Li Xiao

List of Publications by Year
in descending order

36 papers	446 citations	686830 13 h-index	794141 19 g-index
36 all docs	36 docs citations	36 times ranked	290 citing authors

#	Article	IF	Citations
1	Multi-Stage Robust Chinese Remainder Theorem. IEEE Transactions on Signal Processing, 2014, 62, 4772-4785.	3.2	48
2	Multi-Hypergraph Learning-Based Brain Functional Connectivity Analysis in fMRI Data. IEEE Transactions on Medical Imaging, 2020, 39, 1746-1758.	5.4	36
3	Sampling theorems for signals periodic in the linear canonical transform domain. Optics Communications, 2013, 290, 14-18.	1.0	30
4	Frequency determination from truly sub-Nyquist samplers based on robust Chinese remainder theorem. Signal Processing, 2018, 150, 248-258.	2.1	27
5	A Manifold Regularized Multi-Task Learning Model for IQ Prediction From Two fMRI Paradigms. IEEE Transactions on Biomedical Engineering, 2020, 67, 796-806.	2.5	27
6	Towards Robustness in Residue Number Systems. IEEE Transactions on Signal Processing, 2017, 65, 1497-1510.	3.2	26
7	Radial Velocity Retrieval for Multichannel SAR Moving Targets With Time–Space Doppler Deambiguity. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 35-48.	2.7	26
8	Alternating Diffusion Map Based Fusion of Multimodal Brain Connectivity Networks for IQ Prediction. IEEE Transactions on Biomedical Engineering, 2019, 66, 2140-2151.	2.5	25
9	Functional connectome fingerprinting: Identifying individuals and predicting cognitive functions via autoencoder. Human Brain Mapping, 2021, 42, 2691-2705.	1.9	23
10	Ensemble Manifold Regularized Multi-Modal Graph Convolutional Network for Cognitive Ability Prediction. IEEE Transactions on Biomedical Engineering, 2021, 68, 3564-3573.	2.5	20
11	Uncertainty principles associated with the offset linear canonical transform. Mathematical Methods in the Applied Sciences, 2019, 42, 466-474.	1.2	19
12	Error Correction in Polynomial Remainder Codes With Non-Pairwise Coprime Moduli and Robust Chinese Remainder Theorem for Polynomials. IEEE Transactions on Communications, 2015, 63, 605-616.	4.9	14
13	A Generalized Chinese Remainder Theorem for Two Integers. IEEE Signal Processing Letters, 2014, 21, 55-59.	2.1	13
14	A new robust Chinese remainder theorem with improved performance in frequency estimation from undersampled waveforms. Signal Processing, 2015, 117, 242-246.	2.1	11
15	Multiview Diffusion Map Improves Prediction of Fluid Intelligence With Two Paradigms of fMRI Analysis. IEEE Transactions on Biomedical Engineering, 2021, 68, 2529-2539.	2.5	11
16	Multi-Modal Imaging Genetics Data Fusion via a Hypergraph-Based Manifold Regularization: Application to Schizophrenia Study. IEEE Transactions on Medical Imaging, 2022, 41, 2263-2272.	5.4	10
17	New Conditions on Achieving the Maximal Possible Dynamic Range for a Generalized Chinese Remainder Theorem of Multiple Integers. IEEE Signal Processing Letters, 2015, 22, 2199-2203.	2.1	8
18	Exact and Robust Reconstructions of Integer Vectors Based on Multidimensional Chinese Remainder Theorem (MD-CRT). IEEE Transactions on Signal Processing, 2020, 68, 5349-5364.	3.2	7

#	Article	IF	Citations
19	Multi-Paradigm fMRI Fusion via Sparse Tensor Decomposition in Brain Functional Connectivity Study. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1712-1723.	3.9	7
20	Robust Polynomial Reconstruction via Chinese Remainder Theorem in the Presence of Small Degree Residue Errors. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1778-1782.	2.2	6
21	A deep autoencoder with sparse and graph Laplacian regularization for characterizing dynamic functional connectivity during brain development. Neurocomputing, 2021, 456, 97-108.	3.5	6
22	Examining brain maturation during adolescence using graph Laplacian learning based Fourier transform. Journal of Neuroscience Methods, 2020, 338, 108649.	1.3	5
23	Correlation Guided Graph Learning to Estimate Functional Connectivity Patterns From fMRI Data. IEEE Transactions on Biomedical Engineering, 2021, 68, 1154-1165.	2.5	5
24	Brain Functional Connectivity Analysis via Graphical Deep Learning. IEEE Transactions on Biomedical Engineering, 2022, 69, 1696-1706.	2.5	5
25	Distance Correlation-Based Brain Functional Connectivity Estimation and Non-Convex Multi-Task Learning for Developmental fMRI Studies. IEEE Transactions on Biomedical Engineering, 2022, 69, 3039-3050.	2.5	5
26	Minimum Degree-Weighted Distance Decoding for Polynomial Residue Codes With Non-Coprime Moduli. IEEE Wireless Communications Letters, 2017, 6, 558-561.	3.2	4
27	Causality-Based Feature Fusion for Brain Neuro-Developmental Analysis. IEEE Transactions on Medical Imaging, 2020, 39, 3290-3299.	5.4	4
28	A hypergraph learning method for brain functional connectivity network construction from fMRI data. , 2020, , .		4
29	Co-prime Sensing-Based Frequency Estimation Using Reduced Single-Tone Snapshots. Circuits, Systems, and Signal Processing, 2016, 35, 3355-3366.	1.2	3
30	New Conditions on Stable Recovery of Weighted Sparse Signals via Weighted $$l_1$$ l 1 Minimization. Circuits, Systems, and Signal Processing, 2018, 37, 2866-2883.	1.2	3
31	Functional network estimation using multigraph learning with application to brain maturation study. Human Brain Mapping, 2021, 42, 2880-2892.	1.9	3
32	A graph deep learning model for the classification of groups with different IQ using resting state fMRI. , 2020, , .		3
33	Scalable antinoise-robustness estimation of frequency and direction of arrival based on the relaxed sparse array. Multidimensional Systems and Signal Processing, 2019, 30, 1345-1361.	1.7	2
34	A robust Chinese Remainder Theorem with applications in error correction coding. , 2015, , .		0
35	Multivariate Dynamical Sampling in and Shift-Invariant Spaces Associated with Linear Canonical Transform. Numerical Functional Analysis and Optimization, 0, , 1-17.	0.6	0
36	Functional connectomes incorporating phase synchronization for the characterization and prediction of individual differences. Journal of Neuroscience Methods, 2022, 372, 109539.	1.3	0