Techniques. 2022 , 108889	O
226	InDuDoNet+: A deep unfolding dual domain network for metal artifact reduction in CT images. 2022 , 102729	О
225	On a new simple algorithm to compute the resolvents.	O
224	Non-local low-rank constraint-based self-consistent PMRI reconstruction using eigenvector maps.	О
223	Least-squares interferometric migration of microseismic source location with a deblurring filter. 1-67	O
222	Analysis of a variable metric block coordinate method under proximal errors.	О
221	Simultaneous Coded Plane-Wave Imaging Using an Advanced Ultrasound Forward Model. 2022 , 12, 12809	O
220	Proximal methods for sparse optimal scoring and discriminant analysis.	0
219	A two-phase rank-based algorithm for low-rank matrix completion.	O
218	Signal Reconstruction from Blind Compressive Measurements Using Procrustes Method.	0
217	Utilizing the structure of a redundant dictionary comprised of wavelets and curvelets with compressed sensing. 2022 , 31,	O
216	ReCSAI: recursive compressed sensing artificial intelligence for confocal lifetime localization microscopy. 2022 , 23,	0
215	A generalized forwardBackward splitting operator: degenerate analysis and applications. 2023 , 42,	O
214	Comparison of sparse Gabor-based methods for detection of microseismic events. 1-38	0
213	Genetic underpinnings of brain structural connectome for young adults. 1-26	O
212	Asymmetry Total Variation and Framelet Regularized Nonconvex Low-Rank Tensor Completion. 2022 , 108901	О
211	An Algorithm for Solving Common Points of Convex Minimization Problems with Applications. 2023 , 15, 7	O

210	Super-resolution reconstruction algorithm for optical-resolution photoacoustic microscopy images based on sparsity and deconvolution. 2023 , 31, 598	0
209	Deep supervised dictionary learning by algorithmic unrolling - application to fast 2D dynamic MR image reconstruction.	O
208	Principled analyses and design of first-order methods with inexact proximal operators.	Ο
207	Technical note: Revised projections onto convex sets reconstruction of multi-shot diffusion-weighted imaging.	O
206	Conic formulation of QPCCs applied to truly sparse QPs.	О
205	Consensus Sparsity: Multi-Context Sparse Image Representation via L Enduced Matrix Variate. 2023 , 32, 603-616	Ο
204	Accelerated Stochastic Variance Reduction for a Class of Convex Optimization Problems.	Ο
203	An abstract convergence framework with application to inertial inexact forward $oldsymbol{B}$ ackward methods.	O
202	A Dai-Liao-type projection method for monotone nonlinear equations and signal processing. 2022 , 55, 978-1013	Ο
201	DBO-Net: Differentiable Bi-level Optimization Network for Multi-view Clustering. 2023,	Ο
200	MD3: Model-Driven Deep Remotely Sensed Image Denoising. 2023 , 15, 445	Ο
199	DOA Estimation in Impulsive Noise Based on FISTA Algorithm. 2023 , 15, 565	Ο
198	Iterative Image Reconstruction Algorithm with Parameter Estimation by Neural Network for Computed Tomography. 2023 , 16, 60	Ο
197	Sparse Inversion for the Iterative Marchenko Scheme of Irregularly Sampled Data. 2023 , 15, 322	Ο
196	Tomographic image reconstruction techniques for accurate spent fuel assembly verification. 2023 , 18, C01032	Ο
195	A Greedy Newton-Type Method for Multiple Sparse Constraint Problem.	Ο
194	Passty framework of Chambolle-Pock for Fast and High accuracy CT reconstruction.	Ο
193	Convergence Rates of Gradient Methods for Convex Optimization in the Space of Measures. 3, 1-19	Ο

192	Dynamical inertial extragradient techniques for solving equilibrium and fixed-point problems in real Hilbert spaces. 2023 , 2023,	О
191	Reducing the Complexity of Two Classes of Optimization Problems by Inexact Accelerated Proximal Gradient Method. 2023 , 33, 1-35	O
190	Plug-and-Play Methods for Integrating Physical and Learned Models in Computational Imaging: Theory, algorithms, and applications. 2023 , 40, 85-97	2
189	Inversion-based multistage seismic data processing with physics-driven priors. 2023, 42, 52-60	O
188	A Newton-type proximal gradient method for nonlinear multi-objective optimization problems. 1-21	0
187	An inexact Riemannian proximal gradient method.	0
186	Local adaptive prior-based image restoration method for space diffraction imaging systems. 2023, 1-1	0
185	GliaMorph: A modular image analysis toolkit to quantify MIler glial cell morphology.	1
184	BiConMP: A Nonlinear Model Predictive Control Framework for Whole Body Motion Planning. 2023, 1-18	1
183	Bayesian Inversion for Nonlinear Imaging Models Using Deep Generative Priors. 2023 , 1-15	2
182	Cascaded compressed-sensing single-pixel camera for high-dimensional optical imaging.	О
181	A smoothing proximal gradient algorithm with extrapolation for the relaxation of $\$\{ell_{0}\}$ \$ regularization problem.	O
180	Sparse Reconstruction of SFCWSAR Based on an Approximate Observation Operator. 2023 , 12, 213	О
179	Standard simplex induced clustering with hierarchical deep dictionary learning. 2023, 112, 116918	O
178	A Graph-guided Hybrid Regularization Method For Bioluminescence Tomography. 2023 , 230, 107329	0
177	Multi-view multi-label learning with high-order label correlation. 2023 , 624, 165-184	O
176	Fast Sparse Magnetic Resonance Image Reconstruction. 2022,	0
175	Distributed ADMM for Time-Varying Communication Networks. 2022,	Ο

174	Structured Phase Retrieval-aided Channel Estimation for Millimeter-Wave/Sub-Terahertz MIMO Systems. 2022 ,	Ο
173	Learning Self-Expressive Representations via Nearest Subspace Model for Motion Segmentation. 2022 ,	O
172	Resource Allocation for Network Slicing in RAN Using Case-Based Reasoning. 2023, 13, 448	О
171	Theoretical linear convergence of deep unfolding network for block-sparse signal recovery. 2022,	O
170	Multiple Change Points Detection in High-Dimensional Multivariate Regression. 2022, 35, 2278-2301	О
169	A new accelerated gradient-based estimating sequence technique for solving large-scale optimization problems with composite structure. 2022 ,	O
168	An accelerated gradient method for LQR-based multiagent system and its application in formation control. 2022 ,	О
167	Probability Connectivity-Based Multimodality Regression Analysis for Associating Disease-Specific Multimodal Brain Imaging Phenotypes with Genetic Risk Factors. 2022 ,	Ο
166	Long-Range Non-Line-of-Sight Imaging Based on Projected Images from Multiple Light Fields. 2023 , 10, 25	0
165	Two-dimension Super-resolution Range Doppler Imaging in Automotive Radar. 2022,	Ο
164	Non-iterative deep neural networks for compressed coded aperture imaging.	Ο
163	First-Order Primal D ual Methods for Nonsmooth Non-convex Optimization. 2023 , 1-42	Ο
162	Hybrid Far- and Near-Field Channel Estimation for THz Ultra-Massive MIMO via Fixed Point Networks. 2022 ,	2
161	An Efficient Sparse Imaging Method of TomoSAR Via Unfolded Deep Network. 2021,	Ο
160	On the Maximum Achievable Sum-Rate of the RIS-Aided MIMO Broadcast Channel. 2022, 70, 6316-6331	О
159	A New Accelerated Algorithm Based on Fixed Point Method for Convex Bilevel Optimization Problems with Applications. 2023 , 11, 702	Ο
158	Bregman divergence based em algorithm and its application to classical and quantum rate distortion theory. 2023 , 1-1	0
157	Image region driven prior selection for image deblurring.	O

156	Iterative projection meets sparsity regularization: towards practical single-shot quantitative phase imaging with in-line holography. 2023 , 4, 1	О
155	Theoretical Perspectives on Deep Learning Methods in Inverse Problems. 2023, 1-1	О
154	Robust Variable Selection with Exponential Squared Loss for the Spatial Durbin Model. 2023 , 25, 249	О
153	Fast Quantum State Reconstruction via Accelerated Non-Convex Programming. 2023, 10, 116	O
152	SPITFIR(e): a supermaneuverable algorithm for fast denoising and deconvolution of 3D fluorescence microscopy images and videos. 2023 , 13,	0
151	A Bayesian approach to CT reconstruction with uncertain geometry. 2023 , 31,	О
150	Efficient Flow-Guided Multi-frame De-fencing. 2023,	О
149	Accelerated Simultaneous T2 and T2* Mapping of Multiple Sclerosis Lesions Using Compressed Sensing Reconstruction of Radial RARE-EPI MRI. 2023 , 9, 299-314	О
148	Impact of antenna directivity on compressed sensing-based DOA estimation employing UCA antenna. 2023 ,	О
147	Comparative study of non-convex penalties and related algorithms in compressed sensing. 2023, 103937	О
146	Lensless Image Reconstruction with an Untrained Neural Network. 2023 , 430-441	О
145	Iteration Complexity of an Inner Accelerated Inexact Proximal Augmented Lagrangian Method Based on the Classical Lagrangian Function. 2023 , 33, 181-210	O
144	3D reconstruction of unstained weakly scattering cells from a single defocused hologram.	Ο
143	Source Localization Using Recursively Applied and Projected MUSIC with Flexible Extent Estimation.	О
142	Identification of Crack Shapes by Digital Image Correlation Using JE-MAP Method. 2023, 1-50	О
141	Image Quality Assessment for Magnetic Resonance Imaging. 2023, 1-1	О
140	An Explanation of Deep MIMO Detection from a Perspective of Homotopy Optimization. 2023, 1-9	O
139	Two-step inertial forward-reflected-backward splitting based algorithm for nonconvex mixed variational inequalities. 2023 , 426, 115093	О

138	Elimination of accelerometer mass loading effects in sparse identification of impact forces. 2023 , 191, 110178	0
137	Multi-channel nuclear norm minus Frobenius norm minimization for color image denoising. 2023 , 207, 108959	Ο
136	Aero-engine Fan Acoustic Mode Detections via Orthogonal Matching Pursuit. 2022,	О
135	Accelerated algorithm for BTT identification parameter with GMC sparse regularization. 2022,	О
134	Fast Iteration Shrinkage Thresholding Unfolding Network for Acoustic Source Localization. 2022,	0
133	Device-Free Indoor Localization Based on Multidimensional CSI Features Classification. 2023 , 11, 32548-3256	3 0
132	Iterative Difference Hard-Thresholding Algorithm for Sparse Signal Recovery. 2023, 71, 1093-1102	0
131	From Patch to Pixel: A Transformer-Based Hierarchical Framework for Compressive Image Sensing. 2023 , 9, 133-146	O
130	Numerical Solution for Sparse PDE Constrained Optimization. 2023, 623-675	О
129	New inertial forwardBackward algorithm for convex minimization with applications. 2023, 56,	Ο
128	Memory-Efficient Model-Based Deep Learning With Convergence and Robustness Guarantees. 2023 , 9, 260-275	0
127	Adaptive Subtraction Based on the Matching Filter With Three Frequency Bands of Modeled Multiples for Removing Seismic Multiples. 2023 , 20, 1-5	О
126	Supervised Learning of Analysis-Sparsity Priors With Automatic Differentiation. 2023, 30, 339-343	0
125	Reliable Optimization of Arbitrary Functions over Quantum Measurements. 2023 , 25, 358	O
124	QBGABVM for Face Recognition of Livable Cities. 2023, 37,	0
123	Image reconstruction for the artificial compound eye based on deep learning. 2023,	О
122	Differentiable Imaging: A New Tool for Computational Optical Imaging.	О
121	Prediction regions based on dissimilarity functions. 2023,	O

120	An improved relaxed inertial projection algorithm for solving the minimum-norm solution of variational inequality and fixed point problems.	0
119	Beam angle optimization for proton therapy via group-sparsity based angle generation method.	O
118	Novel Algorithms with Inertial Techniques for Solving Constrained Convex Minimization Problems and Applications to Image Inpainting. 2023 , 11, 1813	0
117	Proximal gradient algorithm for nonconvex low tubal rank tensor recovery. 2023, 63,	О
116	Unsupervised domain adaptation for regression using dictionary learning. 2023, 267, 110439	О
115	Undersampled MRI reconstruction based on spectral graph wavelet transform. 2023 , 157, 106780	O
114	Compressed sensing based on L1 and TGV regularization for low-light-level images denoising. 2023 , 136, 103975	О
113	Framework for Segmented threshold D gradient approximation based network for sparse signal recovery. 2023 , 162, 425-442	O
112	An improved fast adaptive complex approximation message passing algorithm. 2023, 137, 104016	О
111	A compressed sensing approach to interpolation of fractional Brownian trajectories for a single particle tracking experiment. 2023 , 446, 127900	O
110	Non-iterative constrained compressive beamforming. 2023, 214, 112730	O
109	Efficient complex-valued image reconstruction for compressed sensing MRI using single real-valued convolutional neural network. 2023 , 101, 13-24	O
108	An interpretable MRI reconstruction network with two-grid-cycle correction and geometric prior distillation. 2023 , 84, 104821	О
107	Computational mean-field games on manifolds. 2023 , 484, 112070	O
106	Diluted binary neural network. 2023 , 140, 109556	О
105	Accelerate the warm-up stage in the Lasso computation via a homotopic approach. 2023, 184, 107747	0
104	Hypergraph 1-Spectral Clustering with General Submodular Weights. 2022,	O
103	A Forward B ackward Algorithm With Different Inertial Terms for Structured Non-Convex Minimization Problems.	O

102	Improving fault tolerance in diagnosing power system failures with optimal hierarchical extreme learning machine. 2023 , 109300	0
101	Optimization in the space domain for density compensation with the nonuniform FFT. 2023, 100, 102-111	O
100	Compressive sensing reconstruction for rolling bearing vibration signal based on improved iterative soft thresholding algorithm. 2023 , 210, 112528	0
99	Rethinking data-driven point spread function modeling with a differentiable optical model. 2023 , 39, 035008	O
98	Label Denoising and Counterfactual Explanation with A Plug and Play Framework. 2022,	0
97	A hybrid regularization model for linear inverse problems. 2022 , 36, 2739-2748	O
96	A Projected NesterovRaczmarz Approach to Stellar Population-Kinematic Distribution Reconstruction in Extragalactic Archaeology. 2023 , 16, 192-222	0
95	Incorporating Deep Background Prior Into Model-Based Method for Unsupervised Moving Vehicle Detection in Satellite Videos. 2023 , 61, 1-14	O
94	Linearly-Convergent FISTA Variant for Composite Optimization with Duality. 2023, 94,	0
93	Smooth over-parameterized solvers for non-smooth structured optimization.	Ο
92	Fast additive half-quadratic iterative minimization for l p ${ m II}$ q image smoothing.	Ο
91	Sparse Signal Recovery via Tail-FISTA. 2022 ,	Ο
90	An Optimized Dynamic Mode Decomposition Model Robust to Multiplicative Noise. 2023 , 22, 235-268	Ο
89	A projection-onto-convex-sets network for 3D seismic data interpolation. 2023 , 88, V249-V265	Ο
88	A total variation prior unrolling approach for computed tomography reconstruction.	Ο
87	Inertial projected gradient method for large-scale topology optimization.	O
86	Structural damage detection of the bridge under moving loads with the quasi-static displacement influence line from one sensor. 2023 , 211, 112599	0
85	Regularization Solver Guided FISTA for Electrical Impedance Tomography. 2023 , 23, 2233	O

84	Sparse Parabolic Radon Transform with Nonconvex Mixed Regularization for Multiple Attenuation. 2023 , 13, 2550	O
83	Union nonparallel support vector machines framework with consistency. 2023 , 136, 110129	O
82	Open issues and recent advances in DC programming and DCA.	О
81	Hypergraphs with edge-dependent vertex weights: p-Laplacians and spectral clustering. 6,	O
80	Sampling and Reconstruction Jointly Optimized Model Unfolding Network for Single-Pixel Imaging. 2023 , 10, 232	О
79	Quantitative photoacoustic tomography with light fluence compensation based on radiance Monte Carlo model. 2023 , 68, 065009	O
78	HFIST-Net: High-throughput fast iterative shrinkage thresholding network for accelerating MR image reconstruction. 2023 , 232, 107440	O
77	A Unifying Approach to Inverse Problems of Ultrasound Beamforming and Deconvolution. 2023 , 9, 197-209	O
76	Convex Non-convex Variational Models. 2023 , 3-59	O
75	First-Order Primal D ual Methods for Nonsmooth Non-convex Optimization. 2023 , 707-748	O
74	Domain Decomposition for Non-smooth (in Particular TV) Minimization. 2023 , 379-425	O
73	An Efficient Deep Learning-Based High-Definition Image Compressed Sensing Framework for Large-Scene Construction Site Monitoring. 2023 , 23, 2563	O
72	Physics-Embedded Machine Learning for Electromagnetic Data Imaging: Examining three types of data-driven imaging methods. 2023 , 40, 18-31	О
71	Joint Localization and Communication Study for Intelligent Reflecting Surface Aided Wireless Communication System. 2023 , 1-1	O
70	Fast, accurate and robust sparse-view CT reconstruction via residual-guided Golub-Kahan iterative reconstruction technique (RGIRT).	O
69	Delaunay-Triangulation-Based Learning With Hessian Total-Variation Regularization. 2023, 4, 167-178	O
68	Model-Based Deep Learning. 2023 , 1-35	О
67	Research advances in simple and compact optical imaging techniques. 2023 , 72, 084205	О

66	An algorithm for split equilibrium and fixed-point problems using inertial extragradient techniques. 2023 , 42,	O
65	A fast primal-dual-active-jump method for minimization in BV((0,T) Rd). 1-45	O
64	Integrated Detection and Imaging Algorithm for Radar Sparse Targets via CFAR-ADMM. 2023, 61, 1-15	O
63	A One-Parameter Memoryless DFP Algorithm for Solving System of Monotone Nonlinear Equations with Application in Image Processing. 2023 , 11, 1221	O
62	Smoothing Accelerated Proximal Gradient Method with Fast Convergence Rate for Nonsmooth Convex Optimization Beyond Differentiability.	0
61	KomaMRI.jl: An open-source framework for general MRI simulations with GPU acceleration.	O
60	Research on Atmospheric Turbulence Distortion Measurement Based on Compressed Sensing Technology. 2023 , 2441, 012038	O
59	Algorithms for Sparse Multichannel Blind Deconvolution. 2023 , 61, 1-7	О
58	A dual active set method for \$ ell \$1-regularized problem. 2023 , 0-0	0
57	Computational spectral imaging: a contemporary overview. 2023 , 40, C115	O
56	Noise-robust, physical microscopic deconvolution algorithm enabled by multi-resolution analysis regularization.	0
55	A Deep Compound Gaussian Regularized Unfolded Imaging Network. 2022 ,	O
54	Robustness Analysis for Deep Learning-Based Image Reconstruction Models. 2022,	O
53	Deep Learning-Based Reconstruction for Cardiac MRI: A Review. 2023 , 10, 334	1
52	Accelerated Sparse Recovery via Gradient Descent with Nonlinear Conjugate Gradient Momentum. 2023 , 95,	O
51	A generalized Halpern-type forward-backward splitting algorithm for solving variational inclusion problems. 2023 , 8, 11037-11056	O
50	Considering Nonoverlapped Bands Construction: A General Dictionary Learning Framework for Hyperspectral and Multispectral Image Fusion. 2023 , 61, 1-15	0
49	Sparse signal reconstruction via HagerIlhang-type schemes for constrained system of nonlinear equations. 1-32	O

48	Tail-Iteratively Reweighted Least Squares Technique for Compressed Sensing. 2022,	O
47	An extended linearized alternating direction method of multipliers for Fused-LASSO penalized linear regression. 2023 , 0-0	O
46	Single-shot 3D photoacoustic tomography using a single-element detector for ultrafast imaging of hemodynamics.	0
45	A treatment plan optimization method with direct minimization of number of energy jumps for proton arc therapy. 2023 , 68, 085001	O
44	Proximal Quasi-Newton Method for Composite Optimization over the Stiefel Manifold. 2023, 95,	0
43	Phase transition in compressed sensing with horseshoe prior. 2023 , 107,	O
42	Doubly iteratively reweighted algorithm for constrained compressed sensing models.	0
41	Single photon single pixel imaging into thick scattering medium. 2023 , 31, 13943	O
40	Superimposed wavefront imaging of diffraction-enhanced x-rays: A method to achieve higher resolution in crystal analyzer-based x-ray phase-contrast imaging. 2023 , 122, 123702	0
39	Supervised Machine Learning in a Nutshell. 2023 , 105-120	O
38	Optimal Convergence Rates for Damped Inertial Gradient Dynamics with Flat Geometries. 2023, 87,	0
37	Modified Iterative Shrinkage Thresholding Algorithm for îmage De-blurring in Medical Imaging. 2023 , 463-479	O
36	A Variable Metric Extrapolation Proximal Iterative Hard Thresholding Method.	0
35	Subspace Clustering based on Latent Low Rank Representation with Weighted Nuclear Norm Minimization. 2022 ,	O
34	Deep Learning Initialized Compressed Sensing (Deli-CS) in Volumetric Spatio-Temporal Subspace Reconstruction.	O
33	Fluorescence image deconvolution microscopy via generative adversarial learning (FluoGAN). 2023 , 39, 054006	O
32	Multi-label classification with weak labels by learning label correlation and label regularization.	0
31	Inexact generalized ADMM with relative error criteria for linearly constrained convex optimization problems.	O

30	Preliminary study of integrated C-arm CT/SPECT imaging system for online adaptive 3D brachytherapy using Monte Carlo simulation. 2023 , 18, C04005	Ο
29	On an iteratively reweighted linesearch based algorithm for nonconvex composite optimization. 2023 , 39, 064001	О
28	Enhancement of the Seismic Data Resolution Through Q-Compensated Denoising Based on Dictionary Learning. 2023 , 61, 1-11	О
27	Multichannel Sparse Deconvolution of Teleseismic Receiver Functions With f ß Preconditioning. 2023 , 128,	O
26	Blind Image Deblurring via Weighted Dark Channel Prior.	О
25	A Novel Spatial Fidelity With Learnable Nonlinear Mapping for Panchromatic Sharpening. 2023 , 61, 1-15	O
24	FISTA is an automatic geometrically optimized algorithm for strongly convex functions.	O
23	Single-shot spiral diffusion-weighted imaging at 7T using expanded encoding with compressed sensing.	O
22	A proximal bundle method for a class of nonconvex nonsmooth composite optimization problems.	O
21	Limited memory restarted 月-ব minimization methods using generalized Krylov subspaces. 2023 , 49,	O
20	Support Vector Machine Based Models with Sparse Auto-encoder Based Features for Classification Problem. 2023 , 248-259	O
19	Impact force identification on composite panels using fully overlapping group sparsity based on Lp-norm regularization. 147592172311657	O
18	Magnetic resonance image restoration via least absolute deviations measure with isotropic total variation constraint. 2023 , 20, 10590-10609	O
17	AEGD: adaptive gradient descent with energy. 2023 , 0-0	O
16	A Sparsity Reconstruction Algorithm of Electromagnetic Tomography Technique for High Conductivity Medium Imaging. 2023 , 24,	O
15	Small Target Detection Method Based on Low-Rank Sparse Matrix Factorization for Side-Scan Sonar Images. 2023 , 15, 2054	O
14	Nonlocal Continuum Limits of p-Laplacian Problems on Graphs. 2023,	0
13	Tail-FISTA and applications. 2023 , 104025	O

CITATION REPORT

12	Multi-label Learning with Data Self-augmentation. 2023 , 336-347	О
11	Hybrid photoacoustic and fast super-resolution ultrasound imaging. 2023, 14,	O
10	Moment-based space-variant Shack⊞artmann wavefront reconstruction. 2023 , 129515	О
9	A Review of multilayer extreme learning machine neural networks.	О
8	Adaptive proximal SGD based on new estimating sequences for sparser ERM. 2023, 118965	0
7	Deterministic and Stochastic DCA for DC Programming. 2023 , 675-702	o
6	Soft-label recover based label-specific features learning.	O
5	A linearly convergent self-adaptive gradient projection algorithm for sparse signal reconstruction in compressive sensing. 2023 , 8, 14726-14746	О
4	An autoencoder-based model for learning regularizations in unmixing problems. 2023, 139, 104058	O
3	A Proximal Augmented Lagrangian Method for Linearly Constrained Nonconvex Composite Optimization Problems.	o
2	Proximal Splitting Algorithms for Convex Optimization: A Tour of Recent Advances, with New Twists. 2023 , 65, 375-435	0
1	Sparse identification of Lagrangian for nonlinear dynamical systems via proximal gradient method. 2023 , 13,	О