

# Chong-Yaw Wee

## List of Publications by Citations

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72  
papers

3,089  
citations

31  
h-index

55  
g-index

74  
ext. papers

3,734  
ext. citations

4.1  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
72	Identification of MCI individuals using structural and functional connectivity networks. <i>NeuroImage</i> , <b>2012</b> , 59, 2045-56	7.9	291
71	Enriched white matter connectivity networks for accurate identification of MCI patients. <i>NeuroImage</i> , <b>2011</b> , 54, 1812-22	7.9	168
70	State-space model with deep learning for functional dynamics estimation in resting-state fMRI. <i>NeuroImage</i> , <b>2016</b> , 129, 292-307	7.9	163
69	Prediction of Alzheimer's disease and mild cognitive impairment using cortical morphological patterns. <i>Human Brain Mapping</i> , <b>2013</b> , 34, 3411-25	5.9	161
68	Inter-modality relationship constrained multi-modality multi-task feature selection for Alzheimer's Disease and mild cognitive impairment identification. <i>NeuroImage</i> , <b>2014</b> , 84, 466-75	7.9	150
67	High-order resting-state functional connectivity network for MCI classification. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 3282-96	5.9	144
66	DICCCOL: dense individualized and common connectivity-based cortical landmarks. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 786-800	5.1	121
65	Group-constrained sparse fMRI connectivity modeling for mild cognitive impairment identification. <i>Brain Structure and Function</i> , <b>2014</b> , 219, 641-56	4	113
64	On the computational aspects of Zernike moments. <i>Image and Vision Computing</i> , <b>2007</b> , 25, 967-980	3.7	112
63	Sparse temporally dynamic resting-state functional connectivity networks for early MCI identification. <i>Brain Imaging and Behavior</i> , <b>2016</b> , 10, 342-56	4.1	110
62	Resting-state multi-spectrum functional connectivity networks for identification of MCI patients. <i>PLoS ONE</i> , <b>2012</b> , 7, e37828	3.7	99
61	Evaluation of machine learning algorithms for treatment outcome prediction in patients with epilepsy based on structural connectome data. <i>NeuroImage</i> , <b>2015</b> , 118, 219-30	7.9	95
60	Integration of network topological and connectivity properties for neuroimaging classification. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 576-89	5	89
59	Topological graph kernel on multiple thresholded functional connectivity networks for mild cognitive impairment classification. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 2876-97	5.9	77
58	Neurodegenerative disease diagnosis using incomplete multi-modality data via matrix shrinkage and completion. <i>NeuroImage</i> , <b>2014</b> , 91, 386-400	7.9	76
57	Hyper-connectivity of functional networks for brain disease diagnosis. <i>Medical Image Analysis</i> , <b>2016</b> , 32, 84-100	15.4	65
56	Diagnosis of autism spectrum disorders using regional and interregional morphological features. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 3414-30	5.9	64

55	Identification of infants at high-risk for autism spectrum disorder using multiparameter multiscale white matter connectivity networks. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 4880-96	5.9	58
54	Joint feature-sample selection and robust diagnosis of Parkinson's disease from MRI data. <i>NeuroImage</i> , <b>2016</b> , 141, 206-219	7.9	57
53	Disrupted brain functional network in internet addiction disorder: a resting-state functional magnetic resonance imaging study. <i>PLoS ONE</i> , <b>2014</b> , 9, e107306	3.7	56
52	A brief review on multi-task learning. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 29705-29725	2.5	51
51	Multi-task diagnosis for autism spectrum disorders using multi-modality features: A multi-center study. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 3081-3097	5.9	50
50	Diagnosis of Autism Spectrum Disorders Using Temporally Distinct Resting-State Functional Connectivity Networks. <i>CNS Neuroscience and Therapeutics</i> , <b>2016</b> , 22, 212-9	6.8	45
49	Multiple-network classification of childhood autism using functional connectivity dynamics. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 17, 177-84	0.9	44
48	Image quality assessment by discrete orthogonal moments. <i>Pattern Recognition</i> , <b>2010</b> , 43, 4055-4068	7.7	38
47	Supervised Discriminative Group Sparse Representation for Mild Cognitive Impairment Diagnosis. <i>Neuroinformatics</i> , <b>2015</b> , 13, 277-95	3.2	37
46	Altered modular organization of structural cortical networks in children with autism. <i>PLoS ONE</i> , <b>2013</b> , 8, e63131	3.7	37
45	Multimodal hyper-connectivity of functional networks using functionally-weighted LASSO for MCI classification. <i>Medical Image Analysis</i> , <b>2019</b> , 52, 80-96	15.4	34
44	Cortical graph neural network for AD and MCI diagnosis and transfer learning across populations. <i>NeuroImage: Clinical</i> , <b>2019</b> , 23, 101929	5.3	32
43	New computational methods for full and subset Zernike moments. <i>Information Sciences</i> , <b>2004</b> , 159, 203-220	7.7	32
42	Identification of progressive mild cognitive impairment patients using incomplete longitudinal MRI scans. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 3979-3995	4	31
41	Constrained sparse functional connectivity networks for MCI classification. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 15, 212-9	0.9	29
40	Enhancing the representation of functional connectivity networks by fusing multi-view information for autism spectrum disorder diagnosis. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 833-854	5.9	28
39	Sparse multivariate autoregressive modeling for mild cognitive impairment classification. <i>Neuroinformatics</i> , <b>2014</b> , 12, 455-69	3.2	24
38	Efficient computation of radial moment functions using symmetrical property. <i>Pattern Recognition</i> , <b>2006</b> , 39, 2036-2046	7.7	22

37	High-order graph matching based feature selection for Alzheimer's disease identification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 311-8	0.9	22
36	Novel Effective Connectivity Inference Using Ultra-Group Constrained Orthogonal Forward Regression and Elastic Multilayer Perceptron Classifier for MCI Identification. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 1227-1239	11.7	22
35	Neonatal neural networks predict children behavioral profiles later in life. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 1362-1373	5.9	20
34	Discriminative Group Sparse Representation for Mild Cognitive Impairment Classification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 131-138	0.9	19
33	Multilevel Deficiency of White Matter Connectivity Networks in Alzheimer's Disease: A Diffusion MRI Study with DTI and HARDI Models. <i>Neural Plasticity</i> , <b>2016</b> , 2016, 2947136	3.3	19
32	Multi-task feature selection via supervised canonical graph matching for diagnosis of autism spectrum disorder. <i>Brain Imaging and Behavior</i> , <b>2016</b> , 10, 33-40	4.1	16
31	Fast computation of geometric moments using a symmetric kernel. <i>Pattern Recognition</i> , <b>2008</b> , 41, 2369-2380	7.3	16
30	MCI Identification by Joint Learning on Multiple MRI Data. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9350, 78-85	0.9	15
29	Maternal sensitivity predicts anterior hippocampal functional networks in early childhood. <i>Brain Structure and Function</i> , <b>2019</b> , 224, 1885-1895	4	14
28	Improving Estimation of Fiber Orientations in Diffusion MRI Using Inter-Subject Information Sharing. <i>Scientific Reports</i> , <b>2016</b> , 6, 37847	4.9	13
27	MRI-based intelligence quotient (IQ) estimation with sparse learning. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117295	3.7	12
26	Inter-modality relationship constrained multi-task feature selection for AD/MCI classification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 308-15	0.9	11
25	Large deformation image classification using generalized locality-constrained linear coding. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 292-9	0.9	10
24	Behavioral Heterogeneity in Relation with Brain Functional Networks in Young Children. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 3322-3331	5.1	9
23	Temporally Dynamic Resting-State Functional Connectivity Networks for Early MCI Identification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 139-146	0.9	8
22	Machine Learning Techniques for AD/MCI Diagnosis and Prognosis. <i>Intelligent Systems Reference Library</i> , <b>2014</b> , 147-179	0.8	7
21	Identification of Infants at Risk for Autism Using Multi-parameter Hierarchical White Matter Connectomes. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9352, 170-177	0.9	6
20	Identification of MCI using optimal sparse MAR modeled effective connectivity networks. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 319-327	0.9	5

19	Fusion of ULS Group Constrained High- and Low-Order Sparse Functional Connectivity Networks for MCI Classification. <i>Neuroinformatics</i> , <b>2020</b> , 18, 1-24	3.2	5
18	Sorting of rice grains using Zernike moments. <i>Journal of Real-Time Image Processing</i> , <b>2009</b> , 4, 353-363	1.9	4
17	Classification of rice grains using fuzzy artmap neural network		4
16	Image sharpness measure using eigenvalues <b>2008</b> ,		3
15	Integrating Multiple Network Properties for MCI Identification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 9-16	0.9	3
14	Multimodal Hyper-connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10433, 433-441	0.9	2
13	Quality Assessment of Gaussian Blurred Images Using Symmetric Geometric Moments <b>2007</b> ,		2
12	Fast Computation of Zernike Moments For Rice Sorting System <b>2007</b> ,		2
11	Block-Based Statistics for Robust Non-parametric Morphometry. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9467, 62-70	0.9	2
10	Angular Resolution Enhancement of Diffusion MRI Data Using Inter-Subject Information Transfer. <i>Mathematics and Visualization</i> , <b>2016</b> , 2016, 145-157	0.6	2
9	Novel Effective Connectivity Network Inference for MCI Identification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 2017, 316-324	0.9	2
8	Joint Feature-Sample Selection and Robust Classification for Parkinson's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 127-136	0.9	2
7	Structural Connectivity Guided Sparse Effective Connectivity for MCI Identification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 299-306	0.9	2
6	Identification of individuals with MCI via multimodality connectivity networks. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 14, 277-84	0.9	2
5	Fronto-parietal numerical networks in relation with early numeracy in young children. <i>Brain Structure and Function</i> , <b>2019</b> , 224, 263-275	4	2
4	Structural Feature Selection for Connectivity Network-Based MCI Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 175-184	0.9	1
3	Brain Disease Classification and Progression Using Machine Learning Techniques <b>2014</b> , 3-32		1
2	Fusion of High-Order and Low-Order Effective Connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 2017, 307-315	0.9	0

- 1 Adaptive Functional Connectivity Network Using Parallel Hierarchical BiLSTM for MCI Diagnosis.  
*Lecture Notes in Computer Science*, **2019**, 507-515

0.9