Shanshan Wang

List of Publications by Year
in descending order

49 papers	1,914 citations	279798 23 h-index	330143 37 g-index
49 all docs	49 docs citations	49 times ranked	1698 citing authors

#	Article	IF	Citations
1	DIMENSION: Dynamic MR imaging with both kâ€space and spatial prior knowledge obtained via multiâ€supervised network training. NMR in Biomedicine, 2022, 35, e4131.	2.8	53
2	Universal Generative Modeling for Calibration-Free Parallel Mr Imaging. , 2022, , .		1
3	Multi-View Mammographic Density Classification by Dilated and Attention-Guided Residual Learning. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1003-1013.	3.0	38
4	Parameter-Transferred Wasserstein Generative Adversarial Network (PT-WGAN) for Low-Dose PET Image Denoising. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 213-223.	3.7	30
5	D-UNet: A Dimension-Fusion U Shape Network for Chronic Stroke Lesion Segmentation. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 940-950.	3.0	114
6	MRI Based Radiomics Approach With Deep Learning for Prediction of Vessel Invasion in Early-Stage Cervical Cancer. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 995-1002.	3.0	36
7	Homotopic Gradients of Generative Density Priors for MR Image Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 3265-3278.	8.9	15
8	Self-supervised Learning for MRI Reconstruction with a Parallel Network Training Framework. Lecture Notes in Computer Science, 2021, , 382-391.	1.3	8
9	Deep learning for fast MR imaging: A review for learning reconstruction from incomplete k-space data. Biomedical Signal Processing and Control, 2021, 68, 102579.	5.7	43
10	A Coarse-to-Fine Deformable Transformation Framework for Unsupervised Multi-Contrast MR Image Registration with Dual Consistency Constraint. IEEE Transactions on Medical Imaging, 2021, 40, 2589-2599.	8.9	35
11	LANTERN: Learn analysis transform network for dynamic magnetic resonance imaging. Inverse Problems and Imaging, 2021, 15, 1363.	1.1	5
12	Annotation-efficient deep learning for automatic medical image segmentation. Nature Communications, 2021, 12, 5915.	12.8	59
13	Review and Prospect: Artificial Intelligence in Advanced Medical Imaging. Frontiers in Radiology, 2021, 1, .	2.0	37
14	Highly undersampled magnetic resonance imaging reconstruction using autoencoding priors. Magnetic Resonance in Medicine, 2020, 83, 322-336.	3.0	44
15	A comparative study of CNN-based super-resolution methods in MRI reconstruction and its beyond. Signal Processing: Image Communication, 2020, 81, 115701.	3.2	27
16	IFR-Net: Iterative Feature Refinement Network for Compressed Sensing MRI. IEEE Transactions on Computational Imaging, 2020, 6, 434-446.	4.4	48
17	AUNet: attention-guided dense-upsampling networks for breast mass segmentation in whole mammograms. Physics in Medicine and Biology, 2020, 65, 055005.	3.0	89
18	Deeply-Supervised Multi-Dose Prior Learning For Low-Dose Pet Imaging. , 2020, , .		1

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19	Transformed denoising autoencoder prior for image restoration. Journal of Visual Communication and Image Representation, 2020, 72, 102927.	2.8	4
20	Low-Dose Pet Image Restoration With 2D And 3D Network Prior Learning. , 2020, , .		1
21	DeepcomplexMRI: Exploiting deep residual network for fast parallel MR imaging with complex convolution. Magnetic Resonance Imaging, 2020, 68, 136-147.	1.8	120
22	Lymph-vascular space invasion prediction in cervical cancer: Exploring radiomics and deep learning multilevel features of tumor and peritumor tissue on multiparametric MRI. Biomedical Signal Processing and Control, 2020, 58, 101869.	5.7	32
23	High-dimensional embedding network derived prior for compressive sensing MRI reconstruction. Medical Image Analysis, 2020, 64, 101717.	11.6	14
24	High-Dimensional Embedding Denoising Autoencoding Prior for Color Image Restoration. , 2019, , .		0
25	VST-Net: Variance-stabilizing transformation inspired network for Poisson denoising. Journal of Visual Communication and Image Representation, 2019, 62, 12-22.	2.8	17
26	A Network-Driven Prior Induced Bregman Model for Parallel MR Imaging*. , 2019, 2019, 4483-4486.		0
27	MSDF-Net: Multi-Scale Deep Fusion Network for Stroke Lesion Segmentation. IEEE Access, 2019, 7, 178486-178495.	4.2	25
28	Learning Cross-Modal Deep Representations for Multi-Modal MR Image Segmentation. Lecture Notes in Computer Science, 2019, , 57-65.	1.3	34
29	Model-Based Convolutional De-Aliasing Network Learning for Parallel MR Imaging. Lecture Notes in Computer Science, 2019, , 30-38.	1.3	7
30	Field-of-Experts Filters Guided Tensor Completion. IEEE Transactions on Multimedia, 2018, 20, 2316-2329.	7.2	17
31	Improved parallel image reconstruction using feature refinement. Magnetic Resonance in Medicine, 2018, 80, 211-223.	3.0	11
32	Learning Joint-Sparse Codes for Calibration-Free Parallel MR Imaging. IEEE Transactions on Medical Imaging, 2018, 37, 251-261.	8.9	56
33	A Radiomics Approach With CNN for Shear-Wave Elastography Breast Tumor Classification. IEEE Transactions on Biomedical Engineering, 2018, 65, 1935-1942.	4.2	110
34	Sparse and dense hybrid representation via subspace modeling for dynamic MRI. Computerized Medical Imaging and Graphics, 2017, 56, 24-37.	5.8	6
35	Two-Layer Tight Frame Sparsifying Model for Compressed Sensing Magnetic Resonance Imaging. BioMed Research International, 2016, 2016, 1-7.	1.9	3
36	Sparse Parallel MRI Based on Accelerated Operator Splitting Schemes. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-14.	1.3	3

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37	Foreground Detection With Simultaneous Dictionary Learning and Historical Pixel Maintenance. IEEE Transactions on Image Processing, 2016, 25, 5035-5049.	9.8	6
38	Accelerating magnetic resonance imaging via deep learning. , 2016, 2016, 514-517.		455
39	Iterative feature refinement for accurate undersampled MR image reconstruction. Physics in Medicine and Biology, 2016, 61, 3291-3316.	3.0	20
40	Parallel imaging via sparse representation over a learned dictionary. , 2015, , .		5
41	Undersampled MR Image Reconstruction with Data-Driven Tight Frame. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-10.	1.3	10
42	Dictionary learning based impulse noise removal via L1â€“L1 minimization. Signal Processing, 2013, 93, 2696-2708.	3.7	52
43	Adaptive Dictionary Learning in Sparse Gradient Domain for Image Recovery. IEEE Transactions on Image Processing, 2013, 22, 4652-4663.	9.8	90
44	Fenchel Duality Based Dictionary Learning for Restoration of Noisy Images. IEEE Transactions on Image Processing, 2013, 22, 5214-5225.	9.8	15
45	Magnetic resonance image restoration via dictionary learning under spatially adaptive constraints. , 2013, 2013, 4030-3.		2
46	Highly Undersampled Magnetic Resonance Image Reconstruction Using Two-Level Bregman Method With Dictionary Updating. IEEE Transactions on Medical Imaging, 2013, 32, 1290-1301.	8.9	66
47	A novel predual dictionary learning algorithm. Journal of Visual Communication and Image Representation, 2012, 23, 182-193.	2.8	17
48	An augmented Lagrangian approach to general dictionary learning for image denoising. Journal of Visual Communication and Image Representation, 2012, 23, 753-766.	2.8	24
49	An augmented Lagrangian multi-scale dictionary learning algorithm. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	9