Citation Report
List of articles citing

Robust uncertainty principles: exact signal reconstruction from highly incomplete frequency informatio

DOI: 10.1109/tit.2005.862083
IEEE Transactions on Information Theory, 2006, 52, 489-509.

Source: https://exaly.com/paper-pdf/40574609/citation-report.pdf
Version: 2024-04-09

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
2260	Exploitation of Sparsity in MRI. **1996**, 289-306		1
2259	. *IEEE Transactions on Information Theory*, **2005**, 51, 4203-4215	2.8	3915
2258	Signal reconstruction from noisy randomized projections with applications to wireless sensing. **2005**,		4
2257	An Extrapolation Method for Image Reconstruction from a Straight-line Trajectory. **2006**,		7
2256	.		9
2255	Random Projections of Signal Manifolds.		9
2254	Fundamental Tradeoffs between Sparsity, Sensing Diversity and Sensing Capacity. **2006**,		4
2253	. **2006**,		81
2252	Solution of l1Minimization Problems by LARS/Homotopy Methods.		5
2251	. **2006**,		38
2250	. **2006**, 54, 4634-4643		496
2249	Denoising by Sparse Approximation: Error Bounds Based on Rate-Distortion Theory. **2006**, 2006, 1		27
2248	Image Reconstruction from Sparse Data in Echo-Planar Imaging. **2006**,		
2247	. *IEEE Transactions on Information Theory*, **2006**, 52, 1289-1306	2.8	15140
2246	Signal Reconstruction From Noisy Random Projections. *IEEE Transactions on Information Theory*, **2006**, 52, 4036-4048	2.8	335
2245	. *IEEE Transactions on Information Theory*, **2006**, 52, 5406-5425	2.8	3865
2244	Stable signal recovery from incomplete and inaccurate measurements. **2006**, 59, 1207-1223		4135

2243	Accurate image reconstruction in circular cone-beam computed tomography by total variation minimization: a preliminary investigation. **2006**,	11
2242	Improving Non-Cartesian MRI Reconstruction through Discontinuity Subtraction. **2006**, 2006, 87092	7
2241	The Kadison-Singer problem in mathematics and engineering. **2006**, 103, 2032-9	61
2240	. **2006**,	18
2239	Compressive Sampling for Signal Classification. **2006**,	49
2238	.	2
2237	. **2006**,	32
2236	. **2006**,	6
2235	Compressive Sampling Vs. Conventional Imaging. **2006**,	11
2234	.	76
2233	Effect of the data constraint on few-view, fan-beam CT image reconstruction by TV minimization. **2006**,	11
2232	Spatiotemporal Imaging with Partially Separable Functions. **2007**,	118
2231	Colored Random Projections for Compressed Sensing. **2007**,	3
2230	Rate-Distortion Bounds for Sparse Approximation. **2007**,	8
2229	A Compressed Sensing Approach to Frame-Based Multiple Description Coding. **2007**,	5
2228	Uncertainty principles, extractors, and explicit embeddings of l2 into l1. **2007**,	16
2227	Improved k-t BLAST and k-t SENSE using FOCUSS. **2007**, 52, 3201-26	195
2226	Compressed Sensing Image Reconstruction Via Recursive Spatially Adaptive Filtering. **2007**,	36

2225	Bayesian compressive sensing and projection optimization. **2007**,	18
2224	Compressed network monitoring for ip and all-optical networks. **2007**,	31
2223	Bayesian multiresolution method for local tomography in dental x-ray imaging. **2007**, 52, 6663-78	20
2222	. **2007**,	2
2221	Diffuse Field Estimation with Asynchronous Sensor Networks. **2007**,	
2220	A GRADUALLY UNMASKING METHOD FOR LIMITED DATA TOMOGRAPHY. **2007**,	3
2219	SPARSE SIGNAL AND IMAGE RECOVERY FROM COMPRESSIVE SAMPLES. **2007**,	28
2218	Compressed Network Monitoring. **2007**,	16
2217	Detecting Signal Structure from Randomly-Sampled Data. **2007**,	9
2216	Compressed Detection for Pilot Assisted Ultra-Wideband Impulse Radio. **2007**,	21
2215	An Efficient Method for Large-Scale l1-Regularized Convex Loss Minimization. **2007**,	0
2214	Domain decomposition methods for linear inverse problems with sparsity constraints. **2007**, 23, 2505-2526	37
2213	Sparseness prior based iterative image reconstruction for retrospectively gated cardiac micro-CT. **2007**, 34, 4476-83	122
2212	Direct filtered-backprojection-type reconstruction from a straight-line trajectory. **2007**, 46, 057003	31
2211	Nonconvex Compressed Sensing and Error Correction. **2007**,	30
2210	Volumetric imaging from a multisegment straight-line trajectory and a practical reconstruction algorithm. **2007**, 46, 077004	18
2209	A componentwise iterated relative entropy regularization method with updated prior and regularization parameter. **2007**, 23, 2121-2139	16
2208	Exploiting Prior Knowledge in the Recovery of Non-Sparse Signals from Noisy Random Projections. **2007**,	7

2207	Terahertz imaging with compressed sensing and phase retrieval. **2007**,	1
2206	Rejoinder: The Dantzig selector: Statistical estimation when p is much larger than n. **2007**, 35,	53
2205	Compressed Sampling in NMR Spectroscopy. 1-8	1
2204	Compressed Sensing for Ultrawideband Impulse Radio. **2007**,	5
2203	Locally Competitive Algorithms for Sparse Approximation. **2007**,	19
2202	Fast Minimization by Iterative Thresholding for Multidimensional NMR Spectroscopy. **2007**, 2007,	43
2201	Competitive optimization of compressed sensing. **2007**, 40, F299-F305	1
2200	Sparse Gradient Image Reconstruction Done Faster. **2007**,	11
2199	Compressed imaging system with linear sensors. **2007**, 32, 3077-9	24
2198	Single-shot compressive spectral imaging with a dual-disperser architecture. **2007**, 15, 14013-27	361
2197	Random Projections Imaging With Extended Space-Bandwidth Product. **2007**, 3, 315-320	46
2196	Compressive Radar Imaging. **2007**,	335
2195	. **2007**, 1, 606-617	1373
2194	Gradient Projection for Sparse Reconstruction: Application to Compressed Sensing and Other Inverse Problems. **2007**, 1, 586-597	2038
2193	Compressed Sensing for Wideband Cognitive Radios. **2007**,	340
2192	Sampling Moments and Reconstructing Signals of Finite Rate of Innovation: Shannon Meets Strang□ix. **2007**, 55, 1741-1757	238
2191	Fast Directional Multilevel Algorithms for Oscillatory Kernels. **2007**, 29, 1710-1737	75
2190	The Continuous Joint Sparsity Prior for Sparse Representations: Theory and Applications. **2007**,	1

2189	Compressed Sensing Shape Estimation of Star-Shaped Objects in Fourier Imaging. **2007**, 14, 750-753	13
2188	Sparsity and incoherence in compressive sampling. **2007**, 23, 969-985	1267
2187	Block Compressed Sensing of Natural Images. **2007**,	89
2186	Fast Encoding of Synthetic Aperture Radar Raw Data using Compressed Sensing. **2007**,	57
2185	Sparseness Measures of Signals for Compressive Sampling. **2007**,	3
2184	Exact Reconstruction of Sparse Signals via Nonconvex Minimization. **2007**, 14, 707-710	774
2183	Image reconstruction from few views by non-convex optimization. **2007**,	18
2182	. **2007**,	135
2181	Compressed detection for ultra-wideband impulse radio. **2007**,	5
2180	In Situ Compressive Sensing. **2007**,	
2179	. **2007**,	1
2178	Sparse MRI Reconstruction via Multiscale L0-Continuation. **2007**,	9
2177	Improved model-based magnetic resonance spectroscopic imaging. **2007**, 26, 1305-18	23
2176	Efficient Compressive Sensing with Deterministic Guarantees Using Expander Graphs. **2007**,	84
2175	Further Results on Performance Analysis for Compressive Sensing Using Expander Graphs. **2007**,	8
2174	Inverse Scattering by Compressive Sensing and Signal Subspace Methods. **2007**,	8
2173	Denoising of Frame Coefficients Using ell^1 Data-Fidelity Term and Edge-Preserving Regularization. **2007**, 6, 547-576	36
2172	The Dantzig selector: Statistical estimation when p is much larger than n. **2007**, 35,	1470

2171	Feasibility of single-view coded source neutron transmission tomography. **2007**, 18, 3391-3398	5
2170	In Situ Compressive Sensing. **2007**,	1
2169	Wyner-Ziv Image Coding from Random Projections. **2007**,	
2168	Cross-Modal Localization via Sparsity. **2007**, 55, 1390-1404	37
2167	Optimized Projections for Compressed Sensing. **2007**, 55, 5695-5702	478
2166	. **2007**, 24, 118-121	2636
2165	Ultra Low Phase Noise DSP Oscillator [DSP Tips & Tricks]. **2007**, 24, 121-124	3
2164	Compressive Sensing for GPR Imaging. **2007**,	20
2163	Projection reconstruction MR imaging using FOCUSS. **2007**, 57, 764-75	82
2162	Undersampled radial MRI with multiple coils. Iterative image reconstruction using a total variation constraint. **2007**, 57, 1086-98	529
2161	Sparse MRI: The application of compressed sensing for rapid MR imaging. **2007**, 58, 1182-95	4118
2160	Random sampling of sparse trigonometric polynomials. **2007**, 22, 16-42	119
2159	Functional dissipation microarrays for classification. **2007**, 40, 3393-3400	
2158	Analog random coding. **2007**, 366, 550-555	
2157	Rank related properties for Basis Pursuit and total variation regularization. **2007**, 87, 2695-2707	5
2156	MR image reconstruction from undersampled data by using the iterative refinement procedure. **2007**, 7, 1011207-1011208	5
2155	Ultra-Wideband Compressed Sensing: Channel Estimation. **2007**, 1, 383-395	159
2154	Convergence of a Sparse Representations Algorithm Applicable to Real or Complex Data. **2007**, 1, 598-605	25

2153	. *IEEE Transactions on Information Theory*, **2007**, 53, 3629-3653	2.8	106
2152	Signal Recovery From Random Measurements Via Orthogonal Matching Pursuit. *IEEE Transactions on Information Theory*, **2007**, 53, 4655-4666	2.8	5194
2151	Single frame image super-resolution: should we process locally or globally?. **2007**, 18, 123-152		13
2150	Compressed sensing for resolution enhancement of hyperpolarized 13C flyback 3D-MRSI. **2008**, 192, 258-64		155
2149	On the conditioning of random subdictionaries. **2008**, 25, 1-24		126
2148	A framelet-based image inpainting algorithm. **2008**, 24, 131-149		232
2147	Image Compression with Anisotropic Diffusion. **2008**, 31, 255-269		101
2146	Analysis of Basis Pursuit via Capacity Sets. **2008**, 14, 688-711		1
2145	Three Novel Edge Detection Methods for Incomplete and Noisy Spectral Data. **2008**, 14, 744-763		9
2144	Accelerated Projected Gradient Method for Linear Inverse Problems with Sparsity Constraints. **2008**, 14, 764-792		160
2143	Optimal Non-Linear Models for Sparsity and Sampling. **2008**, 14, 793-812		23
2142	On the Linear Independence of Spikes and Sines. **2008**, 14, 838-858		29
2141	Enhancing Sparsity by Reweighted Minimization. **2008**, 14, 877-905		2801
2140	A Simple Proof of the Restricted Isometry Property for Random Matrices. **2008**, 28, 253-263		1292
2139	Random Sampling of Sparse Trigonometric Polynomials, II. Orthogonal Matching Pursuit versus Basis Pursuit. **2008**, 8, 737-763		92
2138	Accelerated CMR using zonal, parallel and prior knowledge driven imaging methods. **2008**, 10, 29		34
2137	1143 Compressed sensing cardiac perfusion imaging: feasibility and comparison to k-t BLAST. **2008**, 10,		2
2136	Compressed sensing in dynamic MRI. **2008**, 59, 365-73		404

2135	Improved waveform fidelity using local HYPR reconstruction (HYPR LR). **2008**, 59, 456-62		63
2134	Image reconstruction by regularized nonlinear inversion--joint estimation of coil sensitivities and image content. **2008**, 60, 674-82		143
2133	On sparse reconstruction from Fourier and Gaussian measurements. **2008**, 61, 1025-1045		452
2132	Estimating random variables from random sparse observations. **2008**, 19, 385-403		51
2131	Compressed sensing by inverse scale space and curvelet thresholding. **2008**, 206, 980-988		21
2130	Uncertainty in time–frequency representations on finite Abelian groups and applications. **2008**, 25, 209-225		33
2129	Deterministic K-set structure. **2008**, 109, 27-31		1
2128	Image reconstruction in circular cone-beam computed tomography by constrained, total-variation minimization. **2008**, 53, 4777-807		1178
2127	Highly Robust Error Correction byConvex Programming. *IEEE Transactions on Information Theory*, **2008**, 54, 2829-2840	2.8	85
2126	Fast Solution of $ell _{1}$ -Norm Minimization Problems When the Solution May Be Sparse. *IEEE Transactions on Information Theory*, **2008**, 54, 4789-4812	2.8	434
2125	. **2008**, 2, 718-726		149
2124	Recovering Sparse Signals Using Sparse Measurement Matrices in Compressed DNA Microarrays. **2008**, 2, 275-285		106
2123	Stability Results for Random Sampling of Sparse Trigonometric Polynomials. *IEEE Transactions on Information Theory*, **2008**, 54, 5661-5670	2.8	67
2122	Enhancing the correntropy MACE filter with random projections. **2008**, 72, 102-111		11
2121	Spike-based cross-entropy method for reconstruction. **2008**, 71, 3635-3639		11
2120	Compressed sensing radar. **2008**,		20
2119	. **2008**, 56, 2370-2382		288
2118	. **2008**, 56, 5376-5388		50

2117	. **2008**,	64
2116	On Image Reconstruction from a Small Number of Projections. **2008**, 24, 45011-45028	117
2115	A fast reconstruction algorithm for deterministic compressive sensing using second order reed-muller codes. **2008**,	70
2114	UWB Echo Signal Detection With Ultra-Low Rate Sampling Based on Compressed Sensing. **2008**, 55, 379-383	58
2113	Imaging via Compressive Sampling. **2008**, 25, 14-20	599
2112	Compressive Sampling and Lossy Compression. **2008**, 25, 48-56	151
2111	Group testing and sparse signal recovery. **2008**,	61
2110	Finding needles in noisy haystacks. **2008**,	23
2109	1-Bit compressive sensing. **2008**,	277
2108	Prior image constrained compressed sensing (PICCS): a method to accurately reconstruct dynamic CT images from highly undersampled projection data sets. **2008**, 35, 660-3	725
2107	Simply denoise: Wavefield reconstruction via jittered undersampling. **2008**, 73, V19-V28	180
2106	Compressed Wideband Sensing in Cooperative Cognitive Radio Networks. **2008**,	101
2105	Compressive mobile sensing for robotic mapping. **2008**,	
2104	Fixed-Point Continuation for ell_1-Minimization: Methodology and Convergence. **2008**, 19, 1107-1130	598
2103	Mixed-signal parallel compressed sensing and reception for cognitive radio. **2008**,	1
2102	Efficient sampling of sparse wideband analog signals. **2008**,	16
2101	Near-Optimal Sparse Recovery in the L1 Norm. **2008**,	35
2100	Computing performance guarantees for compressed sensing. **2008**,	1

2099 Iteratively reweighted algorithms for compressive sensing. **2008**, 482

2098 Terahertz imaging with compressed sensing and phase retrieval. **2008**, 33, 974-6 189

2097 Compressed mapping of communication signal strength. **2008**, 10

2096 An Introduction To Compressive Sampling. **2008**, 25, 21-30 5604

2095 . **2008**, 56, 2346-2356 1324

2094 Signal-processing approaches for image-resolution restoration for TOMBO imagery. **2008**, 47, B104-16 16

2093 Single disperser design for coded aperture snapshot spectral imaging. **2008**, 47, B44-51 446

2092 Sparsity constrained regularization for multiframe image restoration. **2008**, 25, 1199-214 9

2091 Accurate image reconstruction from few-view and limited-angle data in diffraction tomography. **2008**, 25, 1772-82 82

2090 A compressive beamforming method. **2008**, 57

2089 . **2008**, 56, 2334-2345 167

2088 Sampling Signals from a Union of Subspaces. **2008**, 25, 41-47 41

2087 Combining sparsity and rotational invariance in EEG/MEG source reconstruction. **2008**, 42, 726-38 88

2086 Representation Discovery using Harmonic Analysis. **2008**, 2, 1-147 2

2085 Reduce and Boost: Recovering Arbitrary Sets of Jointly Sparse Vectors. **2008**, 56, 4692-4702 197

2084 Uncertainty relations and sparse decompositions of analog signals. **2008**,

2083 Compressed Sensing MRI. **2008**, 25, 72-82 1117

2082 Sparse Sampling of Signal Innovations. **2008**, 25, 31-40 246

2081	Limited Data X-Ray Tomography Using Nonlinear Evolution Equations. **2008**, 30, 1413-1429	24
2080	Exact and Approximate Sparse Solutions of Underdetermined Linear Equations. **2008**, 31, 23-44	29
2079	Recovery Algorithms for Vector-Valued Data with Joint Sparsity Constraints. **2008**, 46, 577-613	137
2078	A novel image/video coding method based on Compressed Sensing theory. **2008**,	8
2077	A compressed sensing technique for OFDM channel estimation in mobile environments: Exploiting channel sparsity for reducing pilots. **2008**,	81
2076	A Nyquist folding analog-to-information receiver. **2008**,	29
2075	Applications of Multipath Transform-Domain Charge-Sampling Wide-Band Receivers. **2008**, 55, 309-313	15
2074	The secrecy of compressed sensing measurements. **2008**,	183
2073	Image compressed sensing based on DT-CWT. **2008**,	
2072	Radio astronomical image formation using sparse reconstruction techniques. **2008**,	4
2071	Exact low-rank matrix completion via convex optimization. **2008**,	60
2070	A multiple description image/video coding method by compressed sensing theory. **2008**,	
2069	Distributed compression of correlated real sequences using random projections. **2008**,	4
2068	Toeplitz block matrices in compressed sensing and their applications in imaging. **2008**,	28
2067	Generalized binary search. **2008**,	24
2066	A new denoising method based on wavelet transform and sparse representation. **2008**,	4
2065	. **2008**,	29
2064	Video object error coding method based on compressive sensing. **2008**,	

2063 Sparse MRI reconstruction via different norms based on total variation. **2008**,

2062 Compressive sampling of non-negative signals. **2008**, 5

2061 Synthetic Aperture Radar raw data encoding using Compressed Sensing. **2008**, 12

2060 Sparsesense: Application of compressed sensing in parallel MRI. **2008**, 10

2059 Interference-driven adaptation in sparse approximation. **2008**, 0

2058 Sparse weighted Euclidean superimposed coding for integer compressed sensing. **2008**, 1

2057 A compressive sensing approach of multiple descriptions for network multimedia communication. **2008**,

2056 Compressed sensing over the Grassmann manifold: A unified analytical framework. **2008**, 33

2055 Simple and efficient algorithm for distributed compressed sensing. **2008**, 3

2054 A Geometrical Study of Matching Pursuit Parametrization. **2008**, 56, 2835-2848 18

2053 Compressed Sensing using Chaos Filters. **2008**, 10

2052 Improved bounds for a deterministic sublinear-time Sparse Fourier Algorithm. **2008**, 8

2051 Algorithms and bounds for sensing capacity and compressed sensing with applications to learning graphical models. **2008**, 3

2050 Spectrum-blind sampling and compressive sensing for continuous-index signals. **2008**, 47

2049 Experiments with Compressively Sampled Images and a New Debluring-Denoising Algorithm. **2008**,

2048 Weighted Euclidean superimposed codes for integer compressed sensing. **2008**,

2047 Streaming measurements in compressive sensing: 1 filtering. **2008**, 6

2046 Sparsity adaptive matching pursuit algorithm for practical compressed sensing. **2008**, 213

2045	An Estimation-Theoretic Interpretation of Video Rate Distortion Optimization with Lagrangian Formulation. **2008**,	1
2044	Computing non-negative tensor factorizations. **2008**, 23, 631-647	32
2043	Compressive video sampling. **2008**,	8
2042	A parallel sampling scheme for ultra-wideband signal based on the random projection. **2008**,	1
2041	Restricted isometry properties and nonconvex compressive sensing. **2008**, 24, 035020	311
2040	Exact Regularization of Convex Programs. **2008**, 18, 1326-1350	49
2039	Particle Filtering for Large-Dimensional State Spaces With Multimodal Observation Likelihoods. **2008**, 56, 4583-4597	34
2038	Faster & greedier: algorithms for sparse reconstruction of large datasets. **2008**,	6
2037	Efficient Projection for Compressed Sensing. **2008**,	5
2036	Kalman filtered Compressed Sensing. **2008**,	150
2035	. **2008**, 55, 2686-2695	5
2034	Compressive sensing of parameterized shapes in images. **2008**,	9
2033	Distributed compressed sensing: Sparsity models and reconstruction algorithms using annihilating filter. **2008**,	10
2032	Electron tomography: a short overview with an emphasis on the absorption potential model for the forward problem. **2008**, 24, 013001	33
2031	In situ compressive sensing. **2008**, 24, 015023	18
2030	Compressed sensing and best k-term approximation. **2008**, 22, 211-231	493
2029	MMSE Estimation of Distributely Coded Correlated Gaussian Sources Using Random Projections. **2008**,	3
2028	Explicit measurements with almost optimal thresholds for compressed sensing. **2008**,	13

2027	Accelerating sensitivity encoding using compressed sensing. **2008**, 2008, 1667-70	14
2026	Practical near-optimal sparse recovery in the L1 norm. **2008**,	32
2025	The Dantzig selector and generalized thresholding. **2008**,	9
2024	Compressive image fusion. **2008**,	10
2023	Rapid cardiac MRI using random radial trajectories. **2008**,	1
2022	Time-Frequency Localization from Sparsity Constraints. **2008**,	19
2021	Nonconvex compressive sensing and reconstruction of gradient-sparse images: Random vs. tomographic Fourier sampling. **2008**,	11
2020	Compressed sensing - a look beyond linear programming. **2008**,	5
2019	. **2008**,	9
2018	Compressed sensing MRI based on nonsubsampled contourlet transform. **2008**,	7
2017	Sparse regularization with l q penalty term. **2008**, 24, 055020	109
2016	Reordering for improved constrained reconstruction from undersampled k-space data. **2008**, 2008, 341684	23
2015	High temporal resolution and streak-free four-dimensional cone-beam computed tomography. **2008**, 53, 5653-73	123
2014	Sparse Representation for Ear Biometrics. **2008**, 336-345	16
2013	A novel digital tomosynthesis (DTS) reconstruction method using a deformation field map. **2008**, 35, 3110-5	35
2012	Distributed Compression of Correlated Signals Using Random Projections. **2008**,	5
2011	Approximate lower bounds for rate-distortion in compressive sensing systems. **2008**,	3
2010	An iterative algorithm for linear inverse problems with compound regularizers. **2008**,	26

2009	Identification of stable genetic networks using convex programming. **2008**,	21
2008	Real Slepian-Wolf codes. **2008**,	
2007	Sparse weighted Euclidean superimposed coding for integer compressed sensing. **2008**,	
2006	Optimal sampling geometries for TV-norm reconstruction of fMRI data. **2008**,	
2005	Subspace compressive detection for sparse signals. **2008**,	2
2004	Fast compressive sampling with structurally random matrices. **2008**,	49
2003	Sparse representation of complex MRI images. **2008**, 2008, 398-401	
2002	Bregman Iterative Algorithms for ell_1-Minimization with Applications to Compressed Sensing. **2008**, 1, 143-168	920
2001	"Real" and "Complex" Network Codes: Promises and Challenges. **2008**,	10
2000	Dynamic MRI with compressed sensing imaging using temporal correlations. **2008**,	1
1999	Superimposed coding for iterative detection of DNA microarray spot failures. **2008**,	1
1998	Compressed sensing parallel magnetic resonance imaging. **2008**, 2008, 1671-4	15
1997	Necessary and sufficient conditions for success of the nuclear norm heuristic for rank minimization. **2008**,	59
1996	Reconstruction of a uniform star object from interior x-ray data. **2008**,	
1995	Compressed sensing for multi-view tracking and 3-D voxel reconstruction. **2008**,	23
1994	Compressed sensing radar. **2008**,	18
1993	Compressed sensing and linear codes over real numbers. **2008**,	23
1992	Lightweight acoustic classification for cane-toad monitoring. **2008**,	5

1991	. **2008**,	72
1990	Iterative subspace pursuit decoding of weighted euclidean superimposed codes. **2008**,	2
1989	Performance limits of matching pursuit algorithms. **2008**,	
1988	A single-pixel terahertz imaging system based on compressed sensing. **2008**, 93, 121105	431
1987	Compressive Sensing Receiver for Free-Space Optical Communication Through the Atmosphere. **2008**,	3
1986	Sparse representations for limited data tomography. **2008**,	24
1985	Application of sparse signal recovery to pilot-assisted channel estimation. **2008**,	23
1984	Compressive wireless arrays for bearing estimation. **2008**,	31
1983	Sparse algorithms are not stable: A no-free-lunch theorem. **2008**,	
1982	Cancer classification by sparse representation using microarray gene expression data. **2008**,	6
1981	The asymptotic distribution and Berry–Esseen bound of a new test for independence in high dimension with an application to stochastic optimization. **2008**, 18,	39
1980	GPR Imaging Using Compressed Measurements. **2008**,	3
1979	Coorbit Theory, Multi--Modulation Frames, and the Concept of Joint Sparsity for Medical Multichannel Data Analysis. **2008**, 2008,	8
1978	A New Reconstruction Approach to Compressed Sensing. **2008**,	
1977	Object specific reconstruction using compressively sensed data. **2008**, 139, 012031	1
1976	New insights into one-norm solvers from the Pareto curve. **2008**, 73, A23-A26	49
1975	Single exposure optically compressed imaging and visualization using random aperture coding. **2008**, 139, 012018	3
1974	Interferometric Synthetic Aperture Microscopy: Computed Imaging for Scanned Coherent Microscopy. **2008**, 8, 3903-3931	31

1973	A single-pixel terahertz camera. **2008**,	
1972	TOWARD RECONSTRUCTION OF CORONAL MASS EJECTION DENSITY FROM ONLY THREE POINTS OF VIEW. **2009**, 695, 636-641	20
1971	THE COMPRESSED-SAMPLING FILTER (CSF). **2009**, 17, 255-273	2
1970	Development of a Compressive Programmable Array Microscope. **2009**,	1
1969	Expanded Field of View using Polarization Multiplexing. **2009**,	
1968	. **2009**,	6
1967	Perceptual compressive sensing for image signals. **2009**,	21
1966	Compressive Imaging: An Application. **2009**, 2, 1255-1276	5
1965	Why do commercial CT scanners still employ traditional, filtered back-projection for image reconstruction?. **2009**, 25, 1230009	319
1964	Parallel MRI Acceleration Using M-FOCUSS. **2009**,	2
1963	Compressed Sensing Reception of Bursty UWB Impulse Radio is Robust to Narrow-Band Interference. **2009**,	14
1962	Compressed sensing and multistatic SAR. **2009**,	
1961	Sparse signal recovery with exponential-family noise. **2009**,	11
1960	Compressive sampling of pulse trains: Spread the spectrum!. **2009**,	8
1959	A fast and efficient heuristic nuclear-norm algorithm for affine rank minimization. **2009**,	2
1958	Expression-insensitive 3D face recognition using sparse representation. **2009**,	30
1957	MRI Reconstruction Based on Inverse Scale Space and Contourlet Thresholding. **2009**,	
1956	Coherence analysis of iterative thresholding algorithms. **2009**,	14

1955	Sparse and low-rank matrix decompositions. **2009**,	49
1954	Compressive confocal microscopy. **2009**,	7
1953	A compressed sensing approach for biological microscopic image processing. **2009**,	8
1952	Compressed neighbor discovery for wireless ad hoc networks: The Rayleigh fading case. **2009**,	12
1951	Batch algorithms of matching pursuit and orthogonal matching pursuit with applications to compressed sensing. **2009**,	0
1950	Sensing matrix optimization in Distributed Compressed Sensing. **2009**,	2
1949	Performance analysis of support recovery with joint sparsity constraints. **2009**,	2
1948	Bayesian compressive sensing of wavelet coefficients using multiscale Laplacian priors. **2009**,	10
1947	Sparse Signal Recovery via Multi-Residual Based Greedy Method. **2009**,	
1946	A simple, efficient and near optimal algorithm for compressed sensing. **2009**,	7
1945	Enhancing sparsity using gradients for compressive sensing. **2009**,	2
1944	Compressed Sensing for UWB Radar Target Signature Reconstruction. **2009**,	4
1943	Regularization in Tomographic Reconstruction Using Proximal Forward-Backward Algorithm. **2009**,	
1942	Nonnegative Compressed Sensing with Minimal Perturbed Expanders. **2009**,	2
1941	Universal priors for sparse modeling. **2009**,	12
1940	Multiclass Gene Selection on Microarray Data Using l1-norm Least Square Regression. **2009**,	2
1939	Compressive spectrum sensing front-ends for cognitive radios. **2009**,	9
1938	The Detection of Frequency Hopping Signal Using Compressive Sensing. **2009**,	10

1937	Randomness-in-Structured Ensembles for compressed sensing of images. **2009**,	
1936	Compressed sensing for Synthetic Aperture Radar imaging. **2009**,	15
1935	Practical compressed sensing with log-of-prime projections. **2009**,	
1934	Block-sparsity: Coherence and efficient recovery. **2009**,	43
1933	Generalized Discrete Radon Transforms and Applications to Image Processing. **2009**, 151, 169-239	1
1932	Quantifying statistical interdependence by message passing on graphs-part II: multidimensional point processes. **2009**, 21, 2203-68	17
1931	Fundamental limits of almost lossless analog compression. **2009**,	5
1930	Reconstruction of a uniform star object from interior x-ray data: uniqueness, stability and algorithm. **2009**, 25, 065010	3
1929	Key issues in secure, error resilient compressive sensing of multimedia content. **2009**,	
1928	Contourlet Based MR Image Reconstruction via Reweighted L1-Minimization. **2009**,	1
1927	Compressed Sensing in microscopy with random projections in the Fourier domain. **2009**,	2
1926	Empirical evaluation of two Deterministic Sparse Fourier Transforms. **2009**,	
1925	UWB signal acquisition in positioning systems: Bayesian compressed sensing with redundancy. **2009** ,	1
1924	On Reducing the Complexity of Tone-Reservation Based PAPR Reduction Schemes by Compressive Sensing. **2009**,	11
1923	A Neural Network pruning approach based on Compressive Sampling. **2009**,	6
1922	Non-linear coding for improved performance in compressive sensing. **2009**,	1
1921	Fast implementation of a 𝓁1 - 𝓁1 regularized sparse representations algorithm.. **2009**,	3
1920	Image fusion in compressed sensing. **2009**,	3

1919 Fast and efficient dimensionality reduction using Structurally Random Matrices. **2009**, 5

1918 Toeplitz random encoding MR imaging using compressed sensing. **2009**, 8

1917 Sequential Sparse Matching Pursuit. **2009**, 20

1916 Dynamic updating for sparse time varying signals. **2009**, 19

1915 Compressive Imaging of Subwavelength Structures. **2009**, 2, 1277-1291 11

1914 An approximate L0 norm minimization algorithm for compressed sensing. **2009**, 17

1913 . **2009**, 9

1912 On the recovery of nonnegative sparse vectors from sparse measurements inspired by expanders. **2009**,

1911 Compressive image super-resolution. **2009**, 21

1910 Distributed sensing of signals linked by sparse filtering. **2009**, 2

1909 Optical communication through time-varying turbulent atmosphere using compressive sensing. **2009**, 2

1908 Compressive cooperative sensing and mapping in mobile networks. **2009**, 23

1907 Compressed sensing MRI with multi-channel data using multi-core processors. **2009**, 2009, 2684-7 3

1906 A Novel Image Compressive Sensing Approach with Column Sparse Prior. **2009**,

1905 Challenging restricted isometry constants with greedy pursuit. **2009**,

1904 . **2009**, 0

1903 . **2009**, 17

1902 LMS based arrays with compressed sensing. **2009**,

1901	On the empirical rate-distortion performance of Compressive Sensing. **2009**,	16
1900	A simple performance analysis of optimization in compressed sensing. **2009**,	2
1899	A modified spectrum sensing method for wideband cognitive radio based on compressive sensing. **2009**,	5
1898	Integrated software-hardware design for ultra-low power infrastructure monitoring. **2009**,	1
1897	Spectogram Reconstruction from Random Sampling: Application to the GSM Band Sensing. **2009**,	3
1896	Distributed analog linear coding of correlated Gaussian sources over multiple access channels. **2009**,	
1895	Compressive sensing of light fields. **2009**,	9
1894	A New Video Codec Based on Compressed Sensing. **2009**,	1
1893	Golay complementary waveforms for sparse delay-Doppler radar imaging. **2009**,	4
1892	Analog compressed sensing. **2009**,	3
1891	Compressive distilled sensing: Sparse recovery using adaptivity in compressive measurements. **2009**,	34
1890	Recovering tensor data from incomplete measurement via compressive sampling. **2009**,	0
1889	Application of Neural Networks In Image Processing and Visualization. **2009**, 59-71	6
1888	3D Tomography from Few Projections in Experimental Fluid Dynamics. **2009**, 63-72	17
1887	Feedback orthogonal pruning pursuit for pulse acquisition in UWB communications. **2009**,	5
1886	Image restoration through l0 analysis-based sparse optimization in tight frames. **2009**,	45
1885	A novel framework for imaging using compressed sensing. **2009**,	10
1884	Transform-domain sparsity regularization for inverse problems in geosciences. **2009**, 74, R69-R83	52

1883	Distributed Coding of Sparse Signals. **2009**, 111-128		0
1882	A VARIANT OF THE EMD METHOD FOR MULTI-SCALE DATA. **2009**, 01, 483-516		33
1881	Gene Selection Using l1-Norm Least Square Regression. **2009**,		2
1880	Geometric tomography. **2009**,		1
1879	Universal analytic properties of noise: introducing theJ-matrix formalism. **2009**, 42, 365202		15
1878	Deconvolution of VLBI images based on compressive sensing. **2009**,		4
1877	Convergence of the linearized Bregman iteration for $ell _1$-norm minimization. **2009**, 78, 2127-2136		99
1876	Practical recipes for the model order reduction, dynamical simulation and compressive sampling of large-scale open quantum systems. **2009**, 11, 065002		2
1875	Temporal resolution improvement using PICCS in MDCT cardiac imaging. **2009**, 36, 2130-5		67
1874	Compressed sensing based interior tomography. **2009**, 54, 2791-805		349
1873	Sparse representation for classification of tumors using gene expression data. **2009**, 2009, 403689		53
1872	Algorithm 890. **2009**, 35, 1-16		17
1871	Application of Compressive Sampling for Accelerometer Signals Used in Structural Health Monitoring. **2009**, 413-414, 455-462		2
1870	Video compressive sensing using spatial domain sparsity. **2009**, 48, 087006		31
1869	A compressed sensing receiver for UWB impulse radio in bursty applications like wireless sensor networks. **2009**, 2, 248-264		21
1868	Further Results on Stable Recovery of Sparse Overcomplete Representations in the Presence of Noise. *IEEE Transactions on Information Theory*, **2009**, 55, 888-899	2.8	23
1867	Sampling Theorems for Signals From the Union of Finite-Dimensional Linear Subspaces. *IEEE Transactions on Information Theory*, **2009**, 55, 1872-1882	2.8	152
1866	Subspace Pursuit for Compressive Sensing Signal Reconstruction. *IEEE Transactions on Information Theory*, **2009**, 55, 2230-2249	2.8	1323

1865	Sharp Thresholds for High-Dimensional and Noisy Sparsity Recovery Using $ell _{1}$ -Constrained Quadratic Programming (Lasso). *IEEE Transactions on Information Theory*, **2009**, 55, 2183-2202	2.8	517
1864	Weighted Superimposed Codes and Constrained Integer Compressed Sensing. *IEEE Transactions on Information Theory*, **2009**, 55, 2215-2229	2.8	16
1863	Restricted Isometry Constants Where $ell ^{p}$ Sparse Recovery Can Fail for $0<< p leq 1$. *IEEE Transactions on Information Theory*, **2009**, 55, 2203-2214	2.8	101
1862	Uncertainty Relations for Shift-Invariant Analog Signals. *IEEE Transactions on Information Theory*, **2009**, 55, 5742-5757	2.8	17
1861	. *IEEE Transactions on Information Theory*, **2009**, 55, 5773-5782	2.8	99
1860	Necessary and Sufficient Conditions for Sparsity Pattern Recovery. *IEEE Transactions on Information Theory*, **2009**, 55, 5758-5772	2.8	124
1859	The application of compressed sensing for photo-acoustic tomography. **2009**, 28, 585-94		183
1858	Highly undersampled magnetic resonance image reconstruction via homotopic l(0) -minimization. **2009**, 28, 106-21		312
1857	A new distortion model for strong inhomogeneity problems in echo-planar MRI. **2009**, 28, 1736-53		4
1856	A practical acceleration algorithm for real-time imaging. **2009**, 28, 2042-51		25
1855	Compressed and distributed sensing of neuronal activity for real time spike train decoding. **2009**, 17, 116-27		34
1854	Deblurring From Highly Incomplete Measurements for Remote Sensing. **2009**, 47, 792-802		74
1853	Single-Pixel Remote Sensing. **2009**, 6, 199-203		74
1852	. **2009**, 6, 567-571		157
1851	A Single-Pixel Imaging System for Remote Sensing by Two-Step Iterative Curvelet Thresholding. **2009**, 6, 676-680		21
1850	Acquisition and reconstruction of undersampled radial data for myocardial perfusion magnetic resonance imaging. **2009**, 29, 466-73		107
1849	Undersampled radial MR acquisition and highly constrained back projection (HYPR) reconstruction: potential medical imaging applications in the post-Nyquist era. **2009**, 29, 501-16		50
1848	k-t FOCUSS: a general compressed sensing framework for high resolution dynamic MRI. **2009**, 61, 103-16		433

1847	Regularized sensitivity encoding (SENSE) reconstruction using Bregman iterations. **2009**, 61, 145-52	61
1846	A multispectral three-dimensional acquisition technique for imaging near metal implants. **2009**, 61, 381-90	198
1845	Improving non-contrast-enhanced steady-state free precession angiography with compressed sensing. **2009**, 61, 1122-31	48
1844	Accelerated three-dimensional upper airway MRI using compressed sensing. **2009**, 61, 1434-40	56
1843	Toward true 3D visualization of active catheters using compressed sensing. **2009**, 62, 341-7	15
1842	Accelerating SENSE using compressed sensing. **2009**, 62, 1574-84	289
1841	Random Projections of Smooth Manifolds. **2009**, 9, 51-77	218
1840	Uniform Uncertainty Principle and Signal Recovery via Regularized Orthogonal Matching Pursuit. **2009**, 9, 317-334	559
1839	Exact Matrix Completion via Convex Optimization. **2009**, 9, 717-772	2614
1838	Nonlinear Least Squares in RN. **2009**, 107, 325-337	11
1837	Time-Frequency Localization and Sampling of Multiband Signals. **2009**, 107, 399-435	7
1836	The application of joint sparsity and total variation minimization algorithms to a real-life art restoration problem. **2009**, 31, 157-184	15
1835	Quantitative single point imaging with compressed sensing. **2009**, 201, 72-80	37
1834	A note on compressed sensing and the complexity of matrix multiplication. **2009**, 109, 468-471	10
1833	Morphological Diversity and Sparsity for Multichannel Data Restoration. **2009**, 33, 149-168	12
1832	Wavelet-based acoustic detection of moving vehicles. **2009**, 20, 55-80	38
1831	Linear Image Reconstruction by Sobolev Norms on the Bounded Domain. **2009**, 84, 205-219	2
1830	A Predual Proximal Point Algorithm Solving a Non Negative Basis Pursuit Denoising Model. **2009**, 83, 294-311	13

1829	Block-Coordinate Gradient Descent Method for Linearly Constrained Nonsmooth Separable Optimization. **2009**, 140, 513-535	62
1828	Wavelet denoising via sparse representation. **2009**, 52, 1371-1377	15
1827	Simultaneously inpainting in image and transformed domains. **2009**, 112, 509-533	32
1826	Compressed sensing imaging techniques for radio interferometry. **2009**, 395, 1733-1742	169
1825	Spread spectrum for imaging techniques in radio interferometry. **2009**, 400, 1029-1038	46
1824	Compressive Dual Photography. **2009**, 28, 609-618	67
1823	DASSO: connections between the Dantzig selector and lasso. **2009**, 71, 127-142	75
1822	Image reconstruction with optical interferometers. **2009**, 53, 312-328	13
1821	X-ray cargo container inspection system with few-view projection imaging. **2009**, 598, 439-444	20
1820	Private multiparty sampling and approximation of vector combinations. **2009**, 410, 1730-1745	2
1819	Compressive sensing for multi-static scattering analysis. **2009**, 228, 3464-3477	21
1818	Sparse solutions to underdetermined Kronecker product systems. **2009**, 431, 2437-2447	68
1817	Compressive sensing for subsurface imaging using ground penetrating radar. **2009**, 89, 1959-1972	95
1816	Average performance of the approximation in a dictionary using an objective. **2009**, 347, 565-570	
1815	CoSaMP: Iterative signal recovery from incomplete and inaccurate samples. **2009**, 26, 301-321	2388
1814	Chirp sensing codes: Deterministic compressed sensing measurements for fast recovery. **2009**, 26, 283-290	158
1813	Accelerating gradient projection methods for . **2009**, 27, 247-254	43
1812	Iterative hard thresholding for compressed sensing. **2009**, 27, 265-274	1200

1811	Instance-optimality in probability with an . **2009**, 27, 275-288		65
1810	Robust Recovery of Signals From a Structured Union of Subspaces. *IEEE Transactions on Information Theory*, **2009**, 55, 5302-5316	2.8	571
1809	Beyond bandlimited sampling. **2009**, 26, 48-68		77
1808	Performance comparison between total variation (TV)-based compressed sensing and statistical iterative reconstruction algorithms. **2009**, 54, 5781-804		209
1807	Subspace Compressive Frequency Estimation of Frequency Hopping Signal. **2009**,		0
1806	Exploiting Structure in Wavelet-Based Bayesian Compressive Sensing. **2009**, 57, 3488-3497		294
1805	Energy efficient information collection in wireless sensor networks using adaptive compressive sensing. **2009**,		61
1804	Energy efficient sampling for event detection in wireless sensor networks. **2009**,		19
1803	Modified compressive sensing for real-time dynamic MR imaging. **2009**,		28
1802	Sparsity inspired selection and recognition of iris images. **2009**,		27
1801	. **2009**, 51, 72-81		41
1800	Optimal quantization of random measurements in compressed sensing. **2009**,		51
1799	SAR imaging of multiple ships based on compressed sensing. **2009**,		3
1798	Sparse Signal Recovery via Optimized Orthogonal Matching Pursuit. **2009**,		
1797	Sparse sampling of structured information and its application to compression. **2009**,		
1796	Shape detection in images exploiting sparsity. **2009**,		1
1795	. **2009**, 57, 2479-2493		1063
1794	Fast bayesian compressive sensing using Laplace priors. **2009**,		12

1793	Robust video transmission using Layered Compressed Sensing. **2009**,	1
1792	Compressed sensing pulse-echo mode terahertz reflectance tomography. **2009**, 34, 3863-5	7
1791	Super-resolution and reconstruction of sparse sub-wavelength images. **2009**, 17, 23920-46	127
1790	Exploiting Transform-Domain Sparsity in Reservoir History Matching. **2009**,	2
1789	Backward discrete wave field propagation modeling as an inverse problem: toward perfect reconstruction of wave field distributions. **2009**, 48, 3407-23	10
1788	From Sparse Solutions of Systems of Equations to Sparse Modeling of Signals and Images. **2009**, 51, 34-81	1494
1787	. **2009**, 57, 92-106	346
1786	Blind Multiband Signal Reconstruction: Compressed Sensing for Analog Signals. **2009**, 57, 993-1009	451
1785	High-Resolution Radar via Compressed Sensing. **2009**, 57, 2275-2284	647
1784	Nonlinear Filtering for Sparse Signal Recovery From Incomplete Measurements. **2009**, 57, 2494-2502	19
1783	Efficient Reconstruction Algorithms Using Shifted Lattices. **2009**, 57, 2548-2557	1
1782	A Compressive Sensing Data Acquisition and Imaging Method for Stepped Frequency GPRs. **2009**, 57, 2640-2650	199
1781	On the Reconstruction of Block-Sparse Signals With an Optimal Number of Measurements. **2009**, 57, 3075-3085	227
1780	Stagewise Weak Gradient Pursuits. **2009**, 57, 4333-4346	74
1779	Relaxed Conditions for Sparse Signal Recovery With General Concave Priors. **2009**, 57, 4347-4354	24
1778	Distributed compressive wide-band spectrum sensing. **2009**,	46
1777	Distributed compressed video sensing. **2009**,	24
1776	Compressed sensing for face recognition. **2009**,	4

1775	Fast algorithms for nonconvex compressive sensing: MRI reconstruction from very few data. **2009**,	145
1774	Pseudo 2D random sampling for compressed sensing MRI. **2009**, 2009, 2672-5	8
1773	ell_1 Trend Filtering. **2009**, 51, 339-360	306
1772	Radiation dose reduction in computed tomography: techniques and future perspective. **2009**, 1, 65-84	235
1771	A compressive sensing approach for expression-invariant face recognition. **2009**,	55
1770	Search for IMRT inverse plans with piecewise constant fluence maps using compressed sensing techniques. **2009**, 36, 1895-905	34
1769	A restricted isometry property for structurally-subsampled unitary matrices. **2009**,	12
1768	Linear transformations and Restricted Isometry Property. **2009**,	2
1767	Compressed sensing for MIMO radar - algorithms and performance. **2009**,	32
1766	Sparse event detection in wireless sensor networks using compressive sensing. **2009**,	20
1765	Clustering-Based Compressive Wide-Band Spectrum Sensing in Cognitive Radio Network. **2009**,	8
1764	. **2009**,	11
1763	Compressed Sensing via Sparse Bayesian Learning and Gibbs Sampling. **2009**,	2
1762	Compressive data gathering for large-scale wireless sensor networks. **2009**,	321
1761	A Unified Multi-Functional Dynamic Spectrum Access Framework: Tutorial, Theory and Multi-GHz Wideband Testbed. **2009**, 9, 6530-603	17
1760	Learning with dynamic group sparsity. **2009**,	10
1759	A New Method for Sparse Signal Denoising Based on Compressed Sensing. **2009**,	6
1758	Rank-Constrained Solutions to Linear Matrix Equations Using PowerFactorization. **2009**, 16, 584-587	94

1757	Compressed Sensing Maximum Likelihood Channel Estimation for Ultra-Wideband Impulse Radio. **2009**,	8
1756	Terahertz pulsed spectroscopic imaging using optimized binary masks. **2009**, 95, 231112	22
1755	On random construction of a bipolar sensing matrix with compact representation. **2009**,	0
1754	A Bayesian analysis of Compressive Sensing data recovery in Wireless Sensor Networks. **2009**,	17
1753	. **2009**, 45, 250-265	2
1752	Compressive wide-band spectrum sensing. **2009**,	91
1751	Random Projection Ensemble Classifiers. **2009**, 309-316	24
1750	Multiple pattern classification by sparse subspace decomposition. **2009**,	
1749	On the Applicability of Compressive Sampling in Fine Grained Processor Performance Monitoring. **2009**,	6
1748	Channel protection: Random coding meets sparse channels. **2009**,	7
1747	A Dynamic CT Image Reconstruction Method by Inducing Prior Information from PCA Analysis. **2009** ,	
1746	Encoding the sinusoidal model of an audio signal using compressed sensing. **2009**,	3
1745	Compressed sensing image reconstruction based on morphological component analysis. **2009**,	
1744	Digitally assisted Analog Compressive Sensing. **2009**,	2
1743	Sparse spectral fitting for Direction Of Arrival and power estimation. **2009**,	18
1742	An adaptive and information theoretic method For compressed sampling. **2009**,	2
1741	Spatial compressive sensing approach for field directionality estimation.. **2009**,	3
1740	. **2009**,	4

1739 Matrix completion from a few entries. **2009**, 85

1738 A manifold lifting algorithm for multi-view compressive imaging. **2009**, 12

1737 Reweighted Compressive Sampling for image compression. **2009**, 19

1736 A compressed sensing receiver for bursty communication with UWB Impulse Radio. **2009**, 5

1735 Compressive sensing method for improved reconstruction of gradient-sparse magnetic resonance images. **2009**, 3

1734 . **2009**, 45, 1167-1180 38

1733 A sparsity detection framework for on-off random access channels. **2009**, 12

1732 Explicit thresholds for approximately sparse compressed sensing via 1-optimization. **2009**,

1731 Practical compressive sensing of large images. **2009**, 10

1730 Adaptive coherence conditioning. **2009**,

1729 Distributed RF tomography for tunnel detection: Suitable inversion schemes. **2009**, 2

1728 On the interplay between routing and signal representation for Compressive Sensing in wireless sensor networks. **2009**, 84

1727 Application of compressed sensing in sparse aperture imaging of radar. **2009**, 6

1726 Support recovery in compressed sensing: An estimation theoretic approach. **2009**, 5

1725 2/1-optimization and its strong thresholds in approximately block-sparse compressed sensing. **2009**,

1724 Joint estimation of offset parameters and high-resolution images via l1-norm minimization principle. **2009**,

1723 Linear analog coding of general multivariate Gaussian sources. **2009**, 2

1722 Fast compressive sensing radar imaging based on smoothed l0 norm. **2009**,

1721	A coherence gradient method in waveform design for apertures. **2009**,	
1720	Depth map compression via compressed sensing. **2009**,	15
1719	Improved sparsity thresholds through dictionary splitting. **2009**,	1
1718	SAR tomography from sparse samples. **2009**,	25
1717	Accelerated 3D MRI of vocal tract shaping using compressed sensing and parallel imaging. **2009**,	3
1716	Fast encoding of video based on compressive sensing. **2009**,	2
1715	Block sparsity and sampling over a union of subspaces. **2009**,	15
1714	Subspace pursuit for gene profile classificaiton. **2009**,	1
1713	Expected RIP: Conditioning of The modulated wideband converter. **2009**,	22
1712	Bit precision analysis for compressed sensing. **2009**,	4
1711	. **2009**,	1
1710	Modified-CS: Modifying compressive sensing for problems with partially known support. **2009**,	42
1709	Few-View Projection Reconstruction With an Iterative Reconstruction-Reprojection Algorithm and TV Constraint. **2009**, 56, 1377-1382	27
1708	Analysis and optimization of distributed linear coding of Gaussian sources. **2009**,	
1707	Compressed sensing implementation in cardiac signals. **2009**,	4
1706	Fast frame-based image deconvolution using variable splitting and constrained optimization. **2009**,	23
1705	Compressive-projection principal component analysis. **2009**, 18, 2230-42	105
1704	Source coding with a side information “ending machine” at the decoder. **2009**,	1

1703	. **2009**,	54
1702	On compressed sensing and its application to speech and audio signals. **2009**,	23
1701	Distributed analog coding of correlated Gaussian sources. **2009**,	1
1700	A note on optimal support recovery in compressed sensing. **2009**,	17
1699	Sampling rate reduction for 60 GHz UWB communication using compressive sensing. **2009**,	12
1698	Distributed Compressed Video Sensing. **2009**,	24
1697	Compressive Sensing Reconstruction With Prior Information by Iteratively Reweighted Least-Squares. **2009**, 57, 2424-2431	65
1696	Pilot-assisted channel estimation for MIMO OFDM systems using theory of sparse signal recovery. **2009**,	10
1695	A Fast Approach for Overcomplete Sparse Decomposition Based on Smoothed $ell ^{0}$ Norm. **2009**, 57, 289-301	659
1694	Gradient descent with sparsification. **2009**,	55
1693	Subspace Correction Methods for Total Variation and ell_1-Minimization. **2009**, 47, 3397-3428	36
1692	Compressive particle filtering for target tracking. **2009**,	14
1691	Compressed sensing based UWB receiver: Hardware compressing and FPGA reconstruction. **2009**,	15
1690	Probing the Pareto Frontier for Basis Pursuit Solutions. **2009**, 31, 890-912	1040
1689	A fast and accurate first-order algorithm for compressed sensing. **2009**,	
1688	Application of Analytic Wavelet Transform for Signal Detection in Nyquist Folding Analog-to-Information Receiver. **2009**,	4
1687	Compressed Sensing of Analog Signals in Shift-Invariant Spaces. **2009**, 57, 2986-2997	97
1686	Learning to sense sparse signals: simultaneous sensing matrix and sparsifying dictionary optimization. **2009**, 18, 1395-408	349

1685	How to Choose Interpolation Data in Images. **2009**, 70, 333-352	38
1684	Compressive Sensing by Random Convolution. **2009**, 2, 1098-1128	275
1683	The Split Bregman Method for L1-Regularized Problems. **2009**, 2, 323-343	2719
1682	An overview of inverse problem regularization using sparsity. **2009**,	10
1681	Reconstructing FT-IR spectroscopic imaging data with a sparse prior. **2009**,	2
1680	Strategies for reducing radiation dose in CT. **2009**, 47, 27-40	557
1679	Adaptive Sensing for Sparse Signal Recovery. **2009**,	30
1678	Compressive mobile sensing in robotic mapping. **2009**,	3
1677	Sparse linear models: Variational approximate inference and Bayesian experimental design. **2009**, 197, 012001	4
1676	A typical reconstruction limit for compressed sensing based onLp-norm minimization. **2009**, 2009, L09003	91
1675	Enhanced imaging of microcalcifications in digital breast tomosynthesis through improved image-reconstruction algorithms. **2009**, 36, 4920-32	123
1674	Sparse and Low-Rank Matrix Decompositions. **2009**, 42, 1493-1498	16
1673	Counting faces of randomly projected polytopes when the projection radically lowers dimension. **2009**, 22, 1-53	210
1672	Crossline wavefield reconstruction from multicomponent streamer data: Part 1 Multichannel interpolation by matching pursuit (MIMAP) using pressure and its crossline gradient. **2010**, 75, WB53-WB67	64
1671	Optimized Projection Matrix for Compressive Sensing. **2010**, 2010,	73
1670	History Matching With Learned Sparse Dictionaries. **2010**,	5
1669	Compressive sensing radar imaging based on smoothed l0 norm. **2010**,	1
1668	Crossline wavefield reconstruction from multicomponent streamer data: Part 2 Joint interpolation and 3D up/down separation by generalized matching pursuit. **2010**, 75, WB69-WB85	63

1667	Accelerated and reduced-dose imaging: using undersampled acquisition and constrained reconstruction. **2010**, 2, 369-373	
1666	A novel off-axis scanning method for an enlarged ellipse cone-beam computed tomography field of view. **2010**, 37, 6233-9	1
1665	Neutron Radioscopy: Industrial and Scientific Applications. **2010**,	
1664	Controller Structure Design for Decentralized Control of Coupled Higher Order Subsystems. **2010**, 43, 269-274	3
1663	Optimal Controller Structure Reduction for Decentralized Control. **2010**, 43, 303-308	3
1662	High Frequency Photonic Analog-to-Digital Conversion Using Nonuniform Sampling. **2010**,	
1661	Combined Nyquist and Compressed Sampling Method for Radio Wave Data Compression of a Heterogeneous Network System. **2010**, E93.B, 3238-3247	2
1660	. **2010**, 98, 1006-1020	378
1659	Linear Systems, Sparse Solutions, and Sudoku. **2010**, 17, 40-42	15
1658	Low-dose x-ray phase-contrast and absorption CT using equally sloped tomography. **2010**, 55, 5383-400	36
1657	Compressed sensing and reconstruction with Semi-Hadamard matrices. **2010**,	5
1656	Compressed sensing and reconstruction with bernoulli matrices. **2010**,	39
1655	Digital filters with sparse coefficients. **2010**,	21
1654	Evaluation of sparse-view reconstruction from flat-panel-detector cone-beam CT. **2010**, 55, 6575-99	245
1653	Compressive Sensing for streaming signals using the Streaming Greedy Pursuit. **2010**,	2
1652	Joint spectrum sensing and primary user localization for cognitive radio via compressed sensing. **2010**,	10
1651	Compressive cooperative obstacle mapping in mobile networks. **2010**,	8
1650	Bayesian compressive sensing using laplace priors. **2010**, 19, 53-63	421

1649	. **2010**, 98, 913-924		180
1648	Audio Sparse Decompositions in Parallel. **2010**, 27, 90-96		3
1647	Signal Recovery From Incomplete and Inaccurate Measurements Via Regularized Orthogonal Matching Pursuit. **2010**, 4, 310-316		493
1646	Empirical Processes with a Bounded Diameter. **2010**, 20, 988-1027		40
1645	Sparsity in Time-Frequency Representations. **2010**, 16, 233-260		47
1644	A convergent overlapping domain decomposition method for total variation minimization. **2010**, 116, 645-685		31
1643	Sparse recovery by non-convex optimization nstance optimality. **2010**, 29, 30-48		73
1642	Application of compressed sensing to in vivo 3D F CSI. **2010**, 207, 262-73		38
1641	Approximation accuracy, gradient methods, and error bound for structured convex optimization. **2010**, 125, 263-295		109
1640	Combinatorial Sublinear-Time Fourier Algorithms. **2010**, 10, 303-338		83
1639	L1/2 regularization. **2010**, 53, 1159-1169		230
1638	Random sampling of bandlimited functions. **2010**, 177, 1-28		14
1637	Compressed History Matching: Exploiting Transform-Domain Sparsity for Regularization of Nonlinear Dynamic Data Integration Problems. **2010**, 42, 1-27		62
1636	A Basis Illumination Approach to BRDF Measurement. **2010**, 90, 183-197		26
1635	. **2010**, 48, 3839-3846		283
1634	. **2010**, 48, 3824-3838		205
1633	Compressed Sensing for Surface Characterization and Metrology. **2010**, 59, 1600-1615		27
1632	Average Case Analysis of Multichannel Sparse Recovery Using Convex Relaxation. *IEEE Transactions on Information Theory*, **2010**, 56, 505-519	2.8	258

1631	Beyond Nyquist: Efficient Sampling of Sparse Bandlimited Signals. *IEEE Transactions on Information Theory*, **2010**, 56, 520-544	2.8	636
1630	Compressed Genotyping. *IEEE Transactions on Information Theory*, **2010**, 56, 706-723	2.8	35
1629	Performance Analysis for Sparse Support Recovery. *IEEE Transactions on Information Theory*, **2010**, 56, 1383-1399	2.8	87
1628	Exponential Bounds Implying Construction of Compressed Sensing Matrices, Error-Correcting Codes, and Neighborly Polytopes by Random Sampling. *IEEE Transactions on Information Theory*, **2010**, 56, 2002-2016	2.8	35
1627	Theoretical and Empirical Results for Recovery From Multiple Measurements. *IEEE Transactions on Information Theory*, **2010**, 56, 2516-2527	2.8	156
1626	. *IEEE Transactions on Information Theory*, **2010**, 56, 2053-2080	2.8	1038
1625	Matrix Completion From a Few Entries. *IEEE Transactions on Information Theory*, **2010**, 56, 2980-2998	2.8	470
1624	Uncertainty Principles and Vector Quantization. *IEEE Transactions on Information Theory*, **2010**, 56, 3491-3501	2.8	30
1623	Robust Regression and Lasso. *IEEE Transactions on Information Theory*, **2010**, 56, 3561-3574	2.8	82
1622	Rényi Information Dimension: Fundamental Limits of Almost Lossless Analog Compression. *IEEE Transactions on Information Theory*, **2010**, 56, 3721-3748	2.8	90
1621	Asymptotic Analysis of Robust LASSOs in the Presence of Noise With Large Variance. *IEEE Transactions on Information Theory*, **2010**, 56, 5131-5149	2.8	22
1620	Toeplitz Compressed Sensing Matrices With Applications to Sparse Channel Estimation. *IEEE Transactions on Information Theory*, **2010**, 56, 5862-5875	2.8	273
1619	Nonlinear regularization for per voxel estimation of magnetic susceptibility distributions from MRI field maps. **2010**, 29, 273-81		159
1618	Spatio-temporal data fusion for 3D+T image reconstruction in cerebral angiography. **2010**, 29, 1238-51		15
1617	. **2010**, 98, 1021-1030		31
1616	Matrix Completion With Noise. **2010**, 98, 925-936		810
1615	. **2010**, 98, 1077-1088		43
1614	Computational Methods for Sparse Solution of Linear Inverse Problems. **2010**, 98, 948-958		595

1613	Sparse Recovery Using Sparse Matrices. **2010**, 98, 937-947	180
1612	Sequential Compressed Sensing. **2010**, 4, 435-444	76
1611	. **2010**, 4, 226-238	214
1610	Imaging of Moving Targets With Multi-Static SAR Using an Overcomplete Dictionary. **2010**, 4, 164-176	66
1609	ell_{2}/ell_{1} -Optimization in Block-Sparse Compressed Sensing and Its Strong Thresholds. **2010** , 4, 350-357	31
1608	A Stochastic Gradient Approach on Compressive Sensing Signal Reconstruction Based on Adaptive Filtering Framework. **2010**, 4, 409-420	102
1607	. **2010**, 4, 330-341	180
1606	Robust Sampling and Reconstruction Methods for Sparse Signals in the Presence of Impulsive Noise. **2010**, 4, 392-408	75
1605	Signal Processing With Compressive Measurements. **2010**, 4, 445-460	344
1604	Compressed Synthetic Aperture Radar. **2010**, 4, 244-254	281
1603	. **2010**, 4, 288-297	375
1602	Compressive Estimation of Doubly Selective Channels in Multicarrier Systems: Leakage Effects and Sparsity-Enhancing Processing. **2010**, 4, 255-271	169
1601	Normalized Iterative Hard Thresholding: Guaranteed Stability and Performance. **2010**, 4, 298-309	264
1600	From Theory to Practice: Sub-Nyquist Sampling of Sparse Wideband Analog Signals. **2010**, 4, 375-391	612
1599	. **2010**, 4, 358-374	159
1598	Compressive Stepped-Frequency Continuous-Wave Ground-Penetrating Radar. **2010**, 7, 665-669	68
1597	New iterative cone beam CT reconstruction software: parameter optimisation and convergence study. **2010**, 100, 166-74	8
1596	Iteratively reweighted least squares minimization for sparse recovery. **2010**, 63, 1-38	752

1595	Motion estimated and compensated compressed sensing dynamic magnetic resonance imaging: What we can learn from video compression techniques. **2010**, 20, 81-98	60
1594	Coherent X-Ray Diffraction Microscopy. **2010**, 119-168	
1593	Reconstruction of 3D dynamic contrast-enhanced magnetic resonance imaging using nonlocal means. **2010**, 32, 1217-27	38
1592	Radial k-t FOCUSS for high-resolution cardiac cine MRI. **2010**, 63, 68-78	71
1591	Optimization of k-space trajectories for compressed sensing by Bayesian experimental design. **2010**, 63, 116-26	83
1590	3D compressed sensing for highly accelerated hyperpolarized (13)C MRSI with in vivo applications to transgenic mouse models of cancer. **2010**, 63, 312-21	116
1589	A simulation-based analysis of the potential of compressed sensing for accelerating passive MR catheter visualization in endovascular therapy. **2010**, 63, 473-83	8
1588	Compressed sensing in hyperpolarized 3He lung MRI. **2010**, 63, 1059-69	53
1587	Compressed sensing MRI with multichannel data using multicore processors. **2010**, 64, 1135-9	26
1586	Sparse approximate solution of partial differential equations. **2010**, 60, 452-472	7
1585	Mixed linear system estimation and identification. **2010**, 90, 966-971	5
1584	On compressive sensing applied to radar. **2010**, 90, 1402-1414	394
1583	The Gelfand widths of ℓ_p-balls for 0. **2010**, 26, 629-640	65
1582	Wavelet frame based scene reconstruction from range data. **2010**, 229, 2093-2108	12
1581	Non-convex sparse regularisation. **2010**, 365, 19-28	32
1580	Image representation by compressive sensing for visual sensor networks. **2010**, 21, 325-333	31
1579	A numerical exploration of compressed sampling recovery. **2010**, 432, 1663-1679	29
1578	Reducing data acquisition times in phase-encoded velocity imaging using compressed sensing. **2010**, 203, 236-46	85

1577	Compressed sensing of remotely detected MRI velocimetry in microfluidics. **2010**, 205, 196-201	30
1576	A sparse Bayesian framework for conditioning uncertain geologic models to nonlinear flow measurements. **2010**, 33, 1024-1042	20
1575	Segmentation of ARX-models using sum-of-norms regularization. **2010**, 46, 1107-1111	89
1574	On the impact of routing matrix inconsistencies on statistical path monitoring in overlay networks. **2010**, 54, 1554-1572	4
1573	Effective band-limited extrapolation relying on Slepian series and ℓ1 regularization. **2010**, 60, 1259-1279	10
1572	Adaptive wavelet-Galerkin methods for limited angle tomography. **2010**, 28, 696-703	14
1571	Channel estimation based on distributed compressed sensing in amplify-and-forward relay networks. **2010**, 17, 44-49	3
1570	Implementation of compressive sensing in ECG and EEG signal processing. **2010**, 17, 122-126	9
1569	Investigation of Sparse Data Mouse Imaging Using Micro-CT with a Carbon-Nanotube-Based X-ray Source. **2010**, 15, 74-78	7
1568	Compressed sensing reconstruction of a string signal from interferometric observations of the cosmic microwave background. **2010**, 402, 2626-2636	23
1567	Randomization of data acquisition and ℓ1-optimization (recognition with compression). **2010**, 71, 2259-2282	9
1566	Compressive estimation for signal integration in rendering. **2010**, 29, 1355-1363	6
1565	Transparent and Specular Object Reconstruction. **2010**, 29, 2400-2426	87
1564	Mixed-Signal Parallel Compressive Spectrum Sensing for Cognitive Radios. **2010**, 2010, 1-10	10
1563	Consistent image decoding from multiple lossy versions. **2010**,	1
1562	Implementation of compressed sensing in telecardiology sensor networks. **2010**, 2010,	12
1561	Compressive inverse scattering: II. Multi-shot SISO measurements with born scatterers. **2010**, 26, 035009	13
1560	Compressive inverse scattering: I. High-frequency SIMO/MISO and MIMO measurements. **2010**, 26, 035008	22

1559 Classification-based image-fusion framework for compressive imaging. **2010**, 19, 033009 9

1558 Compressed sensing in photoacoustic tomography in vivo. **2010**, 15, 021311 102

1557 Random phase modulation and sparse sampling-based optical imaging system. **2010**, 49, 047002 5

1556 A Generalized Reconstruction Algorithm for Compressed Sensing. **2010**,

1555 Compressive sensing based multiview image coding with belief propagation. **2010**, 5

1554 Performance analysis of stochastic signal detection with compressive measurements. **2010**, 11

1553 . **2010**, 21

1552 Small ensembles of sampling matrices constructed from coding theory. **2010**, 3

1551 Multichannel Sampling of Signals With Finite Rate of Innovation. **2010**, 17, 762-765 18

1550 . **2010**,

1549 Sparse Blind Source Separation via □1-Norm Optimization. **2010**, 321-330

1548 □1 -Sparse reconstruction of sharp point set surfaces. **2010**, 29, 1-12 104

1547 Sigma delta quantization for compressed sensing. **2010**, 15

1546 Image magnification method using Compressed Sensing. **2010**,

1545 Through-the-Wall Radar Imaging using compressive sensing along temporal frequency domain. **2010**, 26

1544 Equivalent mean breakdown points for linear codes and compressed sensing by □1 optimization. **2010**, 2

1543 Compressive Sampling Recovery for Natural Images. **2010**, 1

1542 Frameproof codes and compressive sensing. **2010**, 7

1541	Compressed terahertz imaging system using a spin disk. **2010**,	4
1540	Two novel compressed-sensing algorithms for NBI detection in OFDM systems. **2010**,	6
1539	Sparse representation of medical images via compressed sensing using Gaussian Scale Mixtures. **2010**,	
1538	Sparsity maximization under a quadratic constraint with applications in filter design. **2010**,	3
1537	Motion estimation from compressed linear measurements. **2010**,	2
1536	Sparsity enhanced fast subsurface imaging for stepped frequency GPRs. **2010**,	
1535	Hyperspectral data classification via sparse representation in homotopy. **2010**,	3
1534	Low-Complexity Sparse FIR Channel Shortening. **2010**,	1
1533	Compressive Data Persistence in Large-Scale Wireless Sensor Networks. **2010**,	9
1532	Sparse interactions: Identifying high-dimensional multilinear systems via compressed sensing. **2010** ,	6
1531	Cooperative Compressed Sensing for Wide-Band Spectrum Detection. **2010**,	1
1530	Compressive sensing for wide-angle analysis. **2010**,	
1529	Compressive sensing for ultrasound RF echoes using a-Stable Distributions. **2010**, 2010, 4304-7	31
1528	Quantization constrained convex optimization for the compressive sensing reconstructions. **2010**,	
1527	Dynamic direction-of-arrival estimation via spatial compressive sensing. **2010**,	1
1526	Wyner-Ziv coding of video using compressive sensing without feedback channel. **2010**,	3
1525	Error Analysis of L1-Regularized Support Vector Machine for Beta-Mixing Sequence. **2010**,	
1524	. **2010**,	

1523	Streaming Compressive Sensing for high-speed periodic videos. **2010**,	12
1522	Fast image recovery using variable splitting and constrained optimization. **2010**, 19, 2345-56	770
1521	A soft-threshold filtering approach for reconstruction from a limited number of projections. **2010**, 55, 3905-16	143
1520	High Order Total Variation Minimization for Interior Tomography. **2010**, 26, 350131-3501329	89
1519	An algorithm for computed tomography image reconstruction from limited-view projections. **2010**, 19, 088106	10
1518	. **2010**,	8
1517	Polar compressive sampling: A novel technique using Polar codes. **2010**,	
1516	Super-resolution imager via compressive sensing. **2010**,	2
1515	Resilient image sensor networks in lossy channels using compressed sensing. **2010**,	4
1514	Reconstructing Spectrum Occupancies for Wideband Cognitive Radio Networks: A Matrix Completion via Belief Propagation. **2010**,	10
1513	Matching pursuit: Evaluation and implementatio for LTE channel estimation. **2010**,	14
1512	Recovery thresholds for ℓ1 optimization in binary compressed sensing. **2010**,	3
1511	Sparse Representation for Speaker Identification. **2010**,	35
1510	Target detection above rough surfaces in microwave imaging using Compressive Sampling. **2010**,	
1509	Ensemble Discriminant Sparse Projections Applied to Music Genre Classification. **2010**,	5
1508	An improved TV minimization algorithm for incomplete data problem in computer tomography. **2010**,	2
1507	Increasing depth resolution of electron microscopy of neural circuits using sparse tomographic reconstruction. **2010**,	11
1506	Where is randomness needed to break the square-root bottleneck?. **2010**,	1

1505	Quantitative evaluation of Compressed Sensing in MRI: Application to 7T time-of-flight angiography. **2010**,	6
1504	Interference Mitigation for Time of Arrival Estimation. **2010**,	2
1503	A Compressive Sensing Approach to NBI Cancellation in Mobile OFDM Systems. **2010**,	19
1502	. **2010**,	
1501	A smoothed analysis approach to optimization in compressed sensing. **2010**,	
1500	Multi image fusion based on compressive sensing. **2010**,	4
1499	UWB LFM echo signal detection and time-delay estimation based on compressive sensing. **2010**,	6
1498	Compressed sensing using a Gaussian Scale Mixtures model in wavelet domain. **2010**,	28
1497	Compressive video sensing based on user attention model. **2010**,	7
1496	Compressed sensing of different size block-sparse signals: Efficient recovery. **2010**,	0
1495	Improving Undersampled MRI Reconstruction Using Non-local Means. **2010**,	3
1494	Joint Design of Channel-Source Coding for Compressive Sampling Systems. **2010**,	1
1493	optimization and its various thresholds in compressed sensing. **2010**,	4
1492	High resolution radar imaging based on compressed sensing using sparse stepped-frequency signal. **2010**,	
1491	A simple message-passing algorithm for compressed sensing. **2010**,	14
1490	Nonlinear kernel backprojection for computed tomography. **2010**,	2
1489	Compensation of signal with erasures via sparse representation into its significant subspace. **2010**,	
1488	Concentration of measure inequalities for compressive toeplitz matrices with applications to detection and system identification. **2010**,	14

1487 . **2010**, 29

1486 . **2010**, 14

1485 Detecting the defective nodes in wireless sensor networks. **2010**, 1

1484 Sparsity-regularized support vector machine with stationary mixing input sequence. **2010**,

1483 A Digital Demodulation Method for Amplitude Modulated Signal Based on Sub-Nyquist Sampling. **2010**, 0

1482 . **2010**, 3

1481 A l1-norm preserving motion-compensated transform for sparse approximation of image sequences. **2010**,

1480 . **2010**, 3

1479 Compressive sensing SAR imaging with real data. **2010**, 4

1478 Scatter correction for cone-beam computed tomography using moving blocker strips: a preliminary study. **2010**, 37, 5792-800 44

1477 Compressed sensing based cone-beam computed tomography reconstruction with a first-order method. **2010**, 37, 5113-25 179

1476 Pre-filtering Ultra-wideband Channel Estimation Based on Compressed Sensing. **2010**, 3

1475 Bayesian compressed sensing imaging using a Gaussian Scale Mixture. **2010**, 7

1474 The Use of isometric transformations and bayesian estimation in compressive sensing for fMRI classification. **2010**, 2

1473 Towards improving optimization in compressed sensing. **2010**,

1472 Head Pose Estimation Using Sparse Representation. **2010**, 6

1471 Improving SNR with a maximum likelihood compressed sensing decoder for multiplexed PET detectors. **2010**, 6

1470 Compressed-sensing dynamic MR imaging with partially known support. **2010**, 2010, 2829-32 9

1469	. **2010**, 58, 1095-1109	25
1468	Wyner-Ziv coding of image using compressed sensing. **2010**,	
1467	Compressive Sensing for DCT Image. **2010**,	4
1466	State smoothing by sum-of-norms regularization. **2010**,	5
1465	Sparse Solutions of Underdetermined Linear Systems. **2010**, 1243-1259	5
1464	De-ghosting of tomographic images in a radar network with sparse angular sampling. **2010**, 2, 359-367	2
1463	Dimensionality reduction using compressed sensing and its application to a large-scale visual recognition task. **2010**,	2
1462	A novel algorithm for synthetic aperture radar imaging based on compressed sensing. **2010**,	4
1461	Compressed sensing for digital holographic microscopy. **2010**,	1
1460	Ultra-wideband channel estimation based on Bayesian compressive sensing. **2010**,	4
1459	Block-length dependent thresholds for ℓ2/ℓ1-optimization in block-sparse compressed sensing. **2010**,	2
1458	The effects of input signal-to-noise ratio on compressive sensing SAR imaging. **2010**,	4
1457	Cooperative Sensing and Compression in Vehicular Sensor Networks for Urban Monitoring. **2010**,	28
1456	A neurodynamic optimization approach to constrained sparsity maximization based on alternative objective functions. **2010**,	10
1455	Compressed sensing for aperture synthesis imaging. **2010**,	4
1454	Compressive oscillatory patterns sensing in natural images via iterative wave atom thresholding. **2010**,	
1453	Multi-Session Data Gathering with Compressive Sensing for Large-Scale Wireless Sensor Networks. **2010**,	3
1452	Estimation of communication signal strength in robotic networks. **2010**,	53

1451	Compressive sensing with adaptive pixel domain reconstruction for block-based video coding. **2010** ,	6
1450	Separation of system dynamics and line spectra via sparse representation. **2010**,	2
1449	Sparse signal recovery and dynamic update of the underdetermined system. **2010**,	2
1448	An l0 norm based method for frequency estimation from irregularly sampled data. **2010**,	1
1447	Real-time measurement in compressive radar imaging based on AIC. **2010**,	
1446	Sparse reconstruction algorithm for the computerized ionospheric tomography. **2010**,	
1445	Sparse representations and Random Projections for robust and cancelable biometrics. **2010**,	5
1444	Space-Time Turbo Bayesian Compressed Sensing for UWB Systems. **2010**,	6
1443	On compressed blind de-convolution of filtered sparse processes. **2010**,	3
1442	. **2010**,	5
1441	Block-based adaptive compressed sensing for video. **2010**,	15
1440	Rapid face recognition using hashing. **2010**,	31
1439	Generalized Bregman distances and convergence rates for non-convex regularization methods. **2010**, 26, 115014	60
1438	Elastic-Net Regularization: Iterative Algorithms and Asymptotic Behavior of Solutions. **2010**, 31, 1406-1432	4
1437	SART-type image reconstruction from a limited number of projections with the sparsity constraint. **2010**, 2010, 934847	26
1436	A Decentralized Approach for Nonlinear Prediction of Time Series Data in Sensor Networks. **2010**, 2010,	5
1435	Compressed sensing inspired image reconstruction from overlapped projections. **2010**, 2010,	2
1434	Parameters estimation using a random linear array and compressed sensing. **2010**,	7

1433	Identification of multiple hypoxia signatures in neuroblastoma cell lines by l1-l2 regularization and data reduction. **2010**, 2010, 878709	10
1432	Research on passive millimeter wave imaging using compressed sensing architecture. **2010**,	
1431	GAUSS: An NSF CSUMS project at UCF. **2010**,	
1430	Efficient seismic forward modeling using simultaneous random sources and sparsity. **2010**, 75, WB15-WB27	34
1429	Newton Pursuit algorithm for sparse signal reconstruction in compressed sensing. **2010**,	
1428	Efficient large-scale image annotation by probabilistic collaborative multi-label propagation. **2010**,	42
1427	An investigation of 4D cone-beam CT algorithms for slowly rotating scanners. **2010**, 37, 5044-53	63
1426	Feasibility of high temporal resolution breast DCE-MRI using compressed sensing theory. **2010**, 37, 4971-81	49
1425	An application of compressive sensing for image fusion. **2010**,	3
1424	Perfusion measurements by micro-CT using prior image constrained compressed sensing (PICCS): initial phantom results. **2010**, 55, 2333-50	41
1423	Temporal resolution improvement in cardiac CT using PICCS (TRI-PICCS): performance studies. **2010** , 37, 4377-88	55
1422	Data compression based on compressed sensing and wavelet transform. **2010**,	2
1421	Dual energy CT using slow kVp switching acquisition and prior image constrained compressed sensing. **2010**, 55, 6411-29	70
1420	Randomized sampling and sparsity: Getting more information from fewer samples. **2010**, 75, WB173-WB187	105
1419	Improved pediatric MR imaging with compressed sensing. **2010**, 256, 607-16	180
1418	A compressive sensing framework for multirate signal estimation. **2010**,	
1417	Sparse multipath channel estimation using ds algorithm in wideband communication systems. **2010** ,	0
1416	Quantization effects on Compressed Sensing Video. **2010**,	7

1415	Face recognition via robust face representation and compressive sensing. **2010**,	2
1414	Joint Sparsity Model with Matrix Completion for an ensemble of face images. **2010**,	6
1413	Towards Average PerformanceAnalysis. **2010**, 137-151	1
1412	Sparsity-Seeking Methods in Signal Processing. **2010**, 169-184	5
1411	. **2010**,	23
1410	. **2010**,	4
1409	Wireless sensor networks based on compressed sensing. **2010**,	3
1408	UWB Through-Wall Imaging Based on Compressive Sensing. **2010**, 48, 1408-1415	156
1407	Effects of basis-mismatch in compressive sampling of continuous sinusoidal signals. **2010**,	14
1406	A framework for object class recognition with no visual examples. **2010**,	
1405	Sparsity model for robust optical flow estimation at motion discontinuities. **2010**,	26
1404	Linear Programming Algorithms for Sparse Filter Design. **2010**, 58, 1605-1617	79
1403	Multiple-measurement Bayesian compressed sensing using GSM priors for DOA estimation. **2010**,	9
1402	Target estimation using compressive sensing for distributed MIMO radar. **2010**,	3
1401	An Iterative Weighing Algorithm for Image Reconstruction in Compressive Sensing. **2010**,	2
1400	Sparse Channel Estimation for Multicarrier Underwater Acoustic Communication: From Subspace Methods to Compressed Sensing. **2010**, 58, 1708-1721	411
1399	Spatially sparse source cluster modeling by compressive neuromagnetic tomography. **2010**, 53, 146-60	33
1398	Cooperative compressed sensing for wide-band spectrum detection with sequential measurements. **2010**,	2

1397	. **2010**,	
1396	Image reconstruction in optical interferometry. **2010**, 27, 97-109	36
1395	Variational Bayesian Inference Techniques. **2010**,	18
1394	An Improved Smoothed ell^0 Approximation Algorithm for Sparse Representation. **2010**, 58, 2194-2205	47
1393	Computationally Efficient Sparse Bayesian Learning via Belief Propagation. **2010**, 58, 2010-2021	30
1392	Bounds on the Number of Identifiable Outliers in Source Localization by Linear Programming. **2010**, 58, 2884-2895	13
1391	. **2010**, 58, 2935-2952	25
1390	Time-Frequency Energy Distributions Meet Compressed Sensing. **2010**, 58, 2974-2982	150
1389	Decentralized Sparse Signal Recovery for Compressive Sleeping Wireless Sensor Networks. **2010**, 58, 3816-3827	104
1388	Modified-CS: Modifying Compressive Sensing for Problems With Partially Known Support. **2010**, 58, 4595-4607	283
1387	. **2010**, 58, 5396-5400	25
1386	Finger Vein Image Denoising Based on Compressive Sensing. **2010**,	
1385	Statistical mechanics of compressed sensing. **2010**, 104, 188701	44
1384	Challenges and recent advances in IR-UWB system design. **2010**,	22
1383	Analysis of approximate message passing algorithm. **2010**,	20
1382	Variable density compressed image sampling. **2010**, 19, 264-70	108
1381	A novel multiple access scheme via compressed sensing with random data traffic. **2010**, 12, 308-316	5
1380	Compass: a joint framework for Parallel Imaging and Compressive Sensing in MRI. **2010**,	9

1379 Compressive Sensing of Time Series for Human Action Recognition. **2010**, 3

1378 Double overrelaxation thresholding methods for sparse signal reconstruction. **2010**, 9

1377 New trends in SAR tomography. **2010**,

1376 Guaranteed Minimum-Rank Solutions of Linear Matrix Equations via Nuclear Norm Minimization. **2010**, 52, 471-501 1848

1375 Compressive sensing principles and iterative sparse recovery for inverse and ill-posed problems. **2010**, 26, 125012 11

1374 Coherent single-detector imaging system. **2010**, 1

1373 A Compressive Sensing Algorithm for Many-Core Architectures. **2010**, 678-686 1

1372 A calibration system and perturbation analysis for the Modulated Wideband Converter. **2010**, 7

1371 Identification of fluorescent beads using a coded aperture snapshot spectral imager. **2010**, 49, B59-70 21

1370 Object reconstruction from adaptive compressive measurements in feature-specific imaging. **2010**, 49, H27-39 10

1369 Expanding the field of view by polarization multiplexing. **2010**, 49, H40-6

1368 Bayesian Compressive Sensing Via Belief Propagation. **2010**, 58, 269-280 264

1367 A Review on Spectrum Sensing for Cognitive Radio: Challenges and Solutions. **2010**, 2010, 330

1366 A Compressive Sensing Approach to Image Restoration. **2010**, 1

1365 . **2010**, 58, 2405-2409 86

1364 Rapid volumetric OCT image acquisition using compressive sampling. **2010**, 18, 21003-12 42

1363 Compressive SD-OCT: the application of compressed sensing in spectral domain optical coherence tomography. **2010**, 18, 22010-9 65

1362 Compressed sensing with off-axis frequency-shifting holography. **2010**, 35, 871-3 59

1361	High-quality quantum-imaging algorithm and experiment based on compressive sensing. **2010**, 35, 1206-8	29
1360	Bioluminescence tomography based on the phase approximation model. **2010**, 27, 174-9	11
1359	Edge-preserving sectional image reconstruction in optical scanning holography. **2010**, 27, 1630-7	35
1358	Image reconstruction using spectroscopic and hyperspectral information for compressive terahertz imaging. **2010**, 27, 1638-46	26
1357	Multilevel bioluminescence tomography based on radiative transfer equation Part 1: l1 regularization. **2010**, 18, 1854-71	80
1356	A compressive sensing image compression algorithm using quantized DCT and noiselet information. **2010**,	13
1355	Radar echo signal detection with sparse representations. **2010**,	1
1354	Sampling Piecewise Sinusoidal Signals With Finite Rate of Innovation Methods. **2010**, 58, 613-625	102
1353	Cooperative Spectrum Sensing and Locationing: A Sparse Bayesian Learning Approach. **2010**,	10
1352	Centralized collaborative compressed sensing of wideband spectrum for cognitive radios. **2010**,	7
1351	Multichannel blind compressed sensing. **2010**,	5
1350	Compressed sensing MRI with combined sparsifying transforms and smoothed l0 norm minimization. **2010**,	4
1349	Lower Bound Theory of Nonzero Entries in Solutions of ell_2-ell_p Minimization. **2010**, 32, 2832-2852	174
1348	A Fast Algorithm for Sparse Reconstruction Based on Shrinkage, Subspace Optimization, and Continuation. **2010**, 32, 1832-1857	144
1347	A Singular Value Thresholding Algorithm for Matrix Completion. **2010**, 20, 1956-1982	3104
1346	Incremental Subgradients for Constrained Convex Optimization: A Unified Framework and New Methods. **2010**, 20, 1547-1572	27
1345	Compressed Remote Sensing of Sparse Objects. **2010**, 3, 595-618	83
1344	Multiscale Photon-Limited Spectral Image Reconstruction. **2010**, 3, 619-645	21

1343	A Nonlinear PDE-Based Method for Sparse Deconvolution. **2010**, 8, 965-976	1
1342	Improved Bounds on Restricted Isometry Constants for Gaussian Matrices. **2010**, 31, 2882-2898	41
1341	Interior-Point Method for Nuclear Norm Approximation with Application to System Identification. **2010**, 31, 1235-1256	258
1340	Sparse recovery and Kronecker products. **2010**,	6
1339	Xampling: Analog Data Compression. **2010**,	15
1338	Parameter Estimation of LFM Signal with Narrowband Jamming Based on CS. **2010**,	3
1337	Split Bregman Methods and Frame Based Image Restoration. **2010**, 8, 337-369	425
1336	Compressive sensing approach based mapping and localization for mobile robot in an indoor wireless sensor network. **2010**,	8
1335	Application of compressive sensing to sparse channel estimation. **2010**, 48, 164-174	331
1334	Block-Sparse Signals: Uncertainty Relations and Efficient Recovery. **2010**, 58, 3042-3054	741
1333	Data acquisition test platform for non uniformly controlled ADC. **2010**,	1
1332	Bregmanized Nonlocal Regularization for Deconvolution and Sparse Reconstruction. **2010**, 3, 253-276	453
1331	The effect of spatial coupling on compressive sensing. **2010**,	51
1330	Superresolution Imaging Revisited. **2010**, 163, 165-218	11
1329	Fast and accurate reconstruction of HARDI data using compressed sensing. **2010**, 13, 607-14	14
1328	Space-Time Bayesian Compressed Spectrum Sensing for Wideband Cognitive Radio Networks. **2010**,	11
1327	Denoising in fluorescence microscopy using compressed sensing with multiple reconstructions and non-local merging. **2010**, 2010, 3394-7	5
1326	Network Tomography via Compressed Sensing. **2010**,	30

1325	Sample complexity for 1-bit compressed sensing and sparse classification. **2010**,	35
1324	The Compressive Sensing Based on Biorthogonal Wavelet Basis. **2010**,	1
1323	Research on millimeter-wave image denoising method based on contourlet and compressed sensing. **2010**,	3
1322	Novel hardware architecture of sparse recovery based on FPGAs. **2010**,	6
1321	. **2010**,	15
1320	Compressive radar imaging using white stochastic waveforms. **2010**,	9
1319	Trajectory generation using sum-of-norms regularization. **2010**,	11
1318	. **2010**,	34
1317	The image compression research on the preprocessing technology of lifting wavelet transform. **2010**,	0
1316	Hyperspectral reconstruction in biomedical imaging using terahertz systems. **2010**,	2
1315	A new method for facial expression recognition based on sparse representation plus LBP. **2010**,	29
1314	Combined sparsifying transforms for compressed sensing MRI. **2010**, 46, 121	40
1313	Sectional image reconstruction in optical scanning holography using compressed sensing. **2010**,	2
1312	CoSaMP. **2010**, 53, 93-100	239
1311	Compressed sensing of ultrasound images: Sampling of spatial and frequency domains. **2010**,	31
1310	SAR tomographic focusing by Compressive Sampling: Experiments on real data. **2010**,	1
1309	WSN-Control: Signal reconstruction through Compressive Sensing in Wireless Sensor Networks. **2010**,	5
1308	Compressive detection for wide-band spectrum sensing. **2010**,	30

1307	Compressed video sensing using adaptive sampling rate. **2010**,	1
1306	4D computed tomography reconstruction from few-projection data via temporal non-local regularization. **2010**, 13, 143-50	29
1305	Compressive sensing of image reconstruction using multi-wavelet transforms. **2010**,	2
1304	OFDM radar waveform design for sparsity-based multi-target tracking. **2010**,	4
1303	Lossy Audio Compression via Compressed Sensing. **2010**,	0
1302	Discriminative K-SVD for dictionary learning in face recognition. **2010**,	632
1301	SAR Imaging of Moving Targets via Compressive Sensing. **2010**,	2
1300	. **2010**,	6
1299	A Novel Multiple Access Scheme via Compressed Sensing with Random Data Traffic. **2010**,	3
1298	3D Compressed sensing ultrasound imaging. **2010**,	10
1297	Spatial Correlation-Based Distributed Compressed Sensing in Wireless Sensor Networks. **2010**,	8
1296	Statistical mechanical analysis of compressed sensing utilizing correlated compression matrix. **2010** ,	3
1295	Sparsity enhanced fast subsurface imaging with GPR. **2010**,	1
1294	Sparsity-regularized photon-limited imaging. **2010**,	5
1293	Distributed Compressive Hyperspectral Image Sensing. **2010**,	3
1292	Energy detectors for sparse signals. **2010**,	2
1291	MOSAICS: Multiplexed optimal signal acquisition involving compressed sensing. **2010**,	3
1290	Compressed sensing moving target detection for MIMO radar with widely spaced antennas. **2010**,	1

1289	Tree-Structured Compressive Sensing With Variational Bayesian Analysis. **2010**, 17, 233-236	105
1288	Minimum subspace approximation property for sparse approximations in finite dimension. **2010**,	
1287	Efficient designs for multiple gene knockdown experiments. **2010**,	
1286	On the LASSO and Dantzig selector equivalence. **2010**,	9
1285	. **2010**,	2
1284	Orthogonal Matching Pursuit based recovery for correlated sources with partially disjoint supports. **2010**,	2
1283	A robust approach for optimization of the measurement matrix in Compressed Sensing. **2010**,	16
1282	Compressed sensing on ambiguity function domain for high resolution detection. **2010**,	
1281	Pilot-aided channel estimation method based on compressed sensing and Kalman filtering in OFDM systems. **2010**,	3
1280	Development and optimization of regularized tomographic reconstruction algorithms utilizing equally-sloped tomography. **2010**, 19, 1259-68	35
1279	Sparse recovery for discrete tomography. **2010**,	
1278	Iterative thresholding compressed sensing MRI based on contourlet transform. **2010**, 18, 737-758	99
1277	Compressed sensing techniques for dynamic resource allocation in wideband cognitive networks. **2010**,	1
1276	Compressive sampling for streaming signals with sparse frequency content. **2010**,	13
1275	Netcompress: Coupling network coding and compressed sensing for efficient data communication in wireless sensor networks. **2010**,	19
1274	Sparse sensing DNA microarray-based biosensor: Is it feasible?. **2010**,	6
1273	Sparse filter correlation model based joint reconstruction in distributed compressive video sensing. **2010**,	1
1272	Efficient Measurement Generation and Pervasive Sparsity for Compressive Data Gathering. **2010**, 9, 3728-3738	142

1271	Compressive sensing for raw RF signals reconstruction in ultrasound. **2010**,	22
1270	An Alternating l_1 Approach to the Compressed Sensing Problem. **2010**, 17, 181-184	18
1269	Bayesian joint recovery of correlated signals in Distributed Compressed Sensing. **2010**,	0
1268	. **2010**,	2
1267	Accelerated parallel magnetic resonance imaging with multi-channel chaotic compressed sensing. **2010**,	3
1266	Compressed Meter Reading for Delay-Sensitive and Secure Load Report in Smart Grid. **2010**,	66
1265	Analysis of required measurement number in compressive sensing. **2010**,	
1264	A novel OFDM channel estimation method based on Kalman filtering and distributed compressed sensing. **2010**,	0
1263	Coding via random convolution. **2010**,	
1262	Complex sparse projections for compressed sensing. **2010**,	0
1261	Cascading Deep Pipelines to Achieve High Throughput in Numerical Reduction Operations. **2010**,	3
1260	Robust face recognition using locally adaptive sparse representation. **2010**,	11
1259	The performance study of facial expression recognition via sparse representation. **2010**,	8
1258	Coherence gradients in adaptive risk estimation. **2010**,	
1257	Finger vein image deblurring reconstruction based on Polak-Ribi□e conjugate Gradient Projection. **2010**,	
1256	Sparse representations for facial expressions recognition via l1 optimization. **2010**,	19
1255	Local vs. global: Indoor multi-robot simultaneous localization and mapping in wireless sensor networks. **2010**,	1
1254	C-DMRC: Compressive Distortion-Minimizing Rate Control for Wireless Multimedia Sensor Networks. **2010**,	9

1253	The method on compression sampling and reconstruction of test signal. **2010**,	
1252	A novel memory-efficient fast algorithm for 2-D compressed sensing. **2010**,	
1251	Cardiac Cine MRI using Compressive Sensing principles. **2010**,	1
1250	Learning the Spectrum via Collaborative Filtering in Cognitive Radio Networks. **2010**,	13
1249	Implementation of greedy algorithms for LTE sparse channel estimation. **2010**,	13
1248	Least-Square Regularized Regression in Compressed Domain. **2010**,	
1247	Phase retrieval of diffraction from highly strained crystals. **2010**, 82,	22
1246	Compressive sampling based differential detection of ultra wideband signals. **2010**,	3
1245	The Convex algebraic geometry of linear inverse problems. **2010**,	27
1244	Compressive Classification of Sparse Signal with Support Vector Machine. **2010**,	
1243	. **2010**,	8
1242	An image reconstruction algorithm based on compressed sensing using conjugate gradient. **2010**,	3
1241	Separate magnitude and phase regularization in MRI with incomplete data: Preliminary results. **2010**,	10
1240	Improved Total Variation-Type Regularization Using Higher Order Edge Detectors. **2010**, 3, 232-251	45
1239	Non-linear mappings for transmission of compressed sensing images. **2010**,	1
1238	Motion Tracking Based on Boolean Compressive Infrared Sampling. **2010**,	1
1237	RIP analysis for quasi-Toeplitz CS matrices. **2010**,	1
1236	Nuclear norm regularization with a low-rank constraint for matrix completion. **2010**, 26, 115009	5

1235	An improved greedy algorithm for signal recovery from random measurements. **2010**,	1
1234	Energy-Efficient Accelerometer Data Transfer for Human Body Movement Studies. **2010**,	12
1233	Rapid FPGA delay characterization using clock synthesis and sparse sampling. **2010**,	13
1232	Compressed Sensing With Quantized Measurements. **2010**, 17, 149-152	181
1231	Hybrid Compressed Sensing of images. **2010**,	1
1230	Reconstruction of sparse signals by minimizing a re-weighted approximate ℓ0-norm in the null space of the measurement matrix. **2010**,	8
1229	Sequential search of available channels in cognitive radios. **2010**,	0
1228	A New Channel Estimation Method Based on Distributed Compressed Sensing. **2010**,	1
1227	. **2010**,	8
1226	Improved compressed sensing MRI with multi-channel data using reweighted l(1) minimization. **2010**, 2010, 875-8	6
1225	Comparison of basis pursuit algorithms for sparse channel estimation in underwater acoustic OFDM. **2010**,	26
1224	Activity based matching in distributed camera networks. **2010**, 19, 2595-613	24
1223	Joint manifolds for data fusion. **2010**, 19, 2580-94	37
1222	Wideband spectrum detection using compressed sampling under fading channel environments. **2010**,	1
1221	Spotlight mode sar image reconstruction by compressed sensing. **2011**,	
1220	Compressive sensing MRI with laplacian sparsifying transform. **2011**,	1
1219	Reduced dimension Vector Quantization encoding method for image compression. **2011**,	1
1218	Compressive-Sensing-Based Approach for NBI Cancellation in MIMO-OFDM. **2011**,	3

1217	Combined compressed sensing and parallel mri compared for uniform and random cartesian undersampling of K-space. **2011**,	3
1216	Model-based compressive diffusion tensor imaging. **2011**,	5
1215	Compressed Sensing for RF Signal Reconstruction in B-model Ultrasound Imaging. **2011**,	0
1214	A Compressive Sensing Reconstruction Algorithm for Trinary and Binary Sparse Signals Using Pre-mapping. **2011**,	1
1213	A Space Target Recognition Method Based on Compressive Sensing. **2011**,	4
1212	Sparse Multi-User Detection for CDMA transmission using greedy algorithms. **2011**,	42
1211	Real-time compressed sensing-based electrocardiogram compression on energy-constrained wireless body sensors. **2011**,	0
1210	A new multiple description image coding scheme based on Compressive Sensing. **2011**,	1
1209	Compressed sensing MRI by two-dimensional wavelet filter banks. **2011**,	4
1208	Distributed sensing of a slowly time-varying sparse spectrum using matrix completion. **2011**,	2
1207	A novel alternative algorithm for limited angle tomography. **2011**,	2
1206	QR Iterative Subspace Identification and Its Application in Image Denoising. **2011**,	
1205	Bursty impulse noise detection by compressed sensing. **2011**,	43
1204	A Compressed Sensing Approach for Array Diagnosis From a Small Set of Near-Field Measurements. **2011**, 59, 2127-2133	94
1203	Compressed sensing for radio interferometric imaging: Review and future direction. **2011**,	1
1202	An Alternate Data Gathering Method Based on Sparse Random Projections. **2011**,	
1201	Nonnegative signal reconstruction from compressive samples via a difference map ECME algorithm. **2011**,	1
1200	Photonics for RF Front Ends. **2011**, 12, 87-95	36

1199 Xampling: Signal Acquisition and Processing in Union of Subspaces. **2011**, 59, 4719-4734 160

1198 Performance Analysis of Sparse Recovery Based on Constrained Minimal Singular Values. **2011**, 59, 5734-5745 29

1197 An analysis of the effect of bit error ratio on signal reconstruction error. **2011**,

1196 Robust support recovery using sparse compressive sensing matrices. **2011**, 15

1195 Compressed Sensing: How Sharp Is the Restricted Isometry Property?. **2011**, 53, 105-125 84

1194 Reconstructing and segmenting hyperspectral images from compressed measurements. **2011**, 2

1193 Waveform optimization for compressive sensing radar imaging. **2011**, 0

1192 Universal MAP estimation in compressed sensing. **2011**, 12

1191 Sparsity penalties in dynamical system estimation. **2011**, 49

1190 Iterative reconstruction algorithms in compressed sensing. **2011**, 2

1189 A Novel Image Compressive Sensing Method Based on Complex Measurements. **2011**, 1

1188 Fast image acquisition in magnetic resonance imaging by chaotic compressed sensing. **2011**, 4

1187 High Resolution Radar Imaging Based on Compressed Sensing and Fast Bayesian Matching Pursuit. **2011**, 1

1186 Compressive Cooperative Sensing and Mapping in Mobile Networks. **2011**, 10, 1769-1784 43

1185 ICI cancellation method for OFDM systems using compressed sensing based channel estimation. **2011**,

1184 Metasample-based sparse representation for tumor classification. **2011**, 8, 1273-82 91

1183 DCT-Compressive sampling applied to speech signals. **2011**, 1

1182 Reduced complexity online sparse signal reconstruction using projections onto weighted balls. **2011**,

1181	Bayesian sparse wideband source reconstruction of Japanese 2011 earthquake. **2011**,	2
1180	Hooke and jeeves algorithm for linear least-square problems in sparse signal reconstruction. **2011**,	
1179	. **2011**,	
1178	Image transmission over the underwater acoustic channel via compressive sensing. **2011**,	11
1177	Identifying bad measurements in compressive sensing. **2011**,	5
1176	Multiplexed Compressed Sensing for general frequency sparse signals. **2011**,	2
1175	Carbon nanotube based multiple spectrum infrared camera. **2011**,	
1174	. **2011**,	
1173	A Non-Reconstruction Method of Compressed Spectrum Sensing. **2011**,	1
1172	Sparse linearized iterative coherence estimation (SLICE) and risk assessment in image analysis. **2011**,	
1171	. **2011**,	
1170	Class dependent compressive-projection principal component analysis for hyperspectral image reconstruction. **2011**,	3
1169	An ℓ_1-algorithm for underdetermined systems and applications. **2011**,	5
1168	High Resolution OFDM Channel Estimation with Low Speed ADC Using Compressive Sensing. **2011**,	8
1167	Adaptive sparsity-aware parameter vector reconstruction with application to compressed sensing. **2011**,	2
1166	A Robust and Compression-Combined Digital Image Encryption Method Based on Compressive Sensing. **2011**,	29
1165	Analysis of MMSE estimation for compressive sensing of block sparse signals. **2011**,	1
1164	Dense disparity estimation from linear measurements. **2011**,	1

1163 Advances in Theory of Compressive Sensing and Applications in Communication. **2011**, 4

1162 Feedback Based Sparse Recovery for Motion Tracking in RF Sensor Networks. **2011**, 5

1161 Sparse decomposition of transformation-invariant signals with continuous basis pursuit. **2011**, 5

1160 Compressive RF sensing using a physical source of entropy. **2011**,

1159 Adaptive Double Threshold Energy Sensing Algorithm Based on Compressed Sensing over Wideband Frequency. **2011**, 0

1158 The novel reconstruction strategy for signals with uncertain dynamic properties. **2011**, 0

1157 Blood velocity estimation using compressed sensing. **2011**, 5

1156 A Threshold-Based Coefficients Cutting Method for Compressive Imaging. **2011**, 0

1155 Application of Compressed Sensing to DRM Channel Estimation. **2011**, 3

1154 Reference-driven MR image reconstruction with sparsity and support constraints. **2011**, 6

1153 Compressed sensing: Doppler ultrasound signal recovery by using non-uniform sampling & random sampling. **2011**, 8

1152 Magnetic resonance image reconstruction using the annihilating filter method. **2011**, 1

1151 An imaging method for MIMO radar with sparse array based on Compressed Sensing. **2011**, 1

1150 The effect of channel resolution on compressed sensing based Ultra-Wideband channel estimation. **2011**,

1149 Energy efficient signal acquisition via compressive sensing in wireless sensor networks. **2011**, 7

1148 Spread spectrum in chaotic compressed sensing with application to MRI. **2011**,

1147 A scalable implementation of sparse approximation on a field programmable analog array. **2011**, 3

1146 Distributed compressed sensing for block-sparse signals. **2011**, 3

1145	Efficient Deterministic Compressed Sensing for Images with Chirps and Reed-Muller Codes. **2011**, 4, 931-953	8
1144	. **2011**,	0
1143	Comparison of reconstruction algorithms in compressed sensing applied to biological imaging. **2011**,	10
1142	Compressive sensing based imaging via Belief Propagation. **2011**,	1
1141	Progressive Quantization of Compressive Sensing Measurements. **2011**,	1
1140	ISAR imaging of uniformly rotating targets via parametric matching pursuit. **2011**,	9
1139	. **2011**,	1
1138	The Block Diagonally-Relaxed Orthogonal Projection Algorithm for Compressed Sensing Based Tomography. **2011**,	1
1137	Channel model-based sensing for indoor ultrasonic location systems. **2011**,	1
1136	3-D geometric signal compression method based on compressed sensing. **2011**,	1
1135	An improved compressive sensing reconstruction algorithm using linear/non-linear mapping. **2011**,	6
1134	A Compressed Sensing Approach for IR-UWB Communication. **2011**,	2
1133	Impact of fading on random access compressed sensing. **2011**,	4
1132	Design of a random access network for compressed sensing. **2011**,	5
1131	Optimizing projection matrix for compressed sensing systems. **2011**,	
1130	Modeling and Generation of Space-Time Correlated Signals for Sensor Network Fields. **2011**,	18
1129	Multi-signal compressed sensing for polarimetric SAR tomography. **2011**,	8
1128	Target Estimation Using Sparse Modeling for Distributed MIMO Radar. **2011**, 59, 5315-5325	126

1127 Multi-energy CT based on a prior rank, intensity and sparsity model (PRISM). **2011**, 27, 139

1126 Density evolution analysis of node-based verification-based algorithms in compressed sensing. **2011**, 1

1125 A comparative study on video coding techniques with compressive sensing. **2011**, 2

1124 Compressed sensing for the multiplexing of PET detectors. **2011**, 10

1123 Incremental Compressive Pattern Classification. **2011**,

1122 Performance evaluation of a wavelet packet-based spectrum estimator for Cognitive Radio applications. **2011**,

1121 Beyond the diffraction limits: Inverse numerical imaging based on transform-domain sparse modeling for phase and amplitude. **2011**,

1120 Image Inpainting Based on Compressed Sensing. **2011**, 317-319, 2254-2257

1119 GPU Implementation of Orthogonal Matching Pursuit for Compressive Sensing. **2011**, 22

1118 Recovery of sparse signals from noisy measurements using an p̄ regularized least-squares algorithm. **2011**, 6

1117 Cooperative spectrum sensing in TV White Spaces: When Cognitive Radio meets Cloud. **2011**, 3

1116 . **2011**, 9

1115 Improving link quality of UWB communication links by means of PSWF-Basis persuit denoising. **2011**, 6

1114 Coherence, Compressive Sensing, and Random Sensor Arrays. **2011**, 53, 28-39 35

1113 Compressive sampling with chaotic dynamical systems. **2011**, 7

1112 Blind Source Separation based on Compressed Sensing. **2011**,

1111 Formulating Binary Compressive Sensing Decoding with Asymmetrical Property. **2011**, 2

1110 Robust principal component analysis?. **2011**, 58, 1-37 3339

1109	Distributed compressive video sensing based on smoothed ℓ0 norm with partially known support. **2011**,	1
1108	An unequally protected Distributed Compressed Video Sensing algorithm. **2011**,	0
1107	The Magic of Nonlocal PeronaMalik Diffusion. **2011**, 18, 533-534	6
1106	Four Encounters with System Identification. **2011**, 17, 449-471	41
1105	Collaborative Spectrum Sensing from Sparse Observations in Cognitive Radio Networks. **2011**, 29, 327-337	114
1104	Optical Analog-to-Digital Conversion System Based on Compressive Sampling. **2011**, 23, 67-69	35
1103	Compressive sensing of the Tohoku-Oki Mw 9.0 earthquake: Frequency-dependent rupture modes. **2011**, 38, n/a-n/a	93
1102	Non-uniform compressive sensing. **2011**,	8
1101	Compressive Sensing Signal Reconstruction by Weighted Median Regression Estimates. **2011**, 59, 2585-2601	40
1100	Look ahead parallel pursuit. **2011**,	3
1099	. **2011**,	1
1098	Medical image reconstruction based on Bayesian compressed sensing. **2011**,	1
1097	Cooperative spectrum sensing: State of the art review. **2011**,	11
1096	Efficient realization of random demodulator-based analog to information converters. **2011**,	8
1095	A compressive sensing method for noise reduction of speech and audio signals. **2011**,	11
1094	A 1GHz-bandwidth CMOS integrator for compressive sensing and RF applications. **2011**,	
1093	Is face recognition really a Compressive Sensing problem?. **2011**,	170
1092	New face representation using Compressive Sensing. **2011**,	1

1091	Compressive sensing imaging with randomized lattice sampling: applications to fast 3D MRI. **2011**, 2011, 3736-9	0
1090	Modulation classification based on bispectrum and sparse representation in cognitive radio. **2011**,	
1089	Beam orientation optimization for intensity modulated radiation therapy using adaptive l(2,1)-minimization. **2011**, 56, 6205-22	32
1088	Compressive sampling for accelerometer signals in structural health monitoring. **2011**, 10, 235-246	88
1087	Reconstruction from a Few Projections by (1)-Minimization of the Haar Transform. **2011**, 27,	28
1086	. **2011**,	2
1085	Music DOA estimation with compressive sensing and/or compressive arrays. **2011**,	3
1084	Facial action unit recognition with sparse representation. **2011**,	52
1083	Frame coherence and sparse signal processing. **2011**,	6
1082	Three-Dimensional SAR Focusing From Multipass Signals Using Compressive Sampling. **2011**, 49, 488-499	174
1081	Sensitivity to Basis Mismatch in Compressed Sensing. **2011**, 59, 2182-2195	567
1080	Sparse Sampling in MRI. **2011**, 319-339	0
1079	Fast Alternating Minimization Method for Compressive Sensing MRI under Wavelet Sparsity and TV Sparsity. **2011**,	4
1078	Fast Compressed Sensing-Based Sparse Multipath Channel Estimation with Smooth L0 Algorithm. **2011**,	4
1077	Sensing Matrix Optimization for Block-Sparse Decoding. **2011**, 59, 4300-4312	108
1076	. **2011**, 59, 5193-5201	30
1075	Hyperspectral Image Classification Using Dictionary-Based Sparse Representation. **2011**, 49, 3973-3985	829
1074	Maximum Frame Rate Video Acquisition Using Adaptive Compressed Sensing. **2011**, 21, 1704-1718	31

1073	New and Improved Johnson□indenstrauss Embeddings via the Restricted Isometry Property. **2011**, 43, 1269-1281	174
1072	Learning Low-Dimensional Signal Models: A Bayesian approach based on incomplete measurements. **2011**, 28,	20
1071	. **2011**, 58, 507-520	66
1070	Sparse Recovery of Nonnegative Signals With Minimal Expansion. **2011**, 59, 196-208	46
1069	. **2011**, 59, 936-952	103
1068	. **2011**, 59, 1895-1901	23
1067	Sparse space codes for multi-antenna systems. **2011**,	1
1066	Energy-Efficient Data Acquisition in Wireless Sensor Networks Using Compressed Sensing. **2011**,	38
1065	CStorage: Distributed Data Storage in Wireless Sensor Networks Employing Compressive Sensing. **2011**,	19
1064	High-Resolution ISAR Imaging With Sparse Stepped-Frequency Waveforms. **2011**, 49, 4630-4651	128
1063	. **2011**, 10, 3020-3031	39
1062	Dual Branch Compressive Sensing for analog signal. **2011**,	
1061	Extended range profiling in stepped-frequency radar with sparse recovery. **2011**,	2
1060	Compressive sensing framework for speech signal synthesis using a hybrid dictionary. **2011**,	7
1059	Quadrature compressive sampling for radar echo signals. **2011**,	3
1058	Combination of spectrum sensing and allocation in cognitive radio networks based on compressive sampling. **2011**,	3
1057	Color demosaicking by local directional interpolation and´nonlocal adaptive thresholding. **2011**, 20, 023016	145
1056	On perturbed steepest descent methods with inexact line search for bilevel convex optimization. **2011**, 60, 991-1008	11

1055	Sparse recovery properties of statistical RIP matrices. **2011**,	7
1054	A Novel Sampling Theorem on the Sphere. **2011**, 59, 5876-5887	183
1053	Method for Preceding Vehicle Type Classification Based on Sparse Representation. **2011**, 2243, 74-80	4
1052	NESTA: A Fast and Accurate First-Order Method for Sparse Recovery. **2011**, 4, 1-39	637
1051	A Low-complexity Video Coding Scheme Based on Compressive Sensing. **2011**,	2
1050	Random projection as dimensionality reduction and its effect on classical target recognition and anomaly detection techniques. **2011**,	
1049	More is less: signal processing and the data deluge. **2011**, 331, 717-9	202
1048	Compressive sensing based video scrambling for privacy protection. **2011**,	10
1047	Research Challenges for Wireless Multimedia Sensor Networks. **2011**, 233-246	16
1046	Edge based wideband sensing for cognitive radio: Algorithm and performance evaluation. **2011**,	13
1045	Multiple event detection in wireless sensor networks using compressed sensing. **2011**,	7
1044	Compressing Encrypted Image Using Compressive Sensing. **2011**,	24
1043	GPU-based iterative cone-beam CT reconstruction using tight frame regularization. **2011**, 56, 3787-807	128
1042	Eye localization through multiscale sparse dictionaries. **2011**,	7
1041	Coupling Forward-Backward with Penalty Schemes and Parallel Splitting for Constrained Variational Inequalities. **2011**, 21, 1251-1274	40
1040	Exploiting compressive sensing theory in the design of sparse arrays. **2011**,	13
1039	Additive character sequences with small alphabets for compressed sensing matrices. **2011**,	6
1038	The integrate-and-fire sampler: A special type of asynchronous □ □modulator. **2011**,	2

1037	Detection performance of Compressive Sensing applied to radar. **2011**,	8
1036	Initial results for compressive sensing in Electronic Support receiver systems. **2011**,	2
1035	A Novel Spectrum Sensing Algorithm Based on Compressive Sensing for Cognitive Radio. **2011**,	3
1034	Compressive System Identification of LTI and LTV ARX models. **2011**,	20
1033	Impulsive noise estimation and cancellation in DSL using compressive sampling. **2011**,	16
1032	Wideband power spectrum sensing using sub-Nyquist sampling. **2011**,	13
1031	K-cluster based reconstruction for Compressive Sensing. **2011**,	
1030	Optimal quantization for compressive sensing under message passing reconstruction. **2011**,	14
1029	Improvement of Gaussian Random Measurement Matrices in Compressed Sensing. **2011**, 301-303, 245-250	3
1028	Metal artifact reduction in x-ray computed tomography (CT) by constrained optimization. **2011**, 38, 701-11	97
1027	Time-series□based prediction of complex oscillator networks via compressive sensing. **2011**, 94, 48006	76
1026	A hybrid compressed sensing algorithm for sparse channel estimation in MIMO OFDM systems. **2011**,	20
1025	2-D geometric signal compression method based on compressed sensing. **2011**,	1
1024	Sparse signal reconstruction with ellipsoid enlargement. **2011**,	
1023	Idempotents et □hantillonnage parcimonieux. **2011**, 349, 1073-1076	1
1022	Code aperture optimization for spectrally agile compressive imaging. **2011**, 28, 2400-13	63
1021	A sequential sampling algorithm that adapts to the uncertain sparsity in signal environment. **2011**,	2
1020	Wideband compressed sensing for cognitive radios. **2011**,	0

1019	Compressed sensing for acoustic response reconstruction: Interpolation of the early part. **2011**,	8
1018	Statistical Compressed Sensing of Gaussian Mixture Models. **2011**, 59, 5842-5858	42
1017	Active illumination single-pixel camera based on compressive sensing. **2011**, 50, 405-14	39
1016	Joint segmentation and reconstruction of hyperspectral data with compressed measurements. **2011**, 50, 4417-35	26
1015	Photon-counting compressive sensing laser radar for 3D imaging. **2011**, 50, 5917-20	98
1014	Cell imaging beyond the diffraction limit using sparse deconvolution spatial light interference microscopy. **2011**, 2, 1815-27	20
1013	Real-time high-speed volumetric imaging using compressive sampling optical coherence tomography. **2011**, 2, 2690-7	39
1012	Compressive multiple view projection incoherent holography. **2011**, 19, 6109-18	46
1011	Beating Nyquist with light: a compressively sampled photonic link. **2011**, 19, 7339-48	58
1010	Iterative reconstruction of projection images from a microlens-based optical detector. **2011**, 19, 11932-43	7
1009	Sparsity based sub-wavelength imaging with partially incoherent light via quadratic compressed sensing. **2011**, 19, 14807-22	103
1008	Off-axis compressed holographic microscopy in low-light conditions. **2011**, 36, 79-81	37
1007	Spectral projected gradient pursuit for compressed sensing. **2011**,	1
1006	. **2011**, 59, 4053-4085	693
1005	Multivariate compressive sensing for image reconstruction in the wavelet domain: using scale mixture models. **2011**, 20, 3483-94	30
1004	Bayesian Compressed Sensing Based Dynamic Joint Spectrum Sensing and Primary User Localization for Dynamic Spectrum Access. **2011**,	2
1003	An investigation on computed tomography image reconstruction with compressed sensing by 1 l norm prior image constraints. **2011**,	
1002	A novel Bayesian Compressed Sensing algorithm using sparse tree representation. **2011**,	

1001	Orthonormal Expansion ell_{1}-Minimization Algorithms for Compressed Sensing. **2011**, 59, 6285-6290	23
1000	Alternating Direction Algorithms for ell_1-Problems in Compressive Sensing. **2011**, 33, 250-278	708
999	Underdetermined Sparse Blind Source Separation of Nonnegative and Partially Overlapped Data. **2011**, 33, 2063-2094	8
998	Velocity ambiguity resolving for moving target indication by compressed sensing. **2011**, 47, 1249	9
997	. **2011**,	228
996	. **2011**, 59, 1505-1517	29
995	High resolution radar imaging based on compressed sensing and adaptive Lp norm algorithm. **2011**,	0
994	Compressed sensing of correlated signals using belief propagation. **2011**,	0
993	Spread spectrum for chaotic compressed sensing techniques in parallel magnetic resonance imaging. **2011**,	
992	Recovering second-order statistics from compressive measurements. **2011**,	26
991	Blind Spectrum Detector for Cognitive Radio Using Compressed Sensing. **2011**,	11
990	Sparse Approximation Property and Stable Recovery of Sparse Signals From Noisy Measurements. **2011**, 59, 5086-5090	22
989	Oil spill sensor using multispectral infrared imaging via ℓ minimization. **2011**,	
988	The effect of channel models on compressed sensing based UWB channel estimation. **2011**,	3
987	Orthonormal expansion ℓ-minimization for compressed sensing in MRI. **2011**,	
986	Signal Recovery in Power-Line Communications Systems Based on the Fractals. **2011**, 26, 1864-1872	8
985	Image compression based on compressed sensing theory and wavelet packet analysis. **2011**,	
984	A First-Order Smoothed Penalty Method for Compressed Sensing. **2011**, 21, 287-313	16

983	Rank-Sparsity Incoherence for Matrix Decomposition. **2011**, 21, 572-596	516
982	Large Scale Bayesian Inference and Experimental Design for Sparse Linear Models. **2011**, 4, 166-199	25
981	Particle Systems and Kinetic Equations Modeling Interacting Agents in High Dimension. **2011**, 9, 1727-1764	5
980	. **2011**,	3
979	Adaptive compressed sensing for sparse signals in noise. **2011**,	6
978	Performance Bounds for Expander-Based Compressed Sensing in Poisson Noise. **2011**, 59, 4139-4153	30
977	Measurement Matrix of Compressive Sensing Based on Gram-Schmidt Orthogonalization. **2011**,	1
976	Finding Structure with Randomness: Probabilistic Algorithms for Constructing Approximate Matrix Decompositions. **2011**, 53, 217-288	1578
975	Compressed channel estimation based on optimized measurement matrix. **2011**,	1
974	Deterministic compressed-sensing matrices: Where Toeplitz meets Golay. **2011**,	7
973	Image reconstruction based on 11 regularization for electrical impedance tomography (EIT). **2011**,	1
972	Compressed sensing based 3D tomographic reconstruction for rotational angiography. **2011**, 14, 97-104	5
971	Input-Feature Correlated Asynchronous Analog to Information Converter for ECG Monitoring. **2011** , 5, 459-67	34
970	Compressive rendering: a rendering application of compressed sensing. **2011**, 17, 487-99	35
969	LINEAR ARRAY SAR IMAGING VIA COMPRESSED SENSING. **2011**, 117, 299-319	31
968	Image reconstruction in optical interferometry: benchmarking the regularization. **2011**, 533, A64	39
967	FPGA BASED REALIZATION OF AIC FOR APPLYING CS TO RADAR. **2011**, 19, 207-222	
966	Efficient minimization for dictionary based sparse representation and signal recovery. **2011**,	

965	Cognitive Radio for Smart Grid: Theory, Algorithms, and Security. **2011**, 2011, 1-14	27
964	Global testing under sparse alternatives: ANOVA, multiple comparisons and the higher criticism. **2011**, 39,	81
963	Image Reconstruction in Optical Interferometry. **2011**,	0
962	Lensfree fluorescent on-chip imaging of transgenic Caenorhabditis elegans over an ultra-wide field-of-view. **2011**, 6, e15955	58
961	Mementos. **2011**, 46, 159-170	13
960	Impact of the a priori channel state information on the performance of OFDM systems. **2011**,	
959	Identification of Piecewise Affine Systems Using Sum-of-Norms Regularization. **2011**, 44, 6640-6645	5
958	Design of Structured Static Output Feedback Controllers. **2011**, 44, 271-276	5
957	□-System Gain and □-Optimal Control. **2011**, 44, 9230-9235	8
956	On Sparsity as a Criterion in Reconstructing Biochemical Networks. **2011**, 44, 11672-11678	6
955	Noisy Sparse Recovery Based on Parameterized Quadratic Programming by Thresholding. **2011**, 2011,	1
954	Decentralized Turbo Bayesian Compressed Sensing with Application to UWB Systems. **2011**, 2011,	5
953	Compressive sampling of natural images using bandelet basis. **2011**,	1
952	Segmentation of time series from nonlinear dynamical systems. **2011**, 44, 13209-13214	3
951	Image reconstruction of sparse fan-beam projections using a hybrid algorithm. **2011**,	
950	Cross Low-Dimension Pursuit for Sparse Signal Recovery from Incomplete Measurements Based on Permuted Block Diagonal Matrix. **2011**, E94-A, 1793-1803	1
949	Sub-Nyquist acquisition and constrained reconstruction in time resolved angiography. **2011**, 38, 2975-85	19
948	Is there always extra bandwidth in non-uniform spatial sampling?. **2011**,	

947	Compressed Sensing: When Sparsity Meets Sampling **2011**, 507-527	2
946	Sensor Selection via Compressed Sensing. **2011**, 44, 7785-7790	
945	Trajectory-based model reduction of nonlinear biochemical networks employing the observability normal form*. **2011**, 44, 10442-10447	1
944	The application of compressive sampling to radio astronomy. **2011**, 531, A126	29
943	Computational Plenoptic Imaging. **2011**, 30, 2397-2426	53
942	Recovery of seismic wavefields based on compressive sensing by an l1-norm constrained trust region method and the piecewise random subsampling. **2011**, 187, 199-213	49
941	Compressed sensing for wide-field radio interferometric imaging. **2011**, 413, 1318-1332	37
940	Efficient MR image reconstruction for compressed MR imaging. **2011**, 15, 670-9	227
939	Joint reconstruction of multiecho MR images using correlated sparsity. **2011**, 29, 899-906	35
938	Wavelet-based edge correlation incorporated iterative reconstruction for undersampled MRI. **2011**, 29, 907-15	10
937	Image reconstruction by an alternating minimisation. **2011**, 74, 661-670	13
936	Scheme for radiography/tomography with a low-brilliance neutron source at the CPHS. **2011**, 651, 32-35	7
935	Augmented Lagrangian based reconstruction of non-uniformly sub-Nyquist sampled MRI data. **2011**, 91, 2731-2742	29
934	Cooperative spectrum sensing in cognitive radio networks: A survey. **2011**, 4, 40-62	1170
933	Probabilistic greedy pursuit for streaming compressed spectrum sensing. **2011**, 18, 15-21	1
932	Random projection method for ultra wideband signal acquisition. **2011**, 18, 14-21	1
931	Efficient fusion for infrared and visible images based on compressive sensing principle. **2011**, 5, 141	50
930	Joint Dynamic Resource Allocation and Waveform Adaptation for Cognitive Networks. **2011**, 29, 443-454	18

929	Random Access Compressed Sensing for Energy-Efficient Underwater Sensor Networks. **2011**, 29, 1660-1670	108
928	A Review of Adaptive Image Representations. **2011**, 5, 896-911	33
927	Sparse Signal Recovery With Temporally Correlated Source Vectors Using Sparse Bayesian Learning. **2011**, 5, 912-926	485
926	. **2011**, 5, 927-932	78
925	ISAR Imaging via Sparse Probing Frequencies. **2011**, 8, 451-455	57
924	A Novel Modulation-Sensing Method. **2011**, 6, 60-69	19
923	Cognitive Radio Network for the Smart Grid: Experimental System Architecture, Control Algorithms, Security, and Microgrid Testbed. **2011**, 2, 724-740	104
922	. **2011**, 47, 848-863	5
921	. **2011**, 47, 1754-1769	45
920	Single-Channel and Multi-Channel Sinusoidal Audio Coding Using Compressed Sensing. **2011**, 19, 1382-1395	23
919	Compressed sensing for real-time energy-efficient ECG compression on wireless body sensor nodes. **2011**, 58, 2456-66	476
918	Information Theoretical and Algorithmic Approaches to Quantized Compressive Sensing. **2011**, 59, 1857-1866	45
917	. **2011**, 59, 1840-1845	7
916	Watermarking With Flexible Self-Recovery Quality Based on Compressive Sensing and Compositive Reconstruction. **2011**, 6, 1223-1232	94
915	. **2011**, 60, 126-136	34
914	. **2011**, 60, 2848-2860	47
913	. **2011**, 60, 3128-3139	10
912	High-resolution imaging via moving random exposure and its simulation. **2011**, 20, 276-82	12

911	Fast sparse image reconstruction using adaptive nonlinear filtering. **2011**, 20, 534-44		17
910	Total variation projection with first order schemes. **2011**, 20, 657-69		64
909	Compressive sensing SAR image reconstruction based on Bayesian framework and evolutionary computation. **2011**, 20, 1904-11		28
908	Hybrid diversification operator-based evolutionary approach towards tomographic image reconstruction. **2011**, 20, 1977-90		5
907	Image deblurring and super-resolution by adaptive sparse domain selection and adaptive regularization. **2011**, 20, 1838-57		845
906	Fast transforms for acoustic imaging--part II: applications. **2011**, 20, 2241-7		5
905	Fast transforms for acoustic imaging--part I: theory. **2011**, 20, 2229-40		6
904	DART: a practical reconstruction algorithm for discrete tomography. **2011**, 20, 2542-53		207
903	. *IEEE Transactions on Information Theory*, **2011**, 57, 1567-1586	2.8	16
902	Recovering Low-Rank Matrices From Few Coefficients in Any Basis. *IEEE Transactions on Information Theory*, **2011**, 57, 1548-1566	2.8	477
901	. *IEEE Transactions on Information Theory*, **2011**, 57, 2360-2370	2.8	106
900	Source Coding With a Side Information “Vending Machine”. *IEEE Transactions on Information Theory*, **2011**, 57, 4530-4544	2.8	28
899	Group Testing With Probabilistic Tests: Theory, Design and Application. *IEEE Transactions on Information Theory*, **2011**, 57, 7057-7067	2.8	63
898	Rewiring” Filterbanks for Local Fourier Analysis: Theory and Practice. *IEEE Transactions on Information Theory*, **2011**, 57, 5360-5374	2.8	6
897	. *IEEE Transactions on Information Theory*, **2011**, 57, 7255-7278	2.8	37
896	Optimally Sparse Frames. *IEEE Transactions on Information Theory*, **2011**, 57, 7279-7287	2.8	35
895	. *IEEE Transactions on Information Theory*, **2011**, 57, 7235-7254	2.8	348
894	Latent Variable Bayesian Models for Promoting Sparsity. *IEEE Transactions on Information Theory*, **2011**, 57, 6236-6255	2.8	157

893	. *IEEE Transactions on Information Theory*, **2011**, 57, 7818-7839	2.8	17
892	. *IEEE Transactions on Information Theory*, **2011**, 57, 6619-6632	2.8	9
891	Blind Compressed Sensing. *IEEE Transactions on Information Theory*, **2011**, 57, 6958-6975	2.8	146
890	Precise Stability Phase Transitions for ell_1 Minimization: A Unified Geometric Framework. *IEEE Transactions on Information Theory*, **2011**, 57, 6894-6919	2.8	21
889	. *IEEE Transactions on Information Theory*, **2011**, 57, 7288-7306	2.8	13
888	. *IEEE Transactions on Information Theory*, **2011**, 57, 7893-7906	2.8	31
887	. *IEEE Transactions on Information Theory*, **2011**, 57, 7840-7855	2.8	5
886	A Compressed Sensing Approach for Modeling the Super-Resolution Near-Field Structure Disc System With a Sparse Volterra Filter. **2011**, 47, 576-580		6
885	A fast compressed sensing approach to 3D MR image reconstruction. **2011**, 30, 1064-75		39
884	Compressed-sensing MRI with random encoding. **2011**, 30, 893-903		156
883	Compressed sensing with wavelet domain dependencies for coronary MRI: a retrospective study. **2011**, 30, 1090-9		36
882	Algorithm-enabled low-dose micro-CT imaging. **2011**, 30, 606-20		94
881	MR image reconstruction from highly undersampled k-space data by dictionary learning. **2011**, 30, 1028-41		597
880	A data-driven sparse GLM for fMRI analysis using sparse dictionary learning with MDL criterion. **2011**, 30, 1076-89		116
879	Statistical interior tomography. **2011**, 30, 1116-28		65
878	Compressive diffuse optical tomography: noniterative exact reconstruction using joint sparsity. **2011**, 30, 1129-42		60
877	TRIO a technique for reconstruction using intensity order: application to undersampled MRI. **2011**, 30, 1566-76		3
876	Sparse brain network recovery under compressed sensing. **2011**, 30, 1154-65		112

875 Compressive sensing for biomedical imaging. **2011**, 30, 1013-6 28

874 Secure and Robust Iris Recognition Using Random Projections and Sparse Representations. **2011**, 33, 1877-93 222

873 Joint time-frequency sparse estimation of large-scale network traffic. **2011**, 55, 3533-3547 82

872 A robust and efficient algorithm for distributed compressed sensing. **2011**, 37, 916-926 6

871 Composite splitting algorithms for convex optimization. **2011**, 115, 1610-1622 60

870 The residual method for regularizing ill-posed problems. **2011**, 218, 2693-2710 24

869 Image decoding optimization based on compressive sensing. **2011**, 236, 812-818 1

868 Three-dimensional morphology of iron oxide nanoparticles with reactive concave surfaces. A compressed sensing-electron tomography (CS-ET) approach. **2011**, 11, 4666-73 133

867 . **2011**, 28, 98-124 113

866 New directions in X-ray microscopy. **2011**, 52, 293-318 90

865 . **2011**, 19

864 Partitioned compressive sensing with neighbor-weighted decoding. **2011**, 7

863 Unequal compressive imaging. **2011**, 1

862 Joint wideband spectrum sensing in frequency overlapping cognitive radio networks using distributed compressive sensing. **2011**, 2

861 . **2011**, 3

860 Cooperative wideband spectrum sensing based on sequential compressed sensing. **2011**, 28, 313-319

859 A distributed compressed sensing approach for speech signal denoising. **2011**, 28, 509-517 2

858 A novel audio signal acquisition method for wireless sensor networks. **2011**,

857	An inverse problem in reaction kinetics. **2011**, 49, 1507-1520	5
856	A Unified Primal-Dual Algorithm Framework Based on Bregman Iteration. **2011**, 46, 20-46	258
855	A coordinate gradient descent method for □1-regularized convex minimization. **2011**, 48, 273-307	64
854	SpicyMKL: a fast algorithm for Multiple Kernel Learning with thousands of kernels. **2011**, 85, 77-108	40
853	Two-dimensional digital filters with sparse coefficients. **2011**, 22, 173-189	28
852	3D face recognition based on sparse representation. **2011**, 58, 84-95	10
851	Fixed point and Bregman iterative methods for matrix rank minimization. **2011**, 128, 321-353	549
850	Null space conditions and thresholds for rank minimization. **2011**, 127, 175-202	68
849	Nuclear norm minimization for the planted clique and biclique problems. **2011**, 129, 69-89	41
848	Convergence of Fixed-Point Continuation Algorithms for Matrix Rank Minimization. **2011**, 11, 183-210	69
847	Compressive Wave Computation. **2011**, 11, 257-303	4
846	On the Existence of Optimal Unions of Subspaces for Data Modeling and Clustering. **2011**, 11, 363-379	10
845	Sparse fusion frames: existence and construction. **2011**, 35, 1-31	33
844	Accelerating multi-echo T2 weighted MR imaging: analysis prior group-sparse optimization. **2011**, 210, 90-7	40
843	Recent advances in diffusion MRI modeling: Angular and radial reconstruction. **2011**, 15, 369-96	77
842	Approximation of frame based missing data recovery. **2011**, 31, 185-204	6
841	Spectral Dynamics and Regularization of Incompletely and Irregularly Measured Data. **2011**, 19, 181-197	
840	Generating dense and super-resolution ISAR image by combining bandwidth extrapolation and compressive sensing. **2011**, 54, 2158-2169	11

839	Group sparse representation for image categorization and semantic video retrieval. **2011**, 54, 2051-2063	7
838	MRI image segmentation based on fast kernel clustering analysis. **2011**, 6, 363-373	4
837	K-cluster-valued compressive sensing for imaging. **2011**, 2011,	3
836	Open-target sparse sensing of biological agents using DNA microarray. **2011**, 12, 314	1
835	Compressed image sensing with components regularization based on Bregman iteration. **2011**, 18, 114-119	4
834	Accelerated noncontrast-enhanced pulmonary vein MRA with distributed compressed sensing. **2011**, 33, 1248-55	23
833	Three-dimensional late gadolinium enhancement imaging of the left atrium with a hybrid radial acquisition and compressed sensing. **2011**, 34, 1465-71	26
832	Prior estimate-based compressed sensing in parallel MRI. **2011**, 65, 83-95	35
831	Second order total generalized variation (TGV) for MRI. **2011**, 65, 480-91	390
830	Regularized iterative reconstruction for undersampled BLADE and its applications in three-point Dixon water-fat separation. **2011**, 65, 1314-25	11
829	Sensitivity encoding reconstruction with nonlocal total variation regularization. **2011**, 65, 1384-92	73
828	Interleaved variable density sampling with a constrained parallel imaging reconstruction for dynamic contrast-enhanced MR angiography. **2011**, 66, 428-36	19
827	Low-dimensional-structure self-learning and thresholding: regularization beyond compressed sensing for MRI reconstruction. **2011**, 66, 756-67	100
826	Sparse-CAPR: highly accelerated 4D CE-MRA with parallel imaging and nonconvex compressive sensing. **2011**, 66, 1019-32	34
825	Accelerated diffusion spectrum imaging in the human brain using compressed sensing. **2011**, 66, 1226-33	98
824	Necessary and sufficient conditions for linear convergence of ℓ1-regularization. **2011**, 64, 161-182	72
823	Accelerated NMR Spectroscopy by Using Compressed Sensing. **2011**, 123, 5670-5673	42
822	Fast Multidimensional NMR Spectroscopy Using Compressed Sensing. **2011**, 123, 6678-6681	31

821	Accelerated NMR spectroscopy by using compressed sensing. **2011**, 50, 5556-9	353
820	Fast multidimensional NMR spectroscopy using compressed sensing. **2011**, 50, 6548-51	197
819	Reconstruction of compressed samples in shift-invariant space base on matrix factorization. **2011**, 37, 311-318	
818	Generalized reconstruction algorithm for compressed sensing. **2011**, 37, 570-588	10
817	Compressed sensing with coherent and redundant dictionaries. **2011**, 31, 59-73	501
816	Inferring stable genetic networks from steady-state data. **2011**, 47, 1113-1122	43
815	Probability of unique integer solution to a system of linear equations. **2011**, 214, 27-30	35
814	An algorithm for sparse MRI reconstruction by Schatten p-norm minimization. **2011**, 29, 408-17	70
813	Non-smooth equations based method for ℓ1-norm problems with applications to compressed sensing. **2011**, 74, 3570-3577	66
812	Exploiting the speckle noise for compressive imaging. **2011**, 284, 3939-3945	2
811	Estimation of the parameters in regularized simultaneous super-resolution. **2011**, 32, 69-78	10
810	Compressed sensing and the reconstruction of ultrafast 2D NMR data: Principles and biomolecular applications. **2011**, 209, 352-8	48
809	Reconstruction of complete connectivity matrix for connectomics by sampling neural connectivity with fluorescent synaptic markers. **2011**, 196, 289-302	7
808	On uncertainty principles in the finite dimensional setting. **2011**, 435, 751-768	15
807	Optimization for limited angle tomography in medical image processing. **2011**, 44, 2427-2435	25
806	Deterministic sampling of sparse trigonometric polynomials. **2011**, 27, 133-140	18
805	A non-adapted sparse approximation of PDEs with stochastic inputs. **2011**, 230, 3015-3034	294
804	Fast optimization for multichannel total variation minimization with non-quadratic fidelity. **2011**, 91, 1933-1940	3

803 Compressive auto-indexing in femtosecond nanocrystallography. **2011**, 111, 807-11 6

802 Exact optimization for the . **2011**, 412, 1325-1337

801 COMPRESSED SENSING BY ITERATIVE THRESHOLDING OF GEOMETRIC WAVELETS: A COMPARING STUDY. **2011**, 09, 63-77 6

800 Photo stream alignment for collaborative photo collection and sharing in social media. **2011**, 5

799 . **2011**,

798 Fast gradient-based algorithm for total variation regularized tomography reconstruction. **2011**, 1

797 Illumination decomposition for material recoloring with consistent interreflections. **2011**, 30, 1-10 37

796 Dynamic texture reconstruction from sparse codes for unusual event detection in crowded scenes. **2011**, 19

795 Reproducing Kernel Banach Spaces with the ℓ1 Norm II: Error Analysis for Regularized Least Square Regression. **2011**, 23, 2713-2729 17

794 Illumination decomposition for material recoloring with consistent interreflections. **2011**, 7

793 Image reconstruction from compressed linear measurements with side information. **2011**, 2

792 Four-dimensional MR cardiovascular imaging: method and applications. **2011**, 2011, 3732-5 7

791 A sparse representation approach for local feature based expression recognition. **2011**, 4

790 Image reconstruction from limited angle projections collected by multisource interior x-ray imaging systems. **2011**, 56, 6337-57 21

789 High resolution approach for phase based TOF ranging using compressive sampling. **2011**, 4

788 Secrecy using compressive sensing. **2011**, 34

787 Predicting catastrophes in nonlinear dynamical systems by compressive sensing. **2011**, 106, 154101 202

786 Diffusion Wavelets-Based Analysis on Traffic Matrices. **2011**, 4

785	Compressive sensing image recovery based on equalization quantization noise model. **2011**,	0
784	Illumination sensing using sparse modeling. **2011**,	1
783	Entropic uncertainty relations in multidimensional position and momentum spaces. **2011**, 83,	22
782	Frequency detection from multiplexed compressed sensing of noisy signals. **2011**,	
781	Data Efficient Digital Micromirror Device-Based Image Edge Detection Sensor Using Space-Time Processing. **2011**,	1
780	A constrained, total-variation minimization algorithm for low-intensity x-ray CT. **2011**, 38 Suppl 1, S117	66
779	. **2011**,	5
778	Manifold based Sparse Representation for robust expression recognition without neutral subtraction. **2011**,	25
777	C-HiLasso: A Collaborative Hierarchical Sparse Modeling Framework. **2011**, 59, 4183-4198	107
776	Generic sensing hardware and real-time reconstruction for structured analog signals. **2011**,	8
775	Iterative image formation using fast (Re/Back)-projection for spotlight-mode SAR. **2011**,	13
774	Application of barrier algorithm in signal reconstruction via compressive sampling. **2011**,	
773	Training over sparse multipath channels in the low SNR regime. **2011**,	
772	Tomographic reconstruction of incompressible flow. **2011**, 82, 055115	1
771	Sparse Representations, Compressive Sensing and dictionaries for pattern recognition. **2011**,	36
770	Backtracking-Based Matching Pursuit Method for Sparse Signal Reconstruction. **2011**, 18, 391-394	62
769	Separation-Based Joint Decoding in Compressive Sensing. **2011**,	1
768	Application of 1 inversion to underwater acoustic signal processing. **2011**,	

767	Video retrieval using sparse Bayesian reconstruction. **2011**,	2
766	A novel autofocusing algorithm for ISAR imaging based on sparsity-driven optimization. **2011**,	
765	Minimum complexity pursuit. **2011**,	7
764	. **2011**,	11
763	Video rate Atomic Force Microscopy (AFM) imaging using compressive sensing. **2011**,	19
762	. **2011**,	3
761	Compressive sensing for sense-through-wall UWB noise radar signal. **2011**,	
760	Third-Order Cumulants Reconstruction from Compressive Measurements. **2020**,	
759	NN-based Support Detection of Sparse Signals. **2020**,	
758	Thresholded Wirtinger Flow for Fast Millimeter Wave Beam Alignment. **2020**,	
757	Edge Detection and Compressive Sensing-Oriented Digital Image Block Watermarking Algorithm. **2020**,	0
756	Hyperspectral Imaging Based on Compressive Sensing: Determining Cancer Margins in Human Pancreatic Tissue <i>ex Vivo</i>, a Pilot Study. **2021**, 11, 115-131	1
755	Adaptive Measurement and Decoding of Frequency-Hopping Spread Spectrum Signals Based on Knowledge Enhanced Compressed Sensing. **2021**, 1-1	
754	Fast Real-Time Cardiac MRI: a Review of Current Techniques and Future Directions. **2021**, 25, 252	1
753	An Algorithm Solving Compressive Sensing Problem Based on Maximal Monotone Operators. **2021**, 43, A4067-A4094	
752	Huberization Image Restoration Model from Incomplete Multiplicative Noisy Data. **2021**, 145-162	
751	Auto-NAHL: A Neural Network Approach for Condition-Based Maintenance of Complex Industrial Systems. **2021**, 9, 152829-152840	2
750	Left-invertibility under sparse assumption: the linear case. **2021**,	

749	Multi-Contrast CSMRI Using Common Edge Structures with LiGME Model. **2021**,		
748	VAMP with Individual Variances and Sequential Processing for Compressed Sensing. **2021**,		1
747	Image Reconstruction via Compressed Sensing. **2021**,		
746	On Data Compression and Recovery for Sequences Using Constraints on the Spectrum Range. **2021**, 57, 368-372		0
745	Development of Low Rank Sparse Matrix Decomposition for Improving Spatial and Temporal Resolutions of MRI Medical Data. **2021**,		
744	Effective Very-wide-area 3D ToF Sensing. **2021**,		1
743	A General Framework for the Design of Compressive Sensing using Density Evolution. **2021**,		
742	Modulated Wideband Converter Compressed Sensing Spectrum Reconstruction in Multi-Level Power of Transmitters Signal Scenarios. **2021**,		
741	Calibration of Analog to Information Converter based Sampling System. **2021**,		0
740	Comb Jamming Mitigation in Frequency Hopping Spread Spectrum Communications Via Aid Block Sparse Bayesian Learning. **2021**,		
739	Edge computing SoC implementation of compressive sensing algorithm for single-pixel cameras. **2021**,		0
738	Laplacian Filter in Reconstruction of Images using Gradient-Based Algorithm. **2021**,		
737	Optimal Convergence Rates for the Orthogonal Greedy Algorithm. *IEEE Transactions on Information Theory*, **2022**, 1-1	2.8	2
736	Adaptive submodular inverse reinforcement learning for spatial search and map exploration. **2022**, 46, 321		0
735	Balancing Energy Consumption for Clustered Wireless Sensor Networks Utilizing Compressed Sensing. **2022**, 213-226		
734	Combining convolutional sparse coding with total variation for sparse-view CT reconstruction.. **2022**, 61, C116-C124		0
733	Imaging atomic-scale chemistry from fused multi-modal electron microscopy. **2022**, 8,		1
732	Improved Measurement Matrix Construction with Pseudo-Random Sequence in Compressed Sensing. **2022**, 123, 3003		

731	Block-Sparse Signal Recovery via General Total Variation Regularized Sparse Bayesian Learning. **2022**, 1-1	0
730	Image Stripe Noise Removal Based on Compressed Sensing.	0
729	Iterative self-consistent parallel magnetic resonance imaging reconstruction based on nonlocal low-rank regularization.. **2022**, 88, 62-75	
728	Compressed Sensing MRI Reconstruction Using Convolutional Dictionary Learning and Laplacian Prior. **2022**, 661-669	
727	Programming with equadratures: an open-source package for uncertainty quantification, dimension reduction, and optimisation. **2022**,	
726	Earth Observation via Compressive Sensing: The Effect of Satellite Motion. **2022**, 14, 333	1
725	Target-Oriented SAR Imaging for SCR improvement via Deep MF-ADMM-Net. **2022**, 1-1	4
724	Simulated Annealing-Based Image Reconstruction for Patients With COVID-19 as a Model for Ultralow-Dose Computed Tomography.. **2021**, 12, 737233	
723	Compressive Hyperspectral Microscopy of Scattering and Fluorescence of Nanoparticles. **2022**, 126, 2614-2626	1
722	A Planar Acoustic Field Reconstruction Method Based on Fast Wave Superposition Spectrum and Sparse Sampling. **2022**, 2022, 1-12	
721	Low rank matrix recovery with adversarial sparse noise*. **2022**, 38, 035001	
720	Spatial compressive imaging deep learning framework using joint input of multi-frame measurements and degraded maps.. **2022**, 30, 1235-1248	3
719	Single point imaging with radial acquisition and compressed sensing.. **2022**,	0
718	Group-Based Sparse Representation for Compressed Sensing Image Reconstruction with Joint Regularization. **2022**, 11, 182	1
717	Cryptanalysis and Improvement of Novel Image Encryption Technique Using Hybrid Method of Discrete Dynamical Chaotic Maps and Brownian Motion. **2022**, 81, 6571	2
716	Centralized And Decentralized Active User Detection And Channel Estimation in mMTC. **2022**, 1-1	1
715	From ESPRIT to ESPIRA: estimation of signal parameters by iterative rational approximation.	0
714	Sampling-based imaging model for fast source and mask optimization in immersion lithography.. **2022**, 61, 523-531	1

713	Wavefront reconstruction method for aero-optical distortion based on compressed sensing.. **2022**, 39, 250-258	
712	Evaluation of Objective Distortion Measures for Automatic Quality Assessment of Processed PPG Signals for Real-Time Health Monitoring Devices. **2022**, 10, 15707-15745	3
711	Momentum computed tomography of low-energy charged particles produced in collisional reactions. **2022**, 511, 123-142	
710	Real space in cryo-EM: the future is local.. **2022**, 78, 136-143	0
709	Real-time X-ray imaging of mouse cerebral microvessels in vivo using a pixel temporal averaging method.. **2022**, 29, 239-246	
708	Fundamental and Trend of Tomographic Image Reconstruction: from Analytical Reconstruction Method, through Compressed Sensing, to Deep Learning. **2022**, 61, 7-14	
707	Adaptive Rate Block Compressive Sensing Based on Statistical Characteristics Estimation.. **2022**, 31, 734-747	2
706	An improved measurement matrix of compressed sensing for synthetic aperture ultrasound imaging. **2022**, 188, 108592	
705	Millimeter Wave Beam Prediction Based on Compressed Sensing Features at Sub-6´GHz. **2022**, 1225-1237	
704	Improved unitary uncertainty relations. **2022**, 21, 1	
703	Simultaneous imaging of sound propagations and spatial distribution of acoustic frequencies.. **2022**, 61, B246-B254	0
702	Wideband sparse signal acquisition with ultrahigh sampling compression ratio based on continuous-time photonic time stretch and photonic compressive sampling.. **2022**, 61, 1344-1348	1
701	Some results on OMP algorithm for MMV problem.	0
700	Integration of Super-Resolution ISAR Imaging and Fine Motion Compensation for Complex Maneuvering Ship Targets Under High Sea State. **2022**, 1-1	2
699	Single photonic integrated circuit imaging system with a 2D lens array arrangement.. **2022**, 30, 4905-4918	0
698	Combining deep learning with SUPPOSe and compressed sensing for SNR-enhanced localization of overlapping emitters.. **2022**, 61, D39-D49	0
697	Adaptive AFM imaging based on object detection using compressive sensing.. **2022**, 154, 103197	1
696	Accelerated noncontact guided wave array imaging via sparse array data reconstruction.. **2022**, 121, 106672	1

695 Total variation regularized nonlocal low-rank tensor train for spectral compressive imaging. **2022**, 195, 108464 2

694 Four-dimensional compressed spectropolarimetric imaging. **2022**, 195, 108437

693 Spatial Correlation Aware Compressed Sensing for User Activity Detection and Channel Estimation in Massive MTC. **2022**, 1-1 2

692 Solving Inverse Problems With Deep Neural Networks - Robustness Included.. **2022**, PP, 6

691 Fault Diagnosis of a Propeller Using Sub-Nyquist Sampling and Compressed Sensing. **2022**, 1-1 0

690 Compressed Sensing: From Big Data to Relevant Data. **2022**, 329-352

689 Redundancy cancellation of compressed measurements by QRS complex alignment.. **2022**, 17, e0262219 0

688 Highly undersampling dynamic cardiac MRI based on low-rank tensor coding.. **2022**,

687 An Image Encryption Scheme Based on Logistic Quantum Chaos.. **2022**, 24, 0

686 Differentially Private Data Publication with Multi-level Data Utility. **2022**, 100049 0

685 Curvelet Transform-based Sparsity Promoting Algorithm for Fast Ultrasound Localization Microscopy.

684 X-rays image reconstruction using proximal algorithm and adapted TV regularization. **2021**, 52, 172-172

683 Imaging with metamaterials. **2022**, 4, 85-100 10

682 Discrete-Phase Sequence Design with Stopband and PSL Constraints for Cognitive Radar. **2021**, 3

681 Between Stress and Strain: Understanding, Measuring, and Analysing Financial Conditions in Developing Countries in Times of COVID-19 and Beyond.

680 SensCamera: A learning-based smart camera prototype. **2022**, 155-178

679 PeerProbe: Estimating Vehicular Neighbor Distribution With Adaptive Compressive Sensing. **2022**, 1-14 0

678 DEMO: A Flexible Deartifacting Module for Compressed Sensing MRI. **2022**, 1-1 0

677	Privacy-Enhanced and Verifiable Compressed Sensing Reconstruction for Medical Image Processing on the Cloud. **2022**, 10, 18134-18145		0
676	Sensor Arrangement in Through-the Wall Radar Imaging. **2022**, 3, 333-341		1
675	Space-Variant Image Reconstruction Via Cauchy Regularisation: Application to Optical Coherence Tomography.		
674	Compressive Sensing Technique on MRI Reconstruction Methodical Survey. **2022**, 261-274		
673	Hypercomplex Low Rank Reconstruction for Nmr Spectroscopy with Cloud Computing ?.		
672	Using Compressive Sampling to Fill Inter-Batch Data Gap from Low-Cost IoT Vibration Sensor. **2022**, 1-1		
671	A Deep Learning based Super Resolution DoA Estimator with Single Snapshot MIMO Radar Data. **2022**, 1-1		1
670	Recurrent Neural Networks for Snapshot Compressive Imaging.. **2022**, PP,		4
669	An Open Problem on Sparse Representations in Unions of Bases. *IEEE Transactions on Information Theory*, **2022**, 1-1	2.8	0
668	Fast Retrieval of Large Entries With Incomplete Measurement Data. **2022**, 1-15		
667	Active User Detection and Channel Estimation for Spatial-based Random Access in Crowded Massive MIMO Systems via Blind Super-resolution. **2022**, 1-1		1
666	Computing One-Bit Compressive Sensing via Double-Sparsity Constrained Optimization. **2022**, 70, 1593-1608		2
665	Region-of-Interest Prioritised Sampling for Constrained Autonomous Exploration Systems. **2022**, 1-1		
664	Accelerating MR Parameter Mapping Using Nonlinear Compressive Manifold Learning and Regularized Pre-Imaging.. **2022**, PP,		0
663	Minimax Design of M-D Sparse FIR Filters with Arbitrary Frequency Response using SOCP. **2022**, 1-1		1
662	Sparsest Univariate Learning Models Under Lipschitz Constraint. **2022**, 3, 140-154		
661	Video Snapshot Compressive Imaging using Residual Ensemble Network. **2022**, 1-1		
660	High-throughput single pixel spectral imaging system for glow discharge optical emission spectrometry elemental mapping enabled by compressed sensing. **2022**, 37, 805-813		

659 Super Resolution CT Imaging Using Higher Order Total Variation (HOTV) Technique. **2022**, 71, 1-8 2

658 Multifocus image fusion using adaptive block compressive sensing by combining spatial frequency. 1 1

657 Lightweight Compressive Sensing for Joint Compression and Encryption of Sensor Data. **2022**, 12, 167-181 0

656 Fully cooperative and distributed focal underdetermined system solver compressive sensing recovery algorithm for wireless sensor networks.

655 Partial gradient optimal thresholding algorithms for a class of sparse optimization problems. 1 2

654 Total variation and spatial iteration-based 3D structured illumination microscopy.. **2022**, 30, 7938-7953 0

653 Measurement in the Age of Information. **2022**, 13, 111 0

652 On the Power of Preconditioning in Sparse Linear Regression. **2022**, 1

651 Image Encryption Scheme Based on Mixed Chaotic Bernoulli Measurement Matrix Block Compressive Sensing.. **2022**, 24, 1

650 Ultrathin Optics-Free Spectrometer with Monolithically Integrated LED Excitation.. **2022**, 13, 1

649 Reconstructing Group Wavelet Transform From Feature Maps With a Reproducing Kernel Iteration.. **2022**, 16, 775241

648 Computational super-resolution imaging with multimode fiber using optimized illuminations. **2022**,

647 Towards 'Fourth Paradigm' Spectral Sensing.. **2022**, 22, 0

646 Fast Burst-Sparsity Learning-Based Baseline Correction (FBSL-BC) Algorithm for Signals of Analytical Instruments.. **2022**, 0

645 Deep Learning-Based Clinical Image Segmentation Methods With Different Modalities. **2022**, 2236, 012002

644 Compressed sensing based on QUBO formulation. **2022**, 2207, 012033

643 Spectral imaging with deep learning.. **2022**, 11, 61 8

642 Image Denoising Using a Compressive Sensing Approach Based on Regularization Constraints.. **2022**, 22, 17

641	Multi-level pooling encoder-decoder convolution neural network for MRI reconstruction.. **2022**, 8, e934	
640	Analysis of sparse recovery for Legendre expansions using envelope bound.	
639	Multi-Fidelity Sparse Polynomial Chaos and Kriging Surrogate Models Applied to Analytical Benchmark Problems. **2022**, 15, 101	1
638	Optimized visually meaningful image embedding strategy based on compressive sensing and 2D DWT-SVD. **2022**, 81, 20175	2
637	Derandomized Compressed Sensing with Nonuniform Guarantees for $$ell _1$$ Recovery. **2022**, 28, 1	
636	Enhanced detection of paramagnetic fluorine-19 MRI agents using zero echo time sequence and compressed sensing.. **2022**, e4725	0
635	Shearlet-based regularization in statistical inverse learning with an application to X-ray tomography.	
634	A Unified Approach to Uniform Signal Recovery From Nonlinear Observations.	
633	Dictionary-sparse recovery from heavy-tailed measurements.	
632	A fast gradient-based sensing matrix optimization approach for compressive sensing. 1	0
631	Ultrarapid spectroscopic gas detection via frequency-agile and compressed sensing. **2022**, 128, 1	
630	End-to-end snapshot compressed super-resolution imaging with deep optics.	2
629	The difficulty of computing stable and accurate neural networks: On the barriers of deep learning and Smale's 18th problem.. **2022**, 119, e2107151119	8
628	Research on IQ Imbalance Error of Orthogonal Alternating Sampling. **2022**, 2022, 1-8	
627	Cognitive sensor systems for NDE 4.0: Technology, AI embedding, validation and qualification. **2022** , 89, 253-277	
626	An improved local oscillator modulation of modulated sampling scheme for multiple mono-pulse radar signals reconstruction. **2022**, 2022,	
625	Image Compression and Reconstruction in Compressive Sensing Paradigm. **2022**,	0
624	Reconstruction of nonlinear flows from noisy time series. 1	0

623 Neural network for a class of sparse optimization with L-regularization.. **2022**, 151, 211-221 1

622 Deep MRI reconstruction with radial subsampling. **2022**, 1

621 Minimizing L 1 over L 2 norms on the gradient. 0

620 Hyperspectral Image Reconstruction Based on Reference Point Nondominated Sorting Genetic Algorithm. **2022**, 2022, 1-24

619 An AtanTV Nonconvex Regularization Model for MRI Reconstruction. **2022**, 2022, 1-15

618 Near-Optimal Variance-Based Uncertainty Relations. 10,

617 Cone-beam breast CT using an offset detector: effect of detector offset and image reconstruction algorithm.. **2022**, 0

616 Single-pixel compressive imaging in shift-invariant spaces via exact wavelet frames. **2022**, 116702 0

615 On two new relations between continuous analog signal and discrete-time sequence. **2022**, 171, 108649

614 On the Fourier transform of a quantitative trait: Implications for compressive sensing.. **2021**, 110985 0

613 Bi-regularization enhanced azimuthal mode analysis method for the aero-engine fan. **2022**, 171, 108921 1

612 A denoising method for multidimensional magnetic resonance spectroscopy and imaging based on compressed sensing.. **2022**, 338, 107187

611 Multi-class privacy-preserving cloud computing based on compressive sensing for IoT. **2022**, 66, 103139 0

610 Multi-parameter quantitative mapping of R1, R2*, PD, and MTsat is reproducible when accelerated with Compressed SENSE.. **2022**, 119092

609 The restricted isometry property of block diagonal matrices for group-sparse signal recovery. **2022**, 60, 333-367

608 Sampling. **2022**, 317-380

607 Sparse Signal Recovery Via Tail Hadamard Product Parametrization. **2021**,

606 DC-LiGME: An Efficient Algorithm for Improved Convex Sparse Regularization. **2021**, 0

605	Direction-of-Arrival and Range Estimation of Near-Field Sources Based on Subspace Fitting. **2021**,	
604	Exploring Fundamental Limits of Spatiotemporal Sensing for Non-Linear Inverse problems. **2021**,	
603	Self-supervised Neural Networks for Spectral Snapshot Compressive Imaging. **2021**,	11
602	Tekil değer ayrışımına dayalı koşullamanın sıkıştırmalı görüntülemeye etkisi.	
601	Construction of Deterministic Compressed Sensing Matrices in Singular Linear Space. **2021**,	
600	Parallel implementation of real-time ISAR imaging based on graphics processing units. **2021**,	
599	Convergence of Halpern Iteration Method with Applications in Optimization. **2021**, 42, 1839-1854	0
598	Performance Comparison of Orthogonal Matching Pursuit and Novel Incremental Gaussian Elimination OMP Reconstruction Algorithms for Compressive Sensing. **2021**,	
597	Spectral Reconstruction and Disparity from Spatio-Spectrally Coded Light Fields via Multi-Task Deep Learning. **2021**,	1
596	An Extended Reweighted ℓ1 Minimization Algorithm for Image Restoration. **2021**, 9, 3224	
595	Magnetic resonance image reconstruction by nullspace based finite rate of innovation framework. **2021**,	0
594	A Deep Reinforcement Learning Based Control Strategy for Combined Wind Energy Storage System. **2021**,	
593	Joint Spectrum Sensing of Wideband Frequency and Angular Spectrum based on Sub-Nyquist Sampling. **2021**,	
592	Underdetermined blind source separation of radar signals based on genetic annealing algorithm. **2022**, 2022, 261-273	
591	Research on reconstruction of signals for carbon fiber composite materials structural health monitoring based on compressed sensing. **2021**,	
590	An accelerated majorization-minimization algorithm with convergence guarantee for non-Lipschitz wavelet synthesis model *. **2022**, 38, 015001	0
589	Compressed Sensing in Sodium Magnetic Resonance Imaging: Techniques, Applications, and Future Prospects.. **2021**,	0
588	Degradation-Aware Deep Learning Framework for Sparse-View CT Reconstruction.. **2021**, 7, 932-949	0

587 A Novel Downward-Looking Linear Array SAR Imaging Method Based on Multiple Measurement Vector Model with L 2 , 1 . **2021**, 2021, 1-12

586 Parallel Alternating Direction Primal-Dual (PADPD) Algorithm for Centralized Optimization. **2021**, 0

585 A sample efficient sparse FFT for arbitrary frequency candidate sets in high dimensions. **2022**, 89, 1479-1520 1

584 Fast Gaussian Pyramid based Recovery with Collaborative Sparsity for Image Compressive Sensing. **2021**, 1

583 Reconstruction of financial time series data based on compressed sensing. **2021**, 102625

582 Measurement matrix uncertainty model-based microwave induced thermoacoustic sparse reconstruction in acoustically heterogeneous media. **2021**, 119, 263701 1

581 Block Orthogonal Sparse Superposition Codes. **2021**, 0

580 Compressive sensing-based SAR imaging for undersampled echo. **2022**, 64, 476-481

579 Compressive Sensing for Full Matrix Capture RF Signals Reconstruction in Ultrasonic Array. **2021**,

578 Comprehensive Evaluation Model of Bearing Transportation Protection Effect of Bogie Traction Motor under Data Imbalance. **2021**, 2021, 1-19 2

577 On the sparsity of fitness functions and implications for learning.. **2022**, 119, 4

576 Off-The-Grid Variational Sparse Spike Recovery: Methods and Algorithms.. **2021**, 7,

575 Gradient Sparsification Can Improve Performance of Differentially-Private Convex Machine Learning. **2021**, 1

574 Design of New Suboptimal Fractional Delays Controller for Discrete Non-Minimum Phase System under Unknown-but-Bounded Disturbance. **2022**, 10, 69

573 Joint reconstruction framework of compressed sensing and nonlinear parallel imaging for dynamic cardiac magnetic resonance imaging. **2021**, 21, 182

572 Single-pass Object-adaptive Data Undersampling and Reconstruction for MRI. **2022**, 1-1 0

571 Approximate Message Passing with Parameter Estimation for Heavily Quantized Measurements. **2022**, 1-1 0

570 Entropic Compressibility of L y Processes. *IEEE Transactions on Information Theory*, **2022**, 1-1 2.8

569	Adaptive Pilot Allocation for Estimating Sparse Uplink MU-MIMO-OFDM Channels. **2022**, 1-1	
568	An improved ultrasonic computerized tomography (UCT) technique for damage localization based on compressive sampling (CS) theory. **2022**, 29,	4
567	3D Map Exploration Using Topological Fourier Sparse Set. **2022**, 104, 1	1
566	Double Image Encryption Scheme Based on Compressive Sensing and Double Random Phase Encoding. **2022**, 10, 1242	
565	DL-CSNet: Dictionary Learning based Compressed Sensing Neural Network. **2022**, 2245, 012015	1
564	Compressed imaging with focused light.	
563	Feature Reconstruction from Incomplete Tomographic Data without Detour. **2022**, 10, 1318	0
562	Computational ghost imaging encryption with a pattern compression from 3D to 0D.	1
561	Privacy-Preserving Statistical Analysis of Genomic Data using Compressive Mechanism with Haar Wavelet Transform*.	
560	Embedded compressive sampling (CS) algorithm under ultra-low rate wireless communication for long-term bridge monitoring. **2022**,	
559	A Review of FE-FFT-Based Two-Scale Methods for Computational Modeling of Microstructure Evolution and Macroscopic Material Behavior. 1	1
558	Determination of stepped plate thickness distribution using guided waves and compressed sensing approach. **2022**, 111221	1
557	Presentation_1.pdf. **2018**,	
556	Curvelet Transform-based Sparsity Promoting Algorithm for Fast Ultrasound Localization Microscopy.. **2022**, PP,	0
555	Reconfigurable Dimensionality Reduction Based on Joint Dictionary Learning and Applications. **2022**,	
554	An Interpolation Approach for Soil Properties Based on Bayesian Compressed Sensing and Sparse Dictionaries.	
553	A Sparse Channel Estimation Scheme Combined with Distorted Signal Detection for UWB OFDM Systems. **2022**, 1-1	1
552	Notes and References. **2022**, 2483-2624	

551	Matrix completion with data-dependent missingness probabilities. *IEEE Transactions on Information Theory*, **2022**, 1-1	2.8	1
550	Quickly Convert Photoplethysmography to Electrocardiogram Signals by a Banded Kernel Ensemble Learning Method for Heart Diseases Detection. **2022**, 1-1		0
549	Parallel Block Compressive LiDAR Imaging. **2022**, 1-1		0
548	Compressive Sensing Acquisition with Application to Marchenko Imaging.		0
547	Ultrafast MR Techniques to Image Multi-phase Flows in Pipes and Reactors. **2022**, 173-191		
546	A Domain Adaption Based Closed-loop System for Fault Diagnosis of Generator Slot Wedge. **2022**,		
545	Restricted subgradient descend method for sparse signal learning.		
544	Imaging of the pial arterial vasculature of the human brain using high-resolution 7T time-of-flight angiography.. **2022**, 11,		2
543	Hyperspectral image compressed processing: Evolutionary multi-objective optimization sparse decomposition.. **2022**, 17, e0267754		
542	Compressive Sensing Approaches for Sparse Distribution Estimation Under Local Privacy. **2022**,		
541	Task reduction using regression-based missing data imputation in sparse mobile crowdsensing. 1		
540	MRI Reconstruction with Separate Magnitude and Phase Priors Based on Dual-Tree Complex Wavelet Transform.. **2022**, 2022, 7251674		
539	Sparse Angle CBCT Reconstruction Based on Guided Image Filtering.. **2022**, 12, 832037		1
538	Verification of elastic wave velocity tomography based on compressive sampling. **2022**, 1242, 012032		
537	Compressive-sensing swept-source optical coherence tomography angiography with reduced noise.. **2022**, e202200087		
536	Modification of reconstruction threshold algorithm in two-dimensional LFMCW compressive radar. **2022**, 9,		
535	Compressive Scanning Transmission Electron Microscopy. **2022**,		1
534	Ada-JSR: Sample Efficient Adaptive Joint Support Recovery From Extremely Compressed Measurement Vectors. **2022**,		

533	Modern Koopman Theory for Dynamical Systems. **2022**, 64, 229-340	7
532	Intelligent metasurfaces: control, communication and computing. **2022**, 2,	22
531	Unsupervised Resolution-Agnostic Quantitative Susceptibility Mapping using Adaptive Instance Normalization. **2022**, 102477	0
530	ADMM-DAD Net: A Deep Unfolding Network for Analysis Compressed Sensing. **2022**,	0
529	Generalized Matching Pursuits for the Sparse Optimization of Separable Objectives. **2022**,	
528	Sequential Image Recovery from Noisy and Under-Sampled Fourier Data. **2022**, 91, 1	
527	Enabling resource-efficient edge intelligence with compressive sensing-based deep learning. **2022**,	1
526	On Continuous-Domain Inverse Problems with Sparse Superpositions of Decaying Sinusoids as Solutions. **2022**,	1
525	A Novel Weakly Matching Pursuit Recovery Algorithm and Its Application. 1	
524	Modified complex multitask Bayesian compressive sensing using Laplacian scale mixture prior.	
523	Suppressing multi-material and streak artifacts with an accelerated 3D iterative image reconstruction algorithm for in-line X-ray phase-contrast computed tomography.	0
522	Robust Identification of Differential Equations by Numerical Techniques from a Single Set of Noisy Observation. **2022**, 44, A1145-A1175	
521	Wasserstein-Based Projections with Applications to Inverse Problems. **2022**, 4, 581-603	
520	Lost data neural semantic recovery framework for structural health monitoring based on deep learning.	0
519	Application of Compressed Sensing Based on Adaptive Dynamic Mode Decomposition in Signal Transmission and Fault Extraction of Bearing Signal. **2022**, 10, 353	0
518	Recurrent Design of Probing Waveform for Sparse Bayesian Learning Based DOA Estimation. **2022**,	
517	Erratic and random noise attenuation using adaptive local orthogonalization. 1-133	
516	High fidelity sampling schedules for NMR spectra of high dynamic range.. **2022**, 339, 107228	0

515	Structural damage identification considering uncertainties based on a Jaya algorithm with a local pattern search strategy and L0.5 sparse regularization. **2022**, 261, 114312		1
514	An uncertainty-quantification framework for assessing accuracy, sensitivity, and robustness in computational fluid dynamics. **2022**, 62, 101688		
513	An improved RIP based condition for support recovery with NR-A?OMP in the presence of general perturbation. **2022**, 127, 103568		
512	Energy-Efficient Sensing Matrices for Wireless Multimedia Sensor Networks: A Review. **2021**,		0
511	Dynamic scattering media imaging based on combined modulation. **2022**,		
510	1. Fundamentals of Compressed Sensing and its Applications to Wireless Communications. **2019**, 73, 431-438		
509	Sparse Group Lasso: Optimal Sample Complexity, Convergence Rate, and Statistical Inference. *IEEE Transactions on Information Theory*, **2022**, 1-1	2.8	0
508	Comparative Study to Analyse the Effect of Speaker Voice on the Compressive Sensing Based Speech Compression. **2022**, 494-504		
507	Array Antenna Fault Diagnosis Via Near Field Amplitude-Only Data. **2022**,		
506	Adaptive Sparse ISAR Imaging for Objects With Off-grid Scatterers. **2022**,		
505	Identifying multivariate geochemical anomalies via tensor dictionary learning over spatial-elemental dimensionalities. **2022**, 105153		
504	Epi-fluorescence imaging of the human brain though a multimode fiber.		3
503	Applications of neutron computed tomography to thermal-hydraulics research. **2022**, 149, 104262		
502	Robust training approach of neural networks for fluid flow state estimations. **2022**, 96, 108997		1
501	Sparse Reconstruction of Magnetic Resonance Images based on Dictionary Learning. **2022**,		
500	Phase-Constrained Reconstruction Method with Compressed Sensing for Multi-Parametric Quantitative Magnetic Resonance Imaging.		
499	System Identification at the Extreme Edge for Network Load Reduction in Vibration-based Monitoring. **2022**, 1-1		1
498	Embedded Quantitative MRI T1 Mapping Using Non-Linear Primal-Dual Proximal Splitting. **2022**, 8, 157		

497	Centralized Wideband Cooperative CRs Combined with PCA Anomaly Detector in the Presence of malicious Attacks. **2022**,	
496	DIRECT: Deep Image REConstruction Toolkit. **2022**, 7, 4278	
495	3D Amide Proton Transfer Weighted Brain Tumor Imaging With Compressed SENSE: Effects of Different Acceleration Factors. **2022**, 16,	
494	Patch-based artifact reduction for three-dimensional volume projection data of sparse-view micro-computed tomography.	0
493	Reconstructing community structure of online social network via user opinions. **2022**, 32, 053127	
492	A Neural Network Model with Connectivity-Based Topology for Production Prediction in Complex Subsurface Flow Systems. **2022**, 1-20	
491	A Fast Multi-Scale Generative Adversarial Network for Image Compressed Sensing. **2022**, 24, 775	1
490	Distorted wavefront reconstruction based on compressed sensing. **2022**, 128,	0
489	Image denoising using RANSAC and compressive sensing.	1
488	Sparse signal reconstruction via recurrent neural networks with hyperbolic tangent function. **2022**,	0
487	Verifiable visually meaningful image encryption based on compressed sensing (CS) and improved game of life (IGOL). **2022**, 262, 169375	0
486	Interpolation of soil properties from geostatistical priors and DCT-based compressed sensing. **2022** , 140, 109013	1
485	Sparse ultrasonic guided wave imaging with compressive sensing and deep learning. **2022**, 178, 109346	3
484	Exploring Simple and Transferable Recognition-Aware Image Processing. **2022**, 1-15	
483	Fast non-uniform Fourier transform based regularization for sparse-view large-size CT reconstruction. **2022**, 2, 121	
482	Compressed Sensing. **2022**, 155-175	
481	Single pixel imaging based on generative adversarial network optimized with multiple prior information. **2022**, 1-10	1
480	An Overview of Vital Signs Monitoring Based on RADAR Technologies. **2022**, 113-124	

479	Robust Sparse Recovery with Sparse Bernoulli Matrices Via Expanders.		
478	Optimization and Reconstruction for EPMA Image Compressed Sensing Based on Chaotic Measurement Matrix. **2022**,		
477	Analysis of Non-negative Block Orthogonal Matching Pursuit.		
476	Atmospheric Lengthscales for Global VSWIR Imaging Spectroscopy.		0
475	Spectral Compressive Imaging Reconstruction Using Convolution and Contextual Transformer.		3
474	Inverse lithography source and mask optimization via Bayesian compressive sensing.		
473	A probabilistic Bayesian approach to recover R2*$$ {R}_{2ast } $$ map and phase images for quantitative susceptibility mapping.		
472	Compressive Representations of Weather Scenes for Strategic Air Traffic Flow Management. **2022**,		
471	Discovery of nonlinear dynamical systems using a Runge-Kutta inspired dictionary-based sparse regression approach. **2022**, 478,		1
470	Gradient projection Newton pursuit for sparsity constrained optimization. **2022**, 61, 75-100		0
469	Image Tamper Detection and Reconstruction Based on Compressive Sensing and Reversible Data Hiding. **2022**, 437-449		
468	Output Controllability of a Linear Dynamical System with Sparse Controls. **2022**, 1-10		
467	Spatial Soil Interpolation from Sparse Measurements Based on Geostatistical Priors and L1-Regularized Total Variation Minimization.		
466	Stratified Sampling Based Compressed Sensing for Structured Signals. **2022**, 70, 3530-3539		0
465	Spectrum Analysis for Multiband Signals With Nonuniform Sub-Nyquist Sampling in the Fractional Fourier Domain. **2022**, 1-16		0
464	Encoder Blind Combinatorial Compressed Sensing. *IEEE Transactions on Information Theory*, **2022**, 1-1	2.8	
463	Vectorized Hankel Lift: A Convex Approach for Blind Super-Resolution of Point Sources. *IEEE Transactions on Information Theory*, **2022**, 1-1	2.8	2
462	Locating Sources in Multiplex Networks for Linear Diffusion Systems. **2022**, 1-16		0

461	Distributed Continuous and Discrete Time Projection Neurodynamic Approaches for Sparse Recovery. **2022**, 1-16	0
460	Uncertainty quantification in medical image synthesis. **2022**, 601-641	0
459	Novel Recovery Algorithms for Block Sparse Signals With Known and Unknown Borders. **2022**, 1-17	0
458	Sparse Time Series Sampling for Recovery of Behind-the-Meter Inverter Control Models. **2022**,	1
457	Multi-static InISAR imaging for ships under sparse aperture. **2022**, 33, 575-584	1
456	Exact recovery of sparse signals with side information. **2022**, 2022,	
455	Low-Complexity Adaptive Sampling of Block Compressed Sensing Based on Distortion Minimization. **2022**, 22, 4806	2
454	On Reproducing Kernel Banach Spaces: Generic Definitions and Unified Framework of Constructions.	1
453	A novel super-resolution ISAR imaging method based on the EM-turbo technique. **2022**, 13, 844-853	
452	Empirical Bayesian Inference Using a Support Informed Prior. **2022**, 10, 745-774	0
451	Investigation of wavelength-induced uncertainties in full-wave radar tomography of high contrast domain: An application to small solar system bodies. **2022**, 115173	
450	A survey on computational spectral reconstruction methods from RGB to hyperspectral imaging. **2022**, 12,	3
449	New ECG Compression Method for Portable ECG Monitoring System Merged with Binary Convolutional Auto-Encoder and Residual Error Compensation. **2022**, 12, 524	1
448	On the robustness of noise-blind low-rank recovery from rank-one measurements. **2022**,	0
447	Image compression-encryption algorithm based on chaos and compressive sensing.	
446	A hybrid quasi-Newton method with application in sparse recovery. **2022**, 41,	
445	Inverting Incomplete Fourier Transforms by a Sparse Regularization Model and Applications in Seismic Wavefield Modeling. **2022**, 92,	
444	Sparse signal reconstruction via collaborative neurodynamic optimization. **2022**,	0

443 A Novel Sparsity Adaptive Algorithm for Underwater Acoustic Signal Reconstruction. **2022**, 22, 5018 0

442 Bibliography. **2022**, 167-171

441 Compressed feature reconstruction for localized fault diagnosis with generalized minimax-concave penalty. **2022**, 200, 111622 0

440 Four-dimensional point spread functions A powerful tool to reconstruct the source image in neutron coded imaging. **2022**, 1039, 167038

439 Reconstructing a complex financial network using compressed sensing based on low-frequency time series data. **2022**, 49, 103097 0

438 Undersampled Magnetic Resonance Image Reconstructions Based on a Combination of U-Nets and L1, L2, and TV Optimizations. **2022**,

437 A novel fault diagnosis method of wind turbine bearings based on compressed sensing and Alexnet. 1

436 Quantum Compressive Sensing: Mathematical Machinery, Quantum Algorithms, and Quantum Circuitry. **2022**, 12, 7525 0

435 The springback penalty for robust signal recovery. **2022**,

434 A High-Precision Two-Dimensional DOA Estimation Algorithm with Parallel Coprime Array.

433 Design of artificial intelligence image encryption algorithm based on hyperchaos. **2022**, 101891 1

432 Intelligent Seismic Deblending Through Deep Preconditioner. **2022**, 19, 1-5 1

431 Evolution of Algorithms Proposed for Airborne Low RCS Target Detection. **2022**,

430 Deep Learning Based Compressive Sensing for Image Reconstruction and Inference. **2022**,

429 Minimum Number of Measurements in Enhanced Group Testing for Failure-edge Detection in Networks. **2022**,

428 A New Digital Predistortion Based On B spline Function With Compressive Sampling Pruning. **2022**,

427 Cyclical Pruning for Sparse Neural Networks. **2022**,

426 Sensitivity of Under-Determined Linear System. **2022**,

425	Sparse Signal Recovery Using a Binary Program. **2022**,	1
424	On (1 + ?)-Approximate Block Sparse Recovery. **2022**,	
423	Quality Changes of Image from Total Variation to Nonlinear Sparsifying Transform for Sparse-view CT Reconstruction. **2022**,	
422	On the Convergence of Orthogonal/Vector AMP: Long-Memory Message-Passing Strategy. **2022**,	2
421	Downhole Vibration Acquisition Method based on Compressed Sensing Technology. **2022**,	
420	Time-Domain Inversion Method of Impact Loads Based on Strain Monitoring Data. **2022**, 12, 1279	
419	Depth- Time Dimension Signal Reconstruction of Transient Electromagnetic Logging using Compressed Sensing. **2022**,	
418	Liver diffusion-weighted MR imaging with L1-regularized iterative sensitivity encoding reconstruction based on single-shot echo-planar imaging: initial clinical experience. **2022**, 12,	1
417	10. Compressed Sensing -Basic Understanding of Image Reconstruction-. **2022**, 78, 760-765	
416	Stable Image Reconstruction Using Transformed Total Variation Minimization. **2022**, 15, 1104-1139	
415	Dictionary learning compressed sensing reconstruction: pilot validation of accelerated echo planar J-resolved spectroscopic imaging in prostate cancer. **2022**, 35, 667-682	
414	Vehicle axle detection from under-sampled signal through compressed-sensing-based signal recovery.	
413	Dynamic nitrogen vacancy magnetometry by single-shot optical streaking microscopy.	
412	???????????????. **2022**,	
411	Compressed sensing based fingerprint imaging system using a chaotic model-based deterministic sensing matrix.	
410	Dosimetric evaluation of respiratory gating on a 0.35-T magnetic resonance□guided radiotherapy linac.	0
409	Emerging Techniques and Future Directions. **2022**, 30, 565-582	
408	Compressed Data Separation via Unconstrained l1-Split Analysis.	

407	Compressed Sensing Based RFI Mitigation and Restoration for Pulsar Signals. **2022**, 935, 117	0
406	Multichannel compressive sensing for seismic data reconstruction using joint sparsity. **2022**,	
405	A simulation-free seismic survey design by maximizing the spectral gap. **2022**,	1
404	Direction of Arrival Estimation of Acoustic Sources with Unmanned Underwater Vehicle Swarm via Matrix Completion. **2022**, 14, 3790	0
403	Non-dissipative and structure-preserving emulators via spherical optimization.	
402	Quantitative refractive index tomography of mm-scale objects using single-pixel wavefront sampling.	
401	Review on Compressive Sensing Algorithms for ECG Signal for IoT Based Deep Learning Framework. **2022**, 12, 8368	1
400	A Chaotic Compressive Sensing Based Data Transmission Method for Sensors within BBNs. **2022**, 22, 5909	
399	DoG-HiT: A novel VLBI multiscale imaging approach.	0
398	Method for restoration of X-ray absorption fine structure in sparse spectroscopic ptychography. **2022**, 55, 929-943	0
397	Efficient Near-Field Radiofrequency Imaging of Impact Damage on CFRP Materials with Learning-Based Compressed Sensing. **2022**, 15, 5874	1
396	Machine Learning Methods for Multiscale Physics and Urban Engineering Problems. **2022**, 24, 1134	
395	Phase Transition of Total Variation Based on Approximate Message Passing Algorithm. **2022**, 11, 2578	
394	Disorder and the Neural Representation of Complex Odors. 16,	0
393	Comparative Analysis of Speech Enhancement Techniques in Perceptive of Hearing Aid Design. **2023**, 117-125	
392	Sound Field Modeling Method and Key Imaging Technology of an Ultrasonic Phased Array: A Review. **2022**, 12, 7962	0
391	Asymptotic Theory of (boldsymbol ell _1) -Regularized PDE Identification from a Single Noisy Trajectory. **2022**, 10, 1012-1036	
390	Dictionary Learning- and Total Variation-Based High-Light-Efficiency Snapshot Multi-Aperture Spectral Imaging. **2022**, 14, 4115	

389	Turbulence in the Outer Heliosphere. **2022**, 218,	1
388	CoCoCs: co-optimized compressive imaging driven by high-level vision. **2022**, 30, 30894	0
387	Effect of Sensing Matrices on Quality Index Parameters for Block Sparse Bayesian Learning-Based EEG Compressive Sensing.	
386	Pre-Stack Seismic Inversion With L1-2-Norm Regularization Via A Proximal DC Algorithm And Adaptive Strategy.	
385	WER-Net: A New Lightweight Wide-Spectrum Encoding and Reconstruction Neural Network Applied to Computational Spectrum. **2022**, 22, 6089	
384	A wonderful triangle in compressed sensing. **2022**, 611, 95-106	
383	Hyperspectral anomaly detection via fractional Fourier transform and deep belief networks. **2022**, 125, 104314	0
382	Research on joint training strategy for 3D convolutional neural network based near-field acoustical holography with optimized hyperparameters. **2022**, 202, 111790	1
381	Characteristics analysis of blade tip timing signals in synchronous resonance and frequency recovery based on subspace pursuit algorithm. **2023**, 183, 109632	0
380	An enhanced method to reduce reconstruction error of compressed sensing for structure vibration signals. **2023**, 183, 109585	0
379	A new nonconvex relaxation approach for low tubal rank tensor recovery. **2022**, 130, 103741	0
378	BlaST - A machine-learning estimator for the synchrotron peak of blazars. **2022**, 41, 100646	0
377	Minimizing Image Quality Loss After Channel Count Reduction for Plane Wave Ultrasound via Deep Learning Inference. **2022**, 69, 2849-2861	0
376	A novel method for identification of synchronous resonance frequency of blades based on random arrangement of tip-timing probes. **2022**, 539, 117264	0
375	Using Bayesian compressed sensing and sparse dictionaries to interpolate soil properties. **2022**, 428, 116162	0
374	Identifying Local Reductions to Mass and Stiffness with Incomplete Modal Information, Sparsity, and Nonnegative Constraints. **2022**, 148,	0
373	Tensor Train Random Projection. **2023**, 134, 1195-1218	0
372	Diffusion-based Kalman iterative thresholding for compressed sampling recovery over network. **2023**, 202, 108750	0

371	SVD Diagonal Matrix Reconstruction Using OMP. **2020**, 319-331	0
370	Void Fraction Measurement of C Apacitively C Oupled E Lectrical R Esistance T Omography System Based on Compressive Sensing Theory.	0
369	A chaotic compressed sensing based multi-group secret image sharing method for IoT with critical information concealment function. **2022**, 1-1	0
368	Optimal MRI Undersampling Patterns for Pathology Localization. **2022**, 768-779	1
367	Adaptive Measurement Matrix Design in Direction of Arrival Estimation. **2022**, 1-15	1
366	A Novel Demixing Algorithm for Joint Target Detection and Impulsive Noise Suppression. **2022**, 1-1	0
365	Hyperspectral Image Reconstruction for SD-CASSI Systems Based on Residual Attention Network. **2022**, 466-475	0
364	Low-Cost and Confidential ECG Acquisition Framework Using Compressed Sensing and Chaotic Systems for Wireless Body Area Network. **2022**, 1-10	1
363	Resilient Observer Design for Cyber-Physical Systems with Data-Driven Measurement Pruning. **2022**, 85-117	0
362	Joint Coherent and Non-Coherent Detection and Decoding Techniques for Heterogeneous Networks. **2022**, 1-1	0
361	Hyperspectral Image Recovery via Reliability-Weighted Compressed Sensing for Hardware Trojan Detection. **2022**, 10, 96568-96580	0
360	SAR Imaging Method for Moving Target With Azimuth Missing Data. **2022**, 15, 7100-7113	1
359	On the Convergence of Orthogonal/Vector AMP: Long-Memory Message-Passing Strategy. **2022**, 1-1	1
358	DDPTransformer: Dual-Domain With Parallel Transformer Network for Sparse View CT Image Reconstruction. **2022**, 1-15	0
357	Resolution, Accuracy and Precision in Super-Resolved Microscopy Images Using Suppose.	0
356	Conjugate Gradient Iterative Hard Thresholding for Structured Sparsity. **2022**, 1-16	0
355	TransCL: Transformer Makes Strong and Flexible Compressive Learning. **2022**, 1-16	0
354	Compressed sensing - a way to spare energy in WSN for UAV. **2022**, 55, 170-176	0

353	Multi-Stage Sparse Resource Allocation for Control of Spreading Processes over Networks. **2022**,	0
352	Improved MR image reconstruction using federated learning. **2023**, 351-368	0
351	Sampling Rates for $$ell ^1$$-Synthesis.	0
350	Absolute Distance Measurement Based on Self-Mixing Interferometry Using Compressed Sensing. **2022**, 12, 8635	0
349	Robustness of Partial Sparse Signal Recovery Based on l_{q} Minimization Model. **2022**,	0
348	Advances on terahertz single-pixel imaging. 10,	1
347	An Overview of Signal Processing Techniques for RIS/IRS-Aided Wireless Systems. **2022**, 16, 883-917	15
346	Compressed Sensing Technique for the Localization of Harmonic Distortions in Electrical Power Systems. **2022**, 22, 6434	0
345	Distributed Decoding From Heterogeneous 1-Bit Compressive Measurements. 1-25	0
344	T2 Turbo Spin Echo With Compressed Sensing and Propeller Acquisition (Sampling k-Space by Utilizing Rotating Blades) for Fast and Motion Robust Prostate MRI. Publish Ahead of Print,	1
343	Distributed ranking-based resource allocation for sporadic M2M communication. **2022**, 2022,	0
342	Artificial Intelligence Based Strategies for Data-Driven Radial MRI. **2023**, 31-59	0
341	Blind-noise image denoising with block-matching domain transformation filtering and improved guided filtering. **2022**, 12,	0
340	Deep preconditioners and their application to seismic wavefield processing. 10,	0
339	Multiple testing and variable selection along the path of the least angle regression.	0
338	Compressed Learning in MCA Architectures to Tolerate Malicious Noise. **2022**,	0
337	LDPC coded DFT/DCT-spread SC-FDMA for image communication: A compressed sensing approach. **2022**, 101897	0
336	WARPd: A Linearly Convergent First-Order Primal-Dual Algorithm for Inverse Problems with Approximate Sharpness Conditions. **2022**, 15, 1539-1575	0

335	Bearing Fault Diagnosis Using Piecewise Aggregate Approximation and Complete Ensemble Empirical Mode Decomposition with Adaptive Noise. **2022**, 22, 6599	0
334	Deep compressed seismic learning for fast location and moment tensor inferences with natural and induced seismicity. **2022**, 12,	0
333	Characteristic-constrained accelerating MR T1rho mapping with blockwise infimal convolution of matrix elastic-net regularization.	0
332	An improved compressed sensing method for dynamic impact signals based on cubic spline interpolation. **2022**, 93, 095102	0
331	Image reconstruction algorithms in radio interferometry: From handcrafted to learned regularization denoisers.	1
330	Non-negative constrained dictionary learning for compressed sensing of ECG signals. **2022**, 43, 095005	0
329	Accelerated two-dimensional phase-contrast for cardiovascular MRI using deep learning-based reconstruction with complex difference estimation.	1
328	Spatial information coding with artificially engineered structures for acoustic and elastic wave sensing. 10,	0
327	Sparse estimation via lower-order penalty optimization methods in high-dimensional linear regression.	0
326	Perspective on optimal strategies of building cluster expansion models for configurationally disordered materials.	0
325	Deep learning for compressive sensing: a ubiquitous systems perspective.	1
324	High-Quality Image Compressed Sensing and Reconstruction with Multi-scale Dilated Convolutional Neural Network.	2
323	Accelerated cardiac cine MRI using spatiotemporal correlation-based hybrid plug-and-play priors (SEABUS).	0
322	Sampling-based Spotlight SAR Image Reconstruction from Phase History Data for Speckle Reduction and Uncertainty Quantification. **2022**, 10, 1225-1249	0
321	Optimization-based reconstruction for multi-displaced single-slice spiral CT.	0
320	In silico prediction methods of self-interacting proteins: an empirical and academic survey. **2023**, 17,	0
319	Transfer Learning via Representation Learning. **2023**, 233-257	0
318	Solving orthogonal group synchronization via convex and low-rank optimization: tightness and landscape analysis.	0

317	A Brief Survey of the Graph Wavelet Frame. **2022**, 2022, 1-12	0
316	Riemannian conjugate gradient descent method for fixed multi rank third-order tensor completion. **2022**, 114866	0
315	A convex relaxation framework consisting of a primal□dual alternative algorithm for solving □ sparsity-induced optimization problems with application to signal recovery based image restoration. **2022**, 114878	1
314	A novel meaningful image encryption algorithm based on newly-designed coupled map lattice and adaptive embedding. **2022**, 270, 170073	1
313	SIM-STEM Lab: Incorporating Compressed Sensing Theory for Fast STEM Simulation. **2022**, 242, 113625	2
312	Channel Estimation for RIS-Aided Multi-User mmWave Systems with Uniform Planar Arrays. **2022**, 1-1	1
311	Unbiasing in Iterative Reconstruction Algorithms for Discrete Compressed Sensing. **2022**, 181-212	0
310	QISTA-ImageNet: A Deep Compressive Image Sensing Framework Solving $$ell _q$$-Norm Optimization Problem. **2022**, 406-422	0
309	Ensemble Learning Priors Driven Deep Unfolding for Scalable Video Snapshot Compressive Imaging. **2022**, 600-618	1
308	CryoAI: Amortized Inference of Poses for Ab Initio Reconstruction of 3D Molecular Volumes from Real Cryo-EM Images. **2022**, 540-557	0
307	Sparse Identification of ARX Model Based on L_{p}Regularization. **2022**,	0
306	The Sufficient Conditions for Orthogonal Matching Pursuit to Exactly Reconstruct Sparse Polynomials. **2022**, 10, 3703	0
305	Tsallis Entropy based Uncertainty Relations on Sparse Representation for Vector and Matrix Signals. **2022**,	0
304	Deep Learning--Based Dictionary Learning and Tomographic Image Reconstruction. **2022**, 15, 1729-1764	0
303	WITH: Weighted Truncated Hadamard-Matrix-Based Deterministic Compressive Sampling for Sparse Multiband Signals.	0
302	A Study on Millimeter Wave SAR Imaging for Non-Destructive Testing of Rebar in Reinforced Concrete. **2022**, 22, 8030	1
301	Fast and memory-optimal dimension reduction using Kac□ walk. **2022**, 32,	0
300	On-grid compressive sampling for spherical field measurements in acoustics. **2022**, 152, 2240-2256	0

299	Miniaturizing a Chip-Scale Spectrometer Using Local Strain Engineering and Total-Variation Regularized Reconstruction. **2022**, 22, 8174-8180	1
298	On the Sparsity of LASSO Minimizers in Sparse Data Recovery.	0
297	Identification of Nonlinear State-Space Systems via Sparse Bayesian and Stein Approximation Approach. **2022**, 10, 3667	0
296	Fast Hierarchical Deep Unfolding Network for Image Compressed Sensing. **2022**,	0
295	Exploring Spherical Autoencoder for Spherical Video Content Processing. **2022**,	0
294	Aligning Distant Sequences to Graphs using Long Seed Sketches.	0
293	Super-Resolution Magnetic Resonance Imaging using Segmented Signals in Phase-Scrambling Fourier Transform Imaging and Deep Learning. **2022**,	0
292	A Hyper-Chaotically Encrypted Robust Digital Image Watermarking Method with Large Capacity Using Compress Sensing on a Hybrid Domain. **2022**, 24, 1486	1
291	Energy-Efficient Compressive Sensing Based Data Gathering and Scheduling in Wireless Sensor Networks.	0
290	Neurodynamics-based Iteratively Reweighted Convex Optimization for Sparse Signal Reconstruction. **2022**,	0
289	A relaxed inertial and viscosity method for split feasibility problem and applications to image recovery.	0
288	Parameter Estimation of LFM Signal Based on RD Compressed Sampling and DFRFT Dictionary.	1
287	Riemannian thresholding methods for row-sparse and low-rank matrix recovery.	0
286	Cognitive Wireless Networks Based Spectrum Sensing Strategies: A Comparative Analysis. **2022**, 2022, 1-14	0
285	Construction of Structured Random Measurement Matrices in Semi-Tensor Product Compressed Sensing Based on Combinatorial Designs. **2022**, 22, 8260	1
284	Exploiting voxel-sparsity for bone imaging with sparse-view cone-beam computed tomography. **2022**,	0
283	Robust signal recovery via ℓ1−2/ℓ2 minimization with partially known support. **2022**,	0
282	How many Fourier coefficients are needed?.	0

281	Machine learning prediction of network dynamics with privacy protection. **2022**, 4,	0
280	Random sampling and reconstruction in reproducing kernel subspace of mixed Lebesgue spaces.	1
279	A deep iterative neural network for structured compressed sensing based on generalized pattern-coupled sparse Bayesian learning. **2022**, 132, 103789	0
278	Long-distance mid-wave infrared super-resolution compressive imaging. **2023**, 157, 108740	0
277	Hypercomplex Low Rank Reconstruction for NMR Spectroscopy. **2023**, 203, 108809	0
276	Single-pixel MWIR camera for acquiring thermal images of silicone rubber encapsulated LEDs. **2023**, 161, 107343	0
275	Resolution, accuracy and precision in super-resolved microscopy images using SUPPOSe. **2023**, 161, 107337	0
274	Compressed Sensing in the Spherical Near-Field to Far-Field Transformation. **2022**, 507-535	0
273	MRI Reconstruction as an Inverse Problem. **2022**, 37-57	0
272	Sparse Reconstruction. **2022**, 189-221	0
271	Location Estimates From Channel State Information Via Binary Programming. **2022**, 1-14	1
270	Swarm UAV SAR for 3-D Imaging: System Analysis and Sensing Matrix Design. **2022**, 1-1	1
269	Fast Antenna Characterization with Numerical Expansion Functions built with Partial Knowledge of the Antenna and Accelerated Asymptotic Methods. **2022**, 1-1	0
268	Designing Low Coherent Measurement Matrix With Controlled Spectral Norm Via an Efficient Approximation of $ell _infty$-Norm. **2022**, 29, 2243-2247	0
267	A Highly Robust Reversible Watermarking Scheme Using Embedding Optimization and Rounded Error Compensation. **2022**, 1-1	0
266	LRIP-Net: Low-Resolution Image Prior based Network for Limited-Angle CT Reconstruction. **2022**, 1-1	0
265	A coherence parameter characterizing generative compressed sensing with Fourier measurements. **2022**, 1-1	1
264	Sparsity-free Compressed Sensing with Applications to Generative Priors. **2022**, 1-1	1

263 LEARN++: Recurrent Dual-Domain Reconstruction Network for Compressed Sensing CT. **2022**, 1-1 0

262 Asymptotic Performance Prediction for ADMM-Based Compressed Sensing. **2022**, 70, 5194-5207 0

261 Novel secure data transmission methods for IoT based on STP-CS with multi-level critical information concealment function. **2022**, 1-1 0

260 Airborne sparse flight array SAR 3D imaging based on compressed sensing in frequency domain. **2022**, 1-13 0

259 An 81.92Gpixels/s Fast Reconstruction of Images from Compressively Sensed Measurements. **2022**, 0

258 Binary Compressed Sensing of ECG by Neural Matrix Optimization and Support Oracle. **2022**, 0

257 Aggressively prunable MAM□-based Deep Neural Oracle for ECG acquisition by Compressed Sensing. **2022**, 0

256 The tail-Hadamard product parametrization algorithm for compressed sensing. **2022**, 108853 0

255 Secure image storage system based on compressed sensing and 2D-SLLIM in cloud environment. 0

254 Fast and Robust Clutter Filtering in Ultrafast Echocardiography. **2022**, 0

253 Passive Sonar Target Identification Using Multiple-Measurement Sparse Bayesian Learning. **2022**, 22, 8511 0

252 2-D DOA Estimation Algorithm for Non-circular Signal Based on Fourth-Order Cumulant. 0

251 Privacy-Preserving Statistical Analysis of Genomic Data Using Compressive Mechanism with Haar Wavelet Transform. 0

250 Model calibration for compressive sensing based linear antenna array fault diagnosis. 1-21 0

249 Green□ Function Estimation by Seismic Interferometry from Limited Frequency Samples. **2022**, 108863 0

248 Compressive sampling - based extrapolation of free surface displacement data from pressure measurements. **2022**, 266, 113044 0

247 Semiconductor superlattice physical unclonable function based two-dimensional compressive sensing cryptosystem and its application to image encryption. **2022**, 618, 227-252 0

246 MRI Reconstruction using Minimax-Concave Total Variation Regularization based on p-norm. **2022**, 0

245	A probabilistic Bayesian methodology for the strain-rate correction of dynamic CPTu data.	0
244	Phase-constrained reconstruction method with compressed sensing for multi-parametric quantitative magnetic resonance imaging. **2023**, 80, 104383	0
243	Physics-Informed Compressed Sensing for PC-MRI: An Inverse Navier-Stokes Problem. **2023**, 32, 281-294	0
242	Ensemble Image Super-Resolution CNNs for´Small Data and´Diverse Compressive Models. **2022**, 89-102	0
241	High-Resolution and Wide-Swath Imaging of Spaceborne SAR via Random PRF Variation Constrained by the Coverage Diagram. **2022**, 1-1	0
240	On Sparse Optimization Problems with Linear Inequality Constraints Based on Huber Loss and Capped-L1 Regularization. **2022**, 12, 2021-2032	0
239	Sparse Channel Estimation with Surface Clustering for IRS-Assisted OFDM Systems. **2022**, 1-1	0
238	RISING: A new framework for model-based few-view CT image reconstruction with deep learning. **2023**, 103, 102156	1
237	Robust extension of light fields with probable 3D distribution based on iterative scene estimation from multi-focus images. **2023**, 111, 116896	0
236	A fast sparsity-free compressive sensing approach for vibration data reconstruction using deep convolutional GAN. **2023**, 188, 109937	0
235	Instantaneous photonic frequency measurement based on compressive sensing. **2023**, 530, 129189	0
234	Improved Image Compressive Sensing Recovery with Low-Rank Prior and Deep Image Prior. **2023**, 205, 108896	0
233	Joint spatial structural sparsity constraint and spectral low-rank approximation for snapshot compressive spectral imaging reconstruction. **2023**, 162, 107413	0
232	Space-variant image reconstruction via Cauchy regularisation: Application to Optical Coherence Tomography. **2023**, 205, 108866	0
231	Model-driven enhanced analytic learned iterative shrinkage threshold algorithm. **2022**, 1-1	0
230	Compressive Sensing With Wigner D-Functions on Subsets of the Sphere. **2022**, 70, 5652-5667	1
229	Tomographic SAR Inversion by Atomic-Norm Minimization□he Gridless Compressive Sensing Approach. **2022**, 60, 1-13	0
228	Teleoperation control of a wheeled mobile robot based on Brain-machine Interface. **2022**, 20, 3638-3660	0

227	Optimizing Sensing Matrices for Spherical Near-Field Antenna Measurements. **2022**, 1-1	0
226	Method of Metal Button Defect Detection Based on Extreme Learning Machine and Sparse Representation. **2021**, 8, 62-68	0
225	General Image Fast Encryption Algorithm for Deep Learning Compression and Reconstruction. **2022**, 34, 913-922	0
224	Leachable Component Clustering. **2022**,	0
223	STP-DEQ-Net: A Deep Equilibrium Model Based on ISTA Method for Image Compressive Sensing. **2022**,	0
222	Fast AFM Imaging Based on Neural Network Compressed Sensing. **2022**,	0
221	Implementation and Performance Assessment of Biomedical Image Compression and Reconstruction Algorithms for Telemedicine Applications. **2022**, 1571-1598	0
220	Hardware-Efficient Direction of Arrival Estimation using Compressive Sensing. **2022**,	0
219	Sparse Direction of Arrival Estimation using Real Acoustic Data. **2022**,	0
218	Research on Reconstruction Algorithm of Terahertz Signal Based on Compressed Sensing. **2022**,	0
217	Sparse Image Reconstruction via Fast ICI Based Adaptive Thresholding. **2022**,	0
216	Statistical and Performance Analysis of Compressive Sensing in Solar Corona Tomography. **2022**,	0
215	NF-BCSNet: A Normalizing Flow-based Network for Block-based Image Compressed Sensing. **2022**,	0
214	High-precision DOA estimation for underwater acoustic signals based on sparsity adaptation. 9,	0
213	Analysis and Design of Compressive Pulsed Radar Based on Adaptive Pipelined Algorithm. 1-11	0
212	Improved Central Attention Network-Based Tensor RX for Hyperspectral Anomaly Detection. **2022**, 14, 5865	0
211	Laplacian-Driven Softmax Probability for Noisy Pixel Detection in Image Reconstruction. **2022**,	0
210	Radar waveform design and processing using joint amplitude-frequency-phase modulation.	0

209	Research on Sparse Denoising of Strong Earthquakes Early Warning Based on MEMS Accelerometers. **2022**, 13, 2113	0
208	An analysis of noise folding for low-rank matrix recovery. 1-23	0
207	Deeply learning deep inelastic scattering kinematics. **2022**, 82,	0
206	MR image reconstruction from undersampled data for image-guided radiation therapy using a patient-specific deep manifold image prior. 12,	0
205	Adaptive Iterative Hard Thresholding for Least Absolute Deviation Problems with Sparsity Constraints. **2023**, 29,	1
204	A non-convex piecewise quadratic approximation of $$ell _{0}$$ regularization: theory and accelerated algorithm.	1
203	Knowledge-Enhanced Compressed Measurements for Detection of Frequency-Hopping Spread Spectrum Signals Based on Task-Specific Information and Deep Neural Networks. **2023**, 25, 11	1
202	Wideband spectrum sensing using step-sampling based on the multi-path nyquist folding receiver. **2022**,	0
201	Leaf Classification for Crop Pests and Diseases in the Compressed Domain. **2023**, 23, 48	0
200	Proximal linearization methods for Schatten p-quasi-norm minimization.	0
199	Closing the Loophole: Rethinking Reconstruction Attacks in Federated Learning from a Privacy Standpoint. **2022**,	0
198	Expendable and Distributed Measurement Scheme for Acquisition of Naturally Sparse Events.	0
197	New Reweighted Atomic Norm Minimization Approach for Line Spectral Estimation. **2022**, 108897	0
196	Uncertainty relations for the support of quantum states. **2022**, 55, 495305	0
195	Improving accelerated MRI by deep learning with´sparsified complex data.	0
194	Convergence rates for the joint solution of inverse problems with compressed sensing data. **2023**, 39, 015011	0
193	Guided´ultrasonic´waves´propagation´imaging:´a´review.	1
192	Coded aperture compressive temporal imaging using complementary codes and untrained neural networks for high-quality reconstruction. **2023**, 48, 109	0

191	Operating modal analysis from sub-sampled vibration response based on compressed sensing and FastICA. **2022**, S1-S8	0
190	Extendible ghost imaging with high reconstruction quality in strong scattering medium. **2022**, 30, 45759	1
189	Current modulation based vertical cavity surface emitting laser: system-on-chip realization and compressive sensing based image encryption. **2023**, 55,	0
188	A new fast image compression–encryption scheme based on compressive sensing and parallel blocks.	0
187	Large-scale single-pixel imaging via deep learning. **2023**,	0
186	Objective inversion of the continuous atmospheric 137Cs release following the Fukushima accident. **2023**, 130786	0
185	Fourier Analysis: A new computing approach [Lecture Notes]. **2023**, 40, 183-191	0
184	Iterative Image Reconstruction Algorithm with Parameter Estimation by Neural Network for Computed Tomography. **2023**, 16, 60	0
183	Optimization Approach to Image Reconstruction. **2023**, 71-93	0
182	Photonics-assisted compressed sensing of radio frequencies with rate-doubled bipolar random sequence.	0
181	Convergence Results for Primal-Dual Algorithms in the Presence of Adjoint Mismatch. **2023**, 16, 1-34	0
180	Sparsity-aware 3D ToF Sensing. **2023**, 1-1	0
179	Regularized least absolute deviation-based sparse identification of dynamical systems. **2023**, 33, 013103	0
178	Over the Limits of Traditional Sampling: Advantages and Issues of AICs for Measurement Instrumentation. **2023**, 23, 861	2
177	An Efficient and Error-Controllable Angular Sweep Algorithm for Electromagnetic Wave Scattering and Its Analysis. **2023**, 1-1	0
176	Learning Nonlocal Sparse and Low-Rank Models for Image Compressive Sensing: Nonlocal sparse and low-rank modeling. **2023**, 40, 32-44	1
175	Identifying hidden target nodes for spreading in complex networks. **2023**, 168, 113103	0
174	Self-adaptive reconstruction for compressed sensing based ECG acquisition in wireless body area network. **2023**, 142, 228-236	1

173	Sparse Reconstruction Based on Tanimoto Coefficient for DOA Estimation in Compressed Sensing. **2022**,	0
172	Binary Iterative Hard Thresholding Converges with Optimal Number of Measurements for 1-Bit Compressed Sensing. **2022**,	0
171	Dynamic Compressed Sensing of Unsteady Flows with a Mobile Robot. **2022**,	0
170	Fast Signal Reconstruction Based on Compressed Sensing in NOMA-Aided Cell-Free Massive MIMO. **2022**,	0
169	SRI3D: Two-stream inflated 3D ConvNet based on sparse regularization for action recognition.	0
168	Channel Estimation For Extra-Large Massive MIMO Systems With Non-Stationary Channels. **2022**,	0
167	Faster randomized block sparse Kaczmarz by averaging.	0
166	Deep Learning-Based Miniaturized All-Dielectric Ultracompact Film Spectrometer. **2023**, 10, 225-233	0
165	Non-iterative deep neural networks for compressed coded aperture imaging.	0
164	A WTC suppression algorithm for weather radar based on weighted schatten p-norm minimization. **2023**, 14, 70-79	0
163	Compressed Cluster Sensing in Multiagent IoT Control. **2022**,	0
162	Parametrical Channel Estimation in mmWave Using Atomic Norm. **2022**,	0
161	Channel Estimation for RIS-Aided mmWave MIMO System from 1-Sparse Recovery Perspective. **2022**,	0
160	Three-dimensional electron tomography and recent expansion of its applications in materials science.	0
159	A differential SAR Tomography inversion method based on Distributed Compressive Sensing. **2021**,	0
158	Reconstruction of Targets Based on Adaptive Complex ℓ Reweighted Minimization via Homotopy. **2021**,	0
157	CSHEM - A Compressed Sensing Based Secure Data Processing Method for Electrical Data. **2022**, 255-270	0
156	Compressed Sensing: Theory and Applications. **2023**, 2419, 012042	0

155	Compressed Sensing $Sigma $-$Delta $ Modulators and a Recovery Algorithm for Multi-Channel Wireless Bio-Signal Acquisition. **2023**, 1-10	0
154	Harmonic sources estimation in distribution systems. **2023**, 309-329	0
153	An Application of Elastic-Net Regularized Linear Inverse Problem in Seismic Data Inversion. **2023**, 13, 1525	0
152	Computed Tomography Reconstruction Using Only One Projection Angle. **2023**, 11, 9672-9679	1
151	Multi-Fidelity Kriging and Sparse Polynomial Chaos Surrogate Models for Uncertainty Quantification. **2023**,	0
150	Reconstruction of Sparse Stream Flow and Concentration Time-Series Through Compressed Sensing. **2023**, 50,	1
149	Snapshot temporal compressive light-sheet fluorescence microscopy via deep denoising and total variation priors.	0
148	Scalable Affine Multi-view Subspace Clustering.	0
147	Design of Robust Sensing Matrix for UAV Images Encryption and Compression. **2023**, 13, 1575	0
146	The advantages of sub-sampling and Inpainting for scanning transmission electron microscopy. **2023**, 122, 050501	1
145	Parametric heart activity condensed photoacoustic stimulation from MRI images. **2023**,	0
144	Compressive imaging beyond the sensor's physical resolution via coded exposure combined with time-delay integration. **2023**, 164, 107491	0
143	Compressed sensing of low-rank plus sparse matrices. **2023**, 64, 254-293	0
142	Joint optimization methods for Gaussian random measurement matrix based on column coherence in compressed sensing. **2023**, 207, 108941	0
141	Geometry of Random Sparse Arrays. **2022**,	0
140	Photonics-assisted Frequency and DOA estimation via Frequency-Spatial Compressed Sensing. **2022**,	0
139	A Close Look at Matrix Completion with Noisy Data. **2022**,	0
138	Compressive Sensing Solution Optimization Method in Sensing-Transmission-Calculation Integrated System. **2022**,	0

137	Adaptive Block-Based Compressed Sensing Based on Pre-sampling Using LDPC matrices. **2022**,	0
136	Widefield Multiphoton Imaging at Depth with Temporal Focusing. **2023**, 263-291	0
135	Recovery of High Order Statistics of PSK Signals Based on Low-Rank Matrix Completion. **2023**, 11, 12973-12986	0
134	From Patch to Pixel: A Transformer-Based Hierarchical Framework for Compressive Image Sensing. **2023**, 9, 133-146	0
133	Applications to Computing: Why Deep Learning is More Efficient Than Support Vector Machines, and How It is Related to Sparsity Techniques in Signal Processing. **2023**, 181-190	0
132	Efficient Network Partitioning: Application for Decentralized State Estimation in Power Distribution Grids. **2023**,	0
131	Second-Order Statistics-Aided Channel Estimation for Multipath Massive MIMO-OFDM Systems. **2023**, 11, 21921-21933	0
130	Flow-Based Algorithms for Improving Clusters: A Unifying Framework, Software, and Performance. **2023**, 65, 59-143	0
129	Outlier Detection for Generative Models with Performance Guarantees. **2023**,	0
128	Minimizing the Risk of Spreading Processes via Surveillance Schedules and Sparse Control. **2023**, 10, 394-406	0
127	Fast Measurement of Surface Topographies Using a Phase-Measuring Deflectometric Microscopy. **2023**, 15, 1-7	0
126	Proximal gradient algorithm for nonconvex low tubal rank tensor recovery. **2023**, 63,	0
125	Compressed sensing based on L1 and TGV regularization for low-light-level images denoising. **2023**, 136, 103975	0
124	Sparse machine learning in Banach spaces. **2023**, 187, 138-157	0
123	Restoration of electromechanical admittance signature via solving constrained optimization problems for concrete structural damage identification. **2023**, 214, 112803	0
122	Investigation of the usability of cone-beam computed tomography images using digital radiography equipment for boron neutron capture therapy treatment planning in the sitting position. **2023**, 196, 110793	0
121	A compressed sensing approach to interpolation of fractional Brownian trajectories for a single particle tracking experiment. **2023**, 446, 127900	0
120	The uncertainty principle for the short-time Fourier transform on finite cyclic groups: Cases of equality. **2023**, 284, 109924	0

119	A convergence analysis for projected fast iterative soft-thresholding algorithm under radial sampling MRI. **2023**, 351, 107425	0
118	Robust transformed l1 metric for fluorescence molecular tomography. **2023**, 234, 107503	0
117	Robust optimization for sustainable agricultural management of the water-land-food nexus under uncertainty. **2023**, 403, 136846	0
116	Inhomogeneous regularization with limited and indirect data. **2023**, 428, 115193	0
115	Resolution aware nonconvex quasinorm iterative digital breast tomosynthesis imaging. **2023**, 85, 104801	0
114	A Novel CS 2G-starlet denoising method for high noise astronomical image. **2023**, 163, 109334	0
113	Hybrid Multi-Dimensional Attention U-Net for Hyperspectral Snapshot Compressive Imaging Reconstruction. **2023**, 25, 649	0
112	Compressive sensing-based correlation sidelobe suppression for passive water pipeline fault detection using ambient noise. **2023**, 195, 110323	0
111	Second order self-adaptive dynamical system for sparse signal reconstruction and applications to image recovery. **2023**, 451, 128019	0
110	An analysis of reconstruction noise from undersampled 4D flow MRI. **2023**, 84, 104800	0
109	Parameter Estimation and Outliers Detection Based on Nonconvex Penalized Regression. **2022**, 11, 9081-9095	0
108	Uncertainty Quantification for Sparse Estimation of Spectral Lines. **2022**, 70, 6243-6256	0
107	Compressed Perturb-seq: highly efficient screens for regulatory circuits using random composite perturbations.	0
106	Alternative fan-beam backprojection and adjoint operators. **2023**,	0
105	Combined CNN/RNN video privacy protection evaluation method for monitoring home scene violence. **2023**, 106, 108614	0
104	Provable General Bounded Denoisers for Snapshot Compressive Imaging With Convergence Guarantee. **2023**, 9, 55-69	0
103	Spatiotemporal Acoustic Communication by a Single Sensor via Rotational Doppler Effect. **2023**, 10,	0
102	Real-space inversion and super-resolution of ultrafast scattering. **2023**, 107,	0

101	Parallel Alternating Direction Primal-Dual (PADPD) Algorithm for Multi-Block Centralized Optimization. **2023**, 23,	0
100	Compressive Sensing over OFDM Systems. **2021**, 8, 23-27	0
99	Smooth over-parameterized solvers for non-smooth structured optimization.	0
98	Image compression and encryption algorithm based on uniform non-degeneracy chaotic system and fractal coding. **2023**, 111, 8771-8798	0
97	Fast additive half-quadratic iterative minimization for l p □ l q image smoothing.	0
96	Compression Reconstruction Network with Coordinated Self-Attention and Adaptive Gaussian Filtering Module. **2023**, 11, 847	0
95	Urban Traffic Noise Analysis Using UAV-Based Array of Microphones. **2023**, 23, 1912	0
94	An efficient meaningful double-image encryption algorithm based on parallel compressive sensing and FRFT embedding.	0
93	Amplitude-Versus-Angle (AVA) Inversion for Pre-Stack Seismic Data with L0-Norm-Gradient Regularization. **2023**, 11, 880	0
92	Decoding Algorithms and HW Strategies to Mitigate Uncertainties in a PCM-Based Analog Encoder for Compressed Sensing. **2023**, 13, 17	0
91	Robust Localization for Near- and Far-Field Signals with an Unknown Number of Sources. **2023**, 7, 184	0
90	Sequential Imagery Lossless Compression Algorithm for Space Astronomical Observation. **2019**, 39, 847	0
89	Sparse Signal Recovery via Tail-FISTA. **2022**,	0
88	Polarization Scattering Matrix and Doppler Joint Estimation Based on Multichannel Spectrum Interpolation Clean. **2023**, 20, 1-5	0
87	Comparisons of Hepatobiliary Phase Imaging Using Combinations of Parallel Imaging and Variable Degrees of Compressed Sensing With Use of Parallel Imaging Alone. Publish Ahead of Print,	0
86	Triple-image visually secure encryption scheme based on newly designed chaotic map and parallel compressive sensing. **2023**, 138,	0
85	Sparse Estimation: An MMSE Approach. **2023**, 57, 727-758	0
84	Wideband Spectrum Sensing Using Modulated Wideband Converter and Data Reduction Invariant Algorithms. **2023**, 23, 2263	0

83	Sampling and Reconstruction Jointly Optimized Model Unfolding Network for Single-Pixel Imaging. **2023**, 10, 232	0
82	On the Foundation of Sparsity Constrained Sensing (Part I): Necessary and Sufficient Sampling Theory and Robust Remainder Problem. **2023**, 1-14	0
81	Block-sparse recovery and rank minimization using a weighted $l_{p}-l_{q}$ model. **2023**, 2023,	0
80	Application of the compressed sensing theory in the IR-UWB system channel estimation. **2023**,	0
79	Atomic Information Entropy Selection Based Generalized Orthogonal Matching Pursuit Algorithm. **2022**,	0
78	Operational modal analysis with compressed measurements based on prior information. **2023**, 211, 112644	0
77	Efficient dual ADMMs for sparse compressive sensing MRI reconstruction.	0
76	A flexible and visually meaningful multi-image compression, encryption and hiding scheme based on 2D compressive sensing. **2023**, 9, e14072	0
75	Compressive Sensing of Medical Images Based on HSV Color Space. **2023**, 23, 2616	0
74	Model-Based Deep Learning. **2023**, 1-35	0
73	On the Effects of PRBS Non-Idealities in Signal Reconstruction from AICs. **2023**, 72, 1-11	0
72	Deep Convolutional Compressed Sensing-Based Adaptive 3D Reconstruction of Sparse LiDAR Data: A Case Study for Forests. **2023**, 15, 1394	0
71	A modified column block Toeplitz matrix for compressed sensing.	0
70	Ionospheric Tomography: A Compressed Sensing Technique Based on Dictionary Learning. **2023**, 61, 1-10	0
69	A Correlation Coefficient Sparsity Adaptive Matching Pursuit Algorithm. **2023**, 30, 190-194	0
68	An l1-regularized total variation minimization model for soil interpolation based on geostatistical priors. **2023**, 432, 116412	0
67	Smoothing Accelerated Proximal Gradient Method with Fast Convergence Rate for Nonsmooth Convex Optimization Beyond Differentiability.	0
66	A dual active set method for $ ell $1-regularized problem. **2023**, 0-0	0

65	Sub-diffraction computational imaging via a flexible multicore-multimode fiber. **2023**, 31, 11249	0
64	One-dimensional Deep Image Prior for Time Series Inverse Problems. **2022**,	0
63	On the design of low-resolution sensing matrices for noncoherent compressive channel estimation. **2022**,	0
62	High-speed hyperspectral imaging enabled by compressed sensing in time domain. **2023**, 2,	0
61	Sub-aperture SAR imaging with uncertainty quantification. **2023**, 39, 054004	0
60	Just Least Squares: Binary Compressive Sampling with Low Generative Intrinsic Dimension. **2023**, 95,	0
59	Deep Learning-Based Reconstruction for Cardiac MRI: A Review. **2023**, 10, 334	1
58	Modern quantum compressive tomography. **2023**,	0
57	On the use of deep learning for three-dimensional computational imaging. **2023**,	0
56	Increasing lateral resolution of 3D LiDAR GmAPD using Compressive Sensing. **2022**,	0
55	Sparse Seismic Data Reconstruction Based on a Convolutional Neural Network Algorithm. **2023**, 22, 410-418	0
54	An Effective Co-support Guided Analysis Model for Multi-Contrast MRI Reconstruction. **2023**, 1-12	0
53	Tail-Iteratively Reweighted Least Squares Technique for Compressed Sensing. **2022**,	0
52	Single breath-hold three-dimensional whole-heart T 2 mapping with low-rank plus sparse reconstruction.	0
51	Estimating States and Model Uncertainties Jointly by a Sparsity Promoting UKF. **2023**, 56, 85-90	0
50	How to generate accurate continuous thermal regimes from sparse but regular temperature measurements.	0
49	Sparse recovery for compressive sensing via weighted Lp□ model. **2022**, 36, 4709-4716	0
48	Optimization of Sampling Mode in Macro Fourier Ptychography Imaging Based on Energy Distribution. **2023**, 10, 321	0

47	Granger causality for compressively sensed sparse signals. **2023**, 107,	0
46	Compressive Sensing via Variational Bayesian Inference under Two Widely Used Priors: Modeling, Comparison and Discussion. **2023**, 25, 511	0
45	Near-Field ISAR Imaging Rotational Motion Estimation and Compensation used Compressive Sensing. **2022**,	0
44	Fourier Analysis and Its Application. 38, 768-774	0
43	Fourier Transform in Three Differences Spaces. 38, 527-543	0
42	The Use of Fourier Transform in Heat Equation and Wave Equation. 38, 558-567	0
41	Fourier series and its property. 38, 516-526	0
40	The Introductory Analysis on Fourier Series. 38, 544-550	0
39	The World of Fourier Series. 38, 551-557	0
38	High-Quality Computational Ghost Imaging with a Conditional GAN. **2023**, 10, 353	0
37	Topological Regularization for Dense Prediction. **2022**,	0
36	MAP-Inspired Deep Unfolding Network for Distributed Compressive Video Sensing. **2023**, 30, 309-313	0
35	A domain-agnostic MR reconstruction framework using a randomly weighted neural network.	0
34	Grating-based coded aperture compressive spectral imaging to reconstruct over 190 spectral bands from a snapshot measurement. **2023**, 56, 254004	0
33	FedCS: Communication-Efficient Federated Learning with Compressive Sensing. **2023**,	0
32	Computational based time-resolved multispectral fluorescence microscopy. **2023**, 8, 046110	0
31	Reconstruction of Sparse Graph Signals from Reduced Sets of Samples. **2023**,	0
30	Unified Analysis of Algorithms for Dictionary Learning. **2022**,	0

29	A robust performance evaluation method based on interval evidential reasoning approach under uncertainty. **2023**,	0
28	Streamflow Prediction in Poorly Gauged Watersheds in the United States Through Data-Driven Sparse Sensing. **2023**, 59,	0
27	A new image compression-encryption scheme based on compressive sensing & classical AES algorithm.	0
26	??????????????. **2022**, 51, 20220093	0
25	X-ray Computed Tomography Sinogram Data Generation from Microwave Tomography Measurements Using Deep Neural Networks. **2022**,	0
24	Compressive Sensing Mapping System for Spatial Characterization of Photovoltaic Devices. **2023**,	0
23	??????:????????(??). **2022**, 51, 20220402	0
22	Algebraic compressed sensing. **2023**, 65, 374-406	0
21	A generalized inertial proximal alternating linearized minimization method for nonconvex nonsmooth problems. **2023**, 189, 66-87	0
20	Sparse Decomposition of Heart Rate Using a Bernoulli-Gaussian Model: Application to Sleep Apnoea Detection. **2023**, 23, 3743	0
19	Deep-learning-based on-chip rapid spectral imaging with high spatial resolution. **2023**, 100045	0
18	Optimization Design for Sparse Planar Array in Satellite Communications. **2023**, 12, 1763	0
17	Research on Integrated Optics Interferometric Imaging Reconstruction. **2022**,	0
16	Dynamic Path-Controllable Deep Unfolding Network for Compressive Sensing. **2023**, 32, 2202-2214	0
15	An attention-driven nonlinear optimization method for CS-based hyperspectral image reconstruction. **2023**, 959, 113845	0
14	Capsule networks embedded with prior known support information for image reconstruction. **2023**, 100125	0
13	Tail-FISTA and applications. **2023**, 104025	0
12	Multi-mode dictionaries for fast CS-based dynamic MRI reconstruction. 1-13	0

11	Video Compressed Sensing Reconstruction Based on Multi-Dimensional Reference Frame Multi Hypothesis Rediction. **2022**, 4, 61-68	0
10	Multimodal image enhancement using convolutional sparse coding.	0
9	Compressed Sensing of Traction Motor Bearing Vibration Signals based on Discrete Fourier Transform and Generalized Orthogonal Matching Pursuit Algorithm. **2023**, 2477, 012071	0
8	Single-Pixel Imaging in Space and Time with Optically Modulated Free Electrons.	0
7	Status-aware and energy-efficient data aggregation for inter-tidal monitoring systems. **2023**, 103181	0
6	Sparse subsampling of flow measurements for finite-time Lyapunov exponent in domains with obstacles. **2023**, 115255	0
5	A linearly convergent self-adaptive gradient projection algorithm for sparse signal reconstruction in compressive sensing. **2023**, 8, 14726-14746	0
4	More is less: inducing sparsity via overparameterization.	0
3	Simultaneous compressed sensing and single-image super resolution for SAR image reconstruction. **2023**, 55,	0
2	A thresholding based iterative reconstruction method for limited-angle tomography data. **2023**, 100008	0
1	An undersampling phase measurement algorithm based on parameter estimation for homodyne interferometer. **2023**, 217, 112988	0