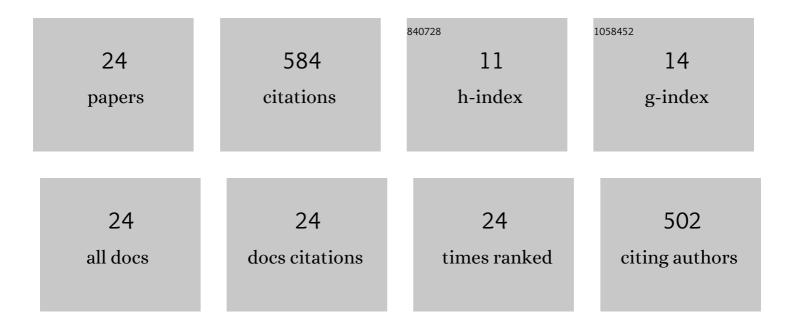
## Il Yong Chun

List of Publications by Year in descending order

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LI YONG CHUN

| #  | 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 highâ€quality imageâ€domain material decomposition in<br>dualâ€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<br>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<br>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<br>Problems. , 2019, , .  |      | 3         |
| 13 | BCD-Net for Low-Dose CT Reconstruction: Acceleration, Convergence, and Generalization. Lecture<br>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        |

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Convergent convolutional dictionary learning using Adaptive Contrast Enhancement (CDL-ACE):<br>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<br>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        |