

Il Yong Chun

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

584
citations

840728

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docs citations

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times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Momentum-Net: Fast and Convergent Iterative Neural Network for Inverse Problems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 4915-4931.	13.9	52
2	An improved iterative neural network for high-quality image-domain material decomposition in dual-energy CT. Medical Physics, 2023, 50, 2195-2211.	3.0	4
3	Neural network based 3D tracking with a graphene transparent focal stack imaging system. Nature Communications, 2021, 12, 2413.	12.8	16
4	Uniform recovery from subgaussian multi-sensor measurements. Applied and Computational Harmonic Analysis, 2020, 48, 731-765.	2.2	3
5	Convolutional Analysis Operator Learning: Acceleration and Convergence. IEEE Transactions on Image Processing, 2020, 29, 2108-2122.	9.8	33
6	Improved Low-Count Quantitative PET Reconstruction With an Iterative Neural Network. IEEE Transactions on Medical Imaging, 2020, 39, 3512-3522.	8.9	43
7	Image-Domain Material Decomposition Using an Iterative Neural Network for Dual-Energy CT. , 2020, , .		6
8	Ranging and light field imaging with transparent photodetectors. Nature Photonics, 2020, 14, 143-148.	31.4	80
9	Momentum-Net for Low-Dose CT Image Reconstruction. , 2020, , .		5
10	Convolutional Analysis Operator Learning: Dependence on Training Data. IEEE Signal Processing Letters, 2019, 26, 1137-1141.	3.6	12
11	Every hit matters: White matter diffusivity changes in high school football athletes are correlated with repetitive head acceleration event exposure. NeuroImage: Clinical, 2019, 24, 101930.	2.7	27
12	Incorporating Handcrafted Filters in Convolutional Analysis Operator Learning for Ill-Posed Inverse Problems. , 2019, , .		3
13	BCD-Net for Low-Dose CT Reconstruction: Acceleration, Convergence, and Generalization. Lecture Notes in Computer Science, 2019, , 31-40.	1.3	16
14	Convolutional Dictionary Learning: Acceleration and Convergence. IEEE Transactions on Image Processing, 2018, 27, 1697-1712.	9.8	102
15	Convolutional analysis operator learning: Application to sparse-view CT : (Invited Paper). , 2018, , .		3
16	Fast and convergent iterative image recovery using trained convolutional neural networks. , 2018, , .		3
17	Application of trained Deep BCD-Net to iterative low-count PET image reconstruction. , 2018, , .		8
18	Compressed Sensing and Parallel Acquisition. IEEE Transactions on Information Theory, 2017, 63, 4860-4882.	2.4	64

#	ARTICLE	IF	CITATIONS
19	Convergent convolutional dictionary learning using Adaptive Contrast Enhancement (CDL-ACE): Application of CDL to image denoising. , 2017, , .		8
20	Physics-driven deep training of dictionary-based algorithms for MR image reconstruction. , 2017, , .		11
21	Sparsity and parallel acquisition: Optimal uniform and nonuniform recovery guarantees. , 2016, , .		2
22	Mean Squared Error (MSE)-Based Excitation Pattern Design for Parallel Transmit and Receive SENSE MRI Image Reconstruction. IEEE Transactions on Computational Imaging, 2016, , 1-1.	4.4	4
23	Optimal sparse recovery for multi-sensor measurements. , 2016, , .		4
24	Efficient Compressed Sensing SENSE pMRI Reconstruction With Joint Sparsity Promotion. IEEE Transactions on Medical Imaging, 2016, 35, 354-368.	8.9	75