

Di Guo

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,235
citations

304743

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all docs

51
docs citations

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times ranked

1558
citing authors

#	ARTICLE	IF	CITATIONS
1	Exponential Signal Reconstruction With Deep Hankel Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6214-6226.	11.3	8
2	A Sparse Model-Inspired Deep Thresholding Network for Exponential Signal Reconstruction—Application in Fast Biological Spectroscopy. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7578-7592.	11.3	12
3	Review and prospect: NMR spectroscopy denoising and reconstruction with low-rank Hankel matrices and tensors. Magnetic Resonance in Chemistry, 2021, 59, 324-345.	1.9	20
4	Low-rank and sparse reconstruction for fast diffusion nuclear magnetic resonance spectroscopy. IET Signal Processing, 2021, 15, 88-97.	1.5	1
5	A guaranteed convergence analysis for the projected fast iterative soft-thresholding algorithm in parallel MRI. Medical Image Analysis, 2021, 69, 101987.	11.6	21
6	Coil Combination of Multichannel Single Voxel Magnetic Resonance Spectroscopy with Repeatedly Sampled In Vivo Data. Molecules, 2021, 26, 3896.	3.8	3
7	Brain metabolic differences between temporal lobe epileptic seizures and organic non-epileptic seizures in postictal phase: a retrospective study with magnetic resonance spectroscopy. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3781-3791.	2.0	2
8	An Automatic Denoising Method for NMR Spectroscopy Based on Low-Rank Hankel Model. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	7
9	A partial sum of singular-value-based reconstruction method for non-uniformly sampled NMR spectroscopy. IET Signal Processing, 2021, 15, 14-27.	1.5	1
10	A review on deep learning MRI reconstruction without fully sampled k-space. BMC Medical Imaging, 2021, 21, 195.	2.7	41
11	Accelerated Nuclear Magnetic Resonance Spectroscopy with Deep Learning. Angewandte Chemie, 2020, 132, 10383-10386.	2.0	28
12	Accelerated Nuclear Magnetic Resonance Spectroscopy with Deep Learning. Angewandte Chemie - International Edition, 2020, 59, 10297-10300.	13.8	88
13	pFISTA-SENSE-ResNet for parallel MRI reconstruction. Journal of Magnetic Resonance, 2020, 318, 106790.	2.1	25
14	Frontispiece: Review and Prospect: Deep Learning in Nuclear Magnetic Resonance Spectroscopy. Chemistry - A European Journal, 2020, 26, .	3.3	3
15	A Fast Self-Learning Subspace Reconstruction Method for Non-Uniformly Sampled Nuclear Magnetic Resonance Spectroscopy. Applied Sciences (Switzerland), 2020, 10, 3939.	2.5	5
16	Phase-constrained reconstruction of high-resolution multi-shot diffusion weighted image. Journal of Magnetic Resonance, 2020, 312, 106690.	2.1	5
17	Review and Prospect: Deep Learning in Nuclear Magnetic Resonance Spectroscopy. Chemistry - A European Journal, 2020, 26, 10391-10401.	3.3	75
18	Image reconstruction with low-rankness and self-consistency of k-space data in parallel MRI. Medical Image Analysis, 2020, 63, 101687.	11.6	36

#	ARTICLE	IF	CITATIONS
19	Salt and Pepper Noise Removal with Multi-Class Dictionary Learning and L0 Norm Regularizations. Algorithms, 2019, 12, 7.	2.1	4
20	Improved Reconstruction of Low Intensity Magnetic Resonance Spectroscopy With Weighted Low Rank Hankel Matrix Completion. IEEE Access, 2018, 6, 4933-4940.	4.2	13
21	Low Rank Enhanced Matrix Recovery of Hybrid Time and Frequency Data in Fast Magnetic Resonance Spectroscopy. IEEE Transactions on Biomedical Engineering, 2018, 65, 809-820.	4.2	26
22	Multi-Contrast Brain MRI Image Super-Resolution With Gradient-Guided Edge Enhancement. IEEE Access, 2018, 6, 57856-57867.	4.2	39
23	Convolutional Neural Networks-Based MRI Image Analysis for the Alzheimer's Disease Prediction From Mild Cognitive Impairment. Frontiers in Neuroscience, 2018, 12, 777.	2.8	253
24	Vandermonde Factorization of Hankel Matrix for Complex Exponential Signal Recovery—Application in Fast NMR Spectroscopy. IEEE Transactions on Signal Processing, 2018, 66, 5520-5533.	5.3	43
25	High-fidelity spectroscopy reconstruction in accelerated NMR. Chemical Communications, 2018, 54, 10958-10961.	4.1	9
26	Single Image Super-Resolution Based on Multi-Scale Competitive Convolutional Neural Network. Sensors, 2018, 18, 789.	3.8	32
27	Joint sparse reconstruction of multi-contrast MRI images with graph based redundant wavelet transform. BMC Medical Imaging, 2018, 18, 7.	2.7	16
28	Hankel Matrix Nuclear Norm Regularized Tensor Completion for N -dimensional Exponential Signals. IEEE Transactions on Signal Processing, 2017, 65, 3702-3717.	5.3	79
29	Multi-contrast brain magnetic resonance image super-resolution using the local weight similarity. BMC Medical Imaging, 2017, 17, 6.	2.7	25
30	Sparse MRI reconstruction using multi-contrast image guided graph representation. Magnetic Resonance Imaging, 2017, 43, 95-104.	1.8	15
31	A Fast Low Rank Hankel Matrix Factorization Reconstruction Method for Non-Uniformly Sampled Magnetic Resonance Spectroscopy. IEEE Access, 2017, 5, 16033-16039.	4.2	30
32	Projected Iterative Soft-Thresholding Algorithm for Tight Frames in Compressed Sensing Magnetic Resonance Imaging. IEEE Transactions on Medical Imaging, 2016, 35, 2130-2140.	8.9	131
33	Spread spectrum compressed sensing MRI using chirp radio frequency pulses. , 2016, , .		41
34	Fast Multiclass Dictionaries Learning With Geometrical Directions in MRI Reconstruction. IEEE Transactions on Biomedical Engineering, 2016, 63, 1850-1861.	4.2	151
35	Image reconstruction of compressed sensing MRI using graph-based redundant wavelet transform. Medical Image Analysis, 2016, 27, 93-104.	11.6	127
36	Balanced Sparse Model for Tight Frames in Compressed Sensing Magnetic Resonance Imaging. PLoS ONE, 2015, 10, e0119584.	2.5	32

#	ARTICLE	IF	CITATIONS
37	Undersampled Hyperspectral Image Reconstruction Based on Surfacelet Transform. Journal of Sensors, 2015, 2015, 1-11.	1.1	7
38	Accelerating patch-based directional wavelets with multicore parallel computing in compressed sensing MRI. Magnetic Resonance Imaging, 2015, 33, 649-658.	1.8	4
39	Karhunen-Loève transform for compressive sampling hyperspectral images. Optical Engineering, 2015, 54, 014106.	1.0	6
40	Salt and Pepper Noise Removal with Noise Detection and a Patch-Based Sparse Representation. Advances in Multimedia, 2014, 2014, 1-14.	0.4	17
41	Parallel Computing of Patch-Based Nonlocal Operator and Its Application in Compressed Sensing MRI. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-6.	1.3	1
42	A Modified Iterative Alternating Direction Minimization Algorithm for Impulse Noise Removal in Images. Journal of Applied Mathematics, 2014, 2014, 1-12.	0.9	1
43	Magnetic resonance image reconstruction from undersampled measurements using a patch-based nonlocal operator. Medical Image Analysis, 2014, 18, 843-856.	11.6	274
44	Magnetic resonance image reconstruction using similarities learnt from multi-modal images. , 2013, , .		1
45	Magnetic resonance image reconstruction using trained geometric directions in 2D redundant wavelets domain and non-convex optimization. Magnetic Resonance Imaging, 2013, 31, 1611-1622.	1.8	57
46	Sparsity-Based Online Missing Data Recovery Using Overcomplete Dictionary. IEEE Sensors Journal, 2012, 12, 2485-2495.	4.7	16
47	Undersampled MRI reconstruction with patch-based directional wavelets. Magnetic Resonance Imaging, 2012, 30, 964-977.	1.8	196
48	Reconstruction of Self-Sparse 2D NMR Spectra from Undersampled Data in the Indirect Dimension. Sensors, 2011, 11, 8888-8909.	3.8	39
49	Sparsity-Based Spatial Interpolation in Wireless Sensor Networks. Sensors, 2011, 11, 2385-2407.	3.8	25
50	Iterative thresholding compressed sensing MRI based on contourlet transform. Inverse Problems in Science and Engineering, 2010, 18, 737-758.	1.2	131
51	Compressed sensing MRI based on nonsubsampling contourlet transform. , 2008, , .		13