**2019**

[93] Li Wang, Paul M. Thompson and Dajiang Zhu, Analyzing Mild Cognitive Impairment Progression via Multi-view Structural Learning, International Conference on Information Processing in Medical Imaging (IPMI'19), 2019

[92] Li Wang, Lu Zhang and Dajiang Zhu, Accessing Latent Connectome of Mild Cognitive Impairment via Discriminant Structure Learning, IEEE International Symposium on Biomedical Imaging (ISBI'19), 2019

[91] Shu Zhang, Qinglin Dong, Wei Zhang, Heng Huang, Dajiang Zhu, Tianmig Liu, Discovering Hierarchical Common Brain Networks via Multimodal Deep Belief Network, Medical Image Analysis. 2019 (impact factor 5.356)

**2018**

[90] Shu Zhang, Tianming Liu, Dajiang Zhu, Exploring Fiber Skeletons via Joint Representation of Functional Networks and Structural Connectivity, International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI) 2018

[89] Dajiang Zhu D, Li Wang, Exploring latent structures of Alzheimer's disease via structure learning, IEEE 15th International Symposium on Biomedical Imaging (ISBI) 2018

[88] Li Wang, Dajiang Zhu, Yujie Chi, Efficient Test-Time Predictor Learning with Group-Based Budget. In Thirty-Second AAAI Conference on Artificial Intelligence (AAAI) 2018

[87] Wei Zhang, Jinglei Lv, Xiang Li, Dajiang Zhu, Xi Jiang, Shu Zhang, Yu Zhao, Lei Guo, JiepingYe, Dewen Hu, Tianming Liu, Experimental comparisons of sparse dictionary learning and independent component analysis for brain network inference from fMRI data. IEEE Transactions on Biomedical Engineering, 2019 (impact factor 4.288)

**2017**

[86] Zhu, Dajiang, Brandalyn C. Riedel, Neda Jahanshad, Nynke A. Groenewold, Dan J. Stein, Ian H. Gotlib, Matthew D. Sacchet et al. "Classification of major depressive disorder via multi-site weighted LASSO model." In International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI), pp. 159-167. Springer, Cham, 2017.

[85] Zhu D, Li Q, Riedel BC, Jahanshad N, Hibar DP, Veer IM, Walter H, Schmaal L, Veltman DJ, Grotegerd D, Dannlowski U. Large-scale classification of major depressive disorder via distributed Lasso. In12th International Symposium on Medical Information Processing and Analysis (SIPAIM), 2017

**2016**

[84] Dajiang Zhu, Binbin Lin, Joshua Faskowitz, Jieping Ye, Paul Thompson, Embedded Sparse Representation of fMRI Data via Group-wise dictionary Optimization, Porc. SPIE, Medical Imaging 2016 (Oral presentation)

[83] Dajiang Zhu, Neda Jahanshad, Brandy Riedel, Liang Zhan, Joshua Faskowitz, Gautam Prasad, Paul Thompson, Population Learning of Structural Connectivity by White Matter Encoding and Decoding, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2016 (Oral presentation)

**2015**

[82] Jinglei Lv\*, Xi Jiang\*, Xiang Li\*, Dajiang Zhu\*, Shu Zhang, Shijie Zhao, Hanbo Chen, Tuo Zhang, Xintao Hu, Junwei Han, Jieping Ye, Lei Guo,  Tianming Liu, Holistic Atlases of Functional Networks and Interactions Reveal Reciprocal Organizational Architecture of Cortical Function, \*These authors contributed equally to this work, in press, IEEE Transactions on Biomedical Engineering, 2015 (impact factor 2.233)

[81] Dajiang Zhu, Liang Zhan, Joshua Faskowitz, Madelaine Daianu, Neda Jahanshad, Greig I. deZubicaray, Katie L. McMahon, Nicholas G. Martin, Margaret J. Wright, Paul M. Thompson, Genetic Analysis of Structural Brain Connectivity Using DICCCOL Models of Diffusion MRI in 522 Twins, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2015 (Oral presentation)

[80] Jinglei Lv, Xi Jiang, Xiang Li, Dajiang Zhu, Shijie Zhao, Tuo Zhang, Xintao Hu, Junwei Han, Lei Guo, Zhihao Li, Claire Coles, Xiaoping Hu\*, Tianming Liu\*, Assessing Effects of Prenatal Alcohol Exposure Using Group-wise Sparse Representation of FMRI Data, \*Joint correspondence authors. In press, Psychiatry Research: Neuroimaging, 2015 (impact factor 2.424)

[79] Bao Ge, Yin Tian, Xintao Hu, Hanbo Chen, Dajiang Zhu, Tuo Zhang, Junwei Han, Lei Guo, Tianming Liu, Construction of Multi-scale Consistent Brain Networks: Methods and Applications, in press, PLoS One, 2015 (impact factor 3.234)

[78] Jun Fang, Xintao Hu, Junwei Han, Xi Jiang, Dajiang Zhu, Lei Guo, Tianming Liu, Data-driven Analysis of Functional brain Interactions During Free Listening To Music and Speech, 9(2):162-177, Brain Imaging and Behavior, 2015 (impact factor 3.385)

[77] Liang Zhan, Neda Jahanshad, Joshua Faskowitz, Dajiang Zhu, Gautam Prasad, Nicholas G. Martin, Greig I. deZubicaray, Katie L. McMahon, Margaret J. Wright, Paul M. Thompson, Heritability Of Brain Network Topology in 853 Twins and Siblings. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2015

**2014**

[76] Xi Jiang, Xin Zhang, Dajiang Zhu\*, Intrinsic Functional Component Analysis via Sparse Representation on ADNI Database, Brain Connectivity, 4(8):575-86, 2014 \*Corresponding author

[75] Dajiang Zhu, Jinglei Lv, Hanbo Chen, Tianming Liu, Group-wise Optimization of Common Brain Landmarks with Joint Structural and Functional Regulations, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI) , 2014

[74] Dajiang Zhu, Dinggang Shen, Tianming Liu, Connectomics signature for characterization of mild cognitive impairment and schizophrenia, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[73] Dajiang Zhu, Tianming Liu, Sparse representation of working memory processes based on fMRI data, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[72] Jinglei Lv\*, Xi Jiang\*, Xiang Li\*, Dajiang Zhu, Hanbo Chen, Tuo Zhang, Shu Zhang, Xintao Hu, Junwei Han, Heng Huang, Jing Zhang, Lei Guo, Tianming Liu, Sparse Representation of Whole-brain FMRI Signals for Identification of Functional Networks, \*These authors contributed equally to this work, in press, Medical Image Analysis, doi:http://dx.doi.org/10.1016/j.media.2014.10.011, 2014 (5-year impact factor 4.662)

[71] Jinli Ou, Li Xie, Xiang Li, Dajiang Zhu, Douglas P. Terry, A. Nicholas Puente, Rongxin Jiang,  Yaowu Chen, Lihong Wang, Dinggang Shen, Jing Zhang, L. Stephen Miller, Tianming Liu, Atomic Connectomics Signatures for Characterization and Differentiation of Mild Cognitive Impairment, Brain Imaging and Behavior, in press, 2014 (impact factor 3.385)

[70] Jinli Ou, Li Xie, Changfeng Jin, Xiang Li, Dajiang Zhu, Rongxin Jiang, Yaowu Chen,  Jing Zhang, Lingjiang Li, and Tianming Liu, Characterizing and Differentiating Brain State Dynamics via Hidden Markov Models, Brain Topography, in press, 2014 (impact factor 2.519)

[69] Xi Jiang, Tuo Zhang, Dajiang Zhu, Kaiming Li, Hanbo Chen, Jinglei Lv, Xintao Hu, Junwei Han, Dinggang Shen, Lei Guo, Tianming Liu, Anatomy-guided Dense Individualized and Common Connectivity-based Cortical Landmarks (A-DICCCOL), IEEE Transactions on Biomedical Engineering, in press, 2014 (impact factor 2.233)

[68] Jinli Ou, Zhichao Lian, Li Xie, Xiang Li, Peng Wang, Yun Hao, Dajiang Zhu, Rongxin Jiang,  Yufeng Wang, Yaowu Chen, Jing Zhang, Tianming Liu, Atomic Dynamic Fuctional Interaction Patterns For Characterization of ADHD, Human Brain Mapping, in press, 2014 (impact factor 6.878)

[67] Xin Zhang, Xiang Li, Changfeng Jin, Hanbo Chen, Kaiming Li, Dajiang Zhu, Xi Jiang, Tuo Zhang,  Jinglei Lv, Xintao Hu, Junwei Han, Qun Zhao, Lei Guo and Tianming Liu, Identifying and Characterizing Resting State Networks in Temporally Dynamic Functional Connectomes, Brain Topography, 27(6):745-765, 2014 (impact factor 2.519)

[66] Jinglei Lv, Lei Guo, Dajiang Zhu, Tuo Zhang, Xintao Hu, Junwei Han, Tianming Liu, Group-wise fMRI Activation Detection on DICCCOL Landmarks, Neuroinformatics, 12(4):513-534, 2014 (impact factor 3.136)

[65] Jinglei Lv, Tuo Zhang, Xintao Hu, Dajiang Zhu, Kaiming Li, Lei Guo, Tianming Liu, Group-wise connection activation detection based on DICCCOL, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[64] Tuo Zhang, Dajiang Zhu, Xi Jiang, Lei Guo, Tianming Liu, Group-wise consistent cortical parcellation based on DTI-derived connectional profiles, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[63] Xi Jiang, Jinglei Lv, Dajiang Zhu, Tuo Zhang, Xiang LI, Xintao Hu, Lei Guo, Tianming Liu, Discovering network-level functional interactions from working memory fMRI data, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[62] Xi Jiang, Jinglei Lv, Dajiang Zhu, Tuo Zhang, Xintao Hu, Lei Guo, Tianming Liu, Integrating group-wise functional brain activities via point processes, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[61] Zhichao Lian, Xiang LI, Jianchuan Xing, Jinglei Lv, Xi Jiang, Dajiang Zhu, Jiansong Xu, Marc N. Potenza, Tianming Liu, Jing Zhang, Exploring functional brain dynamics via a Bayesian connectivity change point model, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[60] Zhichao Lian, Jinglei Lv, Jianchuan Xing, Xiang LI, Xi Jiang, Dajiang Zhu, Jiansong Xu, Marc N. Potenza, Tianming Liu, Jing Zhang. Generalized fMRI activation detection via Bayesian magnitude change point model, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[59] Shijie Zhao, Xi Jiang, Junwei Han, Xintao Hu, Dajiang Zhu, Jinglei Lv, Tuo Zhang, Lei Guo, Tianming Liu, Decoding Auditory Saliency From fMRI Brain Imaging, accepted. ACM Multimedia, 2014

[58] Hanbo Chen, kaiming li, Dajiang Zhu, Lei Guo, Tianming Liu, Group-wise optimization and individualized prediction of structural connectomes, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[57] Zhichao Lian, Xiang Li, thomas young, Yun Hao, Jianchuan Xing, Jinglei Lv, Xi Jiang, Dajiang Zhu, Tianming Liu, Jing Zhang, Dynamic network partition via Bayesian connectivity bi-partition change point model, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

[56] Zhichao Lian, Xiang Li, Hongmiao Zhang, Hui Kuang, Kun Xie, Jianchuan Xing, Dajiang Zhu, Joe Z. Tsien, Tianming Liu, Jing Zhang, Detecting cell assembly interaction patterns via Bayesian based change-point detection and graph inference model, accepted. International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2014

**2013**

[55] Dajiang Zhu, Tuo Zhang, Xi Jiang, Xintao Hu, Ning Yang, Jinglei Lv,  Junwei Han, Lei Guo, Tianming Liu, Fusing DTI and FMRI Data: A Survey of Methods and Applications, invited paper, NeuroImage, doi: 10.1016/j.neuroimage.2013.09.071. 2013 (5-year impact factor 7.063)

[54] Dajiang Zhu, Kaiming Li, Douglas P. Terry, A. Nicholas Puente, Lihong Wang, Dinggang Shen, L. Stephen Miller, Tianming Liu, Connectome-scale Assessments of Structural and Functional Connectivity in MCI, Human Brain Mapping, doi: 10.1002/hbm.22373. 2013 (impact factor 6.878)

[53] Dajiang Zhu, Xiang Li, Xi Jiang, Hanbo Chen, Dinggang Shen, Tianming Liu, Exploring High-Order Functional Interactions via Structurally-Weighted LASSO Models, Information Processing in Medical Imaging (IPMI), pp 13-24, 2013 (Oral presentation)

[52] Dajiang Zhu, Dinggang Shen, Tianming Liu, Inferring Functional Network-based Signatures via Structurally-weighted LASSO Model, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2013

[51] Peng Wang\*, Dajiang Zhu\*, Hanbo Chen, Xi Jiang, Li Sun, Qingjiu Cao, An Li, Tianming Liu, Yufeng Wang, Identifying Functional Connectomics Abnormality in Attention Deficit Hyperactivity Disorder, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2013. \*Joint first authors

[50] Xi Jiang, Dajiang Zhu, Kaiming Li, Tuo Zhang,  Lihong Wang, Dinggang Shen, Lei Guo, Tianming Liu, Predictive Models of Resting State Networks for Assessment of Altered Functional Connectivity in Mild Cognitive Impairment, in press, Brain Imaging and Behavior, 2013 (impact factor 2.667)

[49] Jing Zhang\*, Xiang Li, Cong Li, Zhichao Lian, Xiu Huang, Guocheng Zhong,  Dajiang Zhu, Kaiming Li, Changfeng Jin, Xintao Hu, Junwei Han,  Lei Guo, Xiaoping Hu, Lingjiang Li, Tianming Liu\*, Inferring Functional Interaction and Transition Patterns via  Dynamic Bayesian Variable Partition Models, \*Joint corresponding authors, Human Brain Mapping, doi: 10.1002/hbm.22404. 2013 (impact factor 6.878)

[48] Joe Z. Tsien, Meng Li, Remus Osan, Guifen Chen, Longian Lin, Phillip Lei Wang, Sabine Frey, Julietta Frey, Dajiang Zhu, Tianming Liu, Fang Zhao, Hui Kuang, On initial Brain Activity Mapping of associative memory code in the hippocampus, Neurobiology of Learning and Memory, 105:200-10. 2013 (5-year impact factor 3.860)

[47] Xin Zhang, Lei Guo, Xiang Li, Tuo Zhang, Dajiang Zhu, Kaiming Li, Hanbo Chen, Jinglei Lv, Changfeng Jin, Qun Zhao, Lingjiang Li, Tianming Liu, Characterization of Task-free and Task-performance Brain States via Functional Connectome Patterns, Medical Image Analysis, 17(8):1106-22. 2013 (5-year impact factor 4.662)

[46] Fan Deng, Xi Jiang, Dajiang Zhu, Tuo Zhang, Kaiming Li, Lei Guo, Tianming Liu, A functional model of cortical gyri and sulci, in press, Brain Structure and Function, 2013 (impact factor 7.837)

[45] Hanbo Chen, Kaiming Li, Dajiang Zhu, Xi Jiang, Yixuan Yuan, Peili Lv, Tuo Zhang, Lei Guo, Dinggang Shen\*, Tianming Liu\*, Inferring Group-wise Consistent Multimodal Brain Networks via Multi-view Spectral Clustering, \*Joint corresponding authors, IEEE Transactions on Medical Imaging, 32(9):1576-86. 2013 (impact factor 4.027)

[44] Junwei Han, Xiang Ji, Xintao Hu, Dajiang Zhu, Kaiming Li, Xi Jiang, Guangbin Cui, Lei Guo, and Tianming Liu, Representing and Retrieving Video Shots in Human-Centric Brain Imaging Space, IEEE Transactions on Image Processing, 22(7):2723-36. 2013 (impact factor 3.199)

[43] Tuo Zhang, Dajiang Zhu, Xi Jiang, Bao Ge, Xintao Hu, Junwei Han, Lei Guo, Tianming Liu, Predicting Cortical ROIs via Joint Modeling of Anatomical and Connectional Profiles, Medical Image Analysis, 17(6):601-15. 2013 (5-year impact factor 4.662)

[42] Xiang Li, Dajiang Zhu, Xi Jiang, Changfeng Jin, Xin Zhang, Lei Guo, Jing Zhang, Xiaoping Hu, Jingjiang Li, Tianming Liu, Dynamic Functional Connectomics Signatures for Characterization and Differentiation of PTSD Patients, Human Brain Mapping, doi: 10.1002/hbm.22290. 2013 (impact factor 6.878)

[41] Xintao Hu, Dajiang Zhu, Peili Lv, Kaiming Li, Junwei Han, Lihong Wang, Dinggang Shen, Lei Guo, Tianming Liu, Fine-Granularity Functional Interaction Signatures for Characterization of Brain Conditions, Neuroinformatics, 11(3):301-17. 2013 (impact factor 3.136)

[40] Jinli Ou, Li Xie, Peng Wang, Xiang Li, Dajiang Zhu, Yufeng Wang, Yaowu Chen, Jing Zhang, Tianming Liu, Modeling Brain Functional Dynamics via Hidden Markov Models, in press, IEEE EMBS Conference on Neural Engineering, 2013

[39] Jianchuan Xing, Jinglei Lv, Zhichao Lian, Xiang Li, Dajiang Zhu, Tianming Liu, Jing Zhang, Group-wise Change Point Detection in Task FMRI Data by Bayesian Methods, in press, IEEE EMBS Conference on Neural Engineering, 2013

[38] Jinglei Lv, Xi Jiang, Xiang Li, Dajiang Zhu, Hanbo Chen, Tuo Zhang, Shu Zhang, Xintao Hu, Junwei Han, Heng Huang, Jing Zhang, Lei Guo, Tianming Liu, Identifying Functional Networks via Sparse Representation of  Whole-brain FMRI Signals, in press, IEEE EMBS Conference on Neural Engineering, 2013

[37] Shu Zhang, Xiang Li, Jinglei Lv, Xi Jiang, Dajiang Zhu, Hanbo Chen, Tuo Zhang, Lei Guo, Tianming Liu, Sparse Representation of Higher-order Functional Interaction Patterns in Task-based FMRI Data, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2013

[36] Jinglei Lv, Dajiang Zhu, Xintao Hu, Xin Zhang, Lei Guo, Tianming Liu, Group-wise FMRI Activation Detection on Corresponding Cortical Landmarks, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2013

[35] Jinglei Lv, Xiang Li, Dajiang Zhu, Xi Jiang, Xin Zhang, Lei Guo, Tianming Liu, Sparse Representation of Group-wise FMRI Signals, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2013

[34] Xi Jiang, Tuo Zhang, Dajiang Zhu, Kaiming Li, Jinglei Lv, Lei Guo, Tianming Liu, Anatomy-guided Discovery of Large-scale Consistent Connectivity-based Cortical Landmarks, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2013

[33] Xi Jiang, Dajiang Zhu, Kaiming Li, Tuo Zhang, Dinggang Shen, Lei Guo, Tianming Liu, Predictive Models of Resting State Networks for Assessment of Altered Functional Connectivity in MCI, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2013

[32] Jinglei Lv, Dajiang Zhu, Xi Jiang, Kaiming Li, Xintao Hu, Junwei han, Lei Guo, Tianming Liu, Modeling Cognitive Processes via Multi-stage Consistent Functional Response Detection, International Workshop on Multimodal Brain Image Analysis (MBIA), 2013

[31] Bao Ge, Lei Guo, Dajiang Zhu, Tuo Zhang, Xintao Hu, Junwei Han, Tianming Liu,  Construction of Multi-scale Common Brain Network Via DICCCOL, Information Processing in Medical Imaging (IPMI), 2013

[30] Hanbo Chen, Kaiming Li, Dajiang Zhu, Tianming Liu, Identifying Consistent Brain Networks via Maximizing  Predictability of Functional Connectome from Structural Connectome, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2013

[29] Xiang Li, Dajiang Zhu, Xi Jiang, Changfeng Jin, Lei Guo, Lingjiang Li, Tianming Liu, Discovering Common Functional Connectomics Signatures, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2013

[28] Tuo Zhang, Dajiang Zhu, Xi Jiang, Lei Guo, Tianming Liu, Predicting Functional Cortical ROIs via Joint Modeling of Anatomical and Connectional Profiles, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2013

[27] Jia Chen, Jianfeng Lu, Hanbo Chen, Dajiang Zhu, Tianming Liu, Assessing Regularity and Variability of Cortical Folding Patterns of DICCCOLs, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2013

[26] Bao Ge, Lei Guo, Tuo Zhang, Dajiang Zhu, Xintao Hu, Junwei Han, Tianming Liu, Construction of Multi-scale Brain Networks via DICCCOL Landmarks, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2013

**2012**

[25] Dajiang Zhu\*, Kaiming Li\*, Lei Guo, Xi Jiang, Tuo Zhang, Degang Zhang, Hanbo Chen, Fan Deng, Carlos Faraco, Changfeng Jin, Chong-Yaw Wee, Yixuan Yuan, Peili Lv, Yan Yin, Xiaolei Hu, Lian Duan, Xintao Hu, Junwei Han, Lihong Wang, Dinggang Shen, L Stephen Miller, Lingjiang Li, Tianming Liu, DICCCOL: Dense Individualized and Common Connectivity-based Cortical Landmarks, \*Joint first authors, Cerebral Cortex, 23(4):786-800. 2012 (5-year impact factor 7.463)

[24] Kaiming Li\*, Dajiang Zhu\*, Lei Guo, Zhihao Li, Mary Ellen Lynch, Claire Coles, Xiaoping Hu\*\*, Tianming Liu\*\*, Connectomics Signatures of Prenatal Cocaine Exposure Affected Adolescent Brains, \*Joint first authors, \*\*Joint corresponding authors, Human Brain Mapping, 34(10):2494-510. 2012 (impact factor 6.878)

[23] Degang Zhang, Lei Guo, Dajiang Zhu, Kaiming Li, Longchuan Li, Hanbo Chen, Qun Zhao, Xiaoping Hu\*\*, and Tianming Liu\*\*, Diffusion Tensor Imaging Reveals Evolution of Primate Brain Architectures, \*\*Joint corresponding authors, Brain Structure and Function, 218(6):1429-50. 2012 (impact factor 7.837)

[22] Yixuan Yuan\*, Xi Jiang\*, Dajiang Zhu, Hanbo Chen, Kaiming Li, Peili Lv, Xiang Yu, Xiaojin Li, Shu Zhang, Tuo Zhang, Xintao Hu, Junwei Han, Lei Guo, Tianming Liu, Meta-analysis of Functional Roles of DICCCOLs, \*Joint first authors, Neuroinformatics, 11(1):47-63. 2012 (impact factor 3.136)

[21] Fan Deng, Dajiang Zhu, Lei Guo and Tianming Liu, FMRI Signal Analysis Using Empirical Mean Curve Decomposition, IEEE Transactions on Biomedical Engineering, 60(1):42-54. 2012 (impact factor 2.348)

[20] Kaiming Li, Lei Guo, Carlos Faraco, Dajiang Zhu, Hanbo Chen, Yixuan Yuan, Jinglei Lv, Fan Deng, Xi Jiang, Tuo Zhang, Xintao Hu, Degang Zhang, Lloyd Miller, Tianming Liu, Visual Analytics of Brain Networks, NeuroImage, 61(1):82-97. 2012 (5-year impact factor 7.063)

[19] Kaiming Li, Lei Guo, Dajiang Zhu, Xintao Hu, Junwei Han, Tianming Liu, Individual Functional ROI Optimization via Maximization of Group-wise Consistency of Structural and Functional Profiles, Neuroinformatics, 10(3):225-42. 2012 (impact factor 3.136)

[18] Hanbo Chen, Kaiming Li, Dajiang Zhu, Tuo Zhang, Changfeng Jin, Lei Guo, Lingjiang Li, Tianming Liu. Inferring Group-wise Consistent Multimodal Brain Networks via Multi-view Spectral Clustering, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2012

[17] Hanbo Chen, Xiao Cai, Dajiang Zhu, Feiping Nie, Tianming Liu, Heng Huang , Group-wise Consistent Parcellation of Gyri via Adaptive Multi-view Spectral Clustering of Fiber Shapes, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2012

[16] Fan Deng, Dajiang Zhu, Lei Guo, Tianming Liu, Optimization of fMRI-derived ROIs based on Coherent Functional Interaction Patterns, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2012

[15] Bao Ge, Lei Guo, Dajiang Zhu, Kaiming Li, Xintao Hu, Junwei Han, Tianming Liu, Group-wise Consistent Fiber Clustering Based on Multimodal Connectional and Functional Profiles, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2012

[14] Xin Zhang, Lei Guo, Xiang Li, Dajiang Zhu, Kaiming Li, Zhenqiang Sun, Changfeng Jin, Xintao Hu, Junwei Han, Qun Zhao, Lingjiang Li, Tianming Liu, Characterization of Task-free/Task-performance Brain States, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2012

**2011**

[13] Dajiang Zhu, Kaiming Li, Carlos Faraco, Fan Deng, Degang Zhang, Xi Jiang, Hanbo Chen, Lei Guo, Stephen Miller, Tianming Liu, Optimization of Functional Brain ROIs via Maximization of Consistency of Structural Connectivity Profiles, NeuroImage, 59(2):1382-93. 2011 (5-year impact factor 7.063)

[12] Dajiang Zhu, Kaiming Li, Carlos Faraco, Fan Deng, Degang Zhang, Xi Jiang, Hanbo Chen, Lei Guo, Stephen Miller, Tianming Liu, Discovering Dense and Consistent Landmarks in the Brain, Information Processing in Medical Imaging (IPMI), pp 97-110, 2011 (Oral presentation)

[11] Dajiang Zhu, Kaiming Li, Carlos Faraco, Fan Deng, Degang Zhang, Xi Jiang, Hanbo Chen, Lei Guo, Stephen Miller, Tianming Liu, Fine Granularity Parcellation of Gyrus via Fiber Shape and Connectivity Based Features, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2011

[10] Dajiang Zhu, Kaiming Li, Carlos Faraco, Fan Deng, Degang Zhang, Xi Jiang, Hanbo Chen, Lei Guo, Stephen Miller, Tianming Liu, Optimization of Functional Brain ROIs via Maximization of Consistency of Structural Connectivity Profiles, International Symposium on Biomedical Imaging: From Nano to Macro (ISBI), 2011 (Oral presentation)

[9] Jingxin Nie, Lei Guo, Kaiming Li, Yonghua Wang, Guojun Chen, Longchuan Li, Hanbo Chen, Fan Deng, Xi Jiang, Tuo Zhang, Ling Huang, Carlos Faraco, Degang Zhang, Cong Guo, Pew-Thian Yap, Xintao Hu, Gang Li, Jinglei Lv, Yixuan Yuan, Dajiang Zhu, Junwei Han, Dean Sabatinelli, Qun Zhao, L Stephen Miller, Bingqian Xu, Ping Shen, Simon Platt, Dinggang Shen, Xiaoping Hu, Tianming Liu, Axonal Fiber Terminations Concentrate on Gyri, Cerebral Cortex, 22(12):2831-9. 2011 (5-year impact factor 7.463)

[8] Tuo Zhang, Lei Guo, Kaiming Li, Changfeng Jing, Yan Yin, Dajing Zhu, Guangbin Cui, Lingjiang Li, Tianming Liu, Predicting Functional Cortical ROIs via DTI-derived Fiber Shape Models, Cerebral Cortex, 22(4):854-64. 2011 (5-year impact factor 7.463)

[7] Jinglei Lv, Lei Guo, Kaiming Li, Xintao Hu, Dajiang Zhu, Junwei Han, Tianming Liu, Activated Fibers: Fiber-centered Activation Detection in Task-based fMRI, Information Processing in Medical Imaging (IPMI), pp 574-587, 2011

[6] Tuo Zhang, Lei Guo, Kaiming Li, Dajiang Zhu, Guangbin Cui, Tianming Liu, Predicting Functional Brain ROIs via Fiber Shape Models, International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2011

[5] Degang Zhang, Lei Guo, Dajiang Zhu, Tuo Zhang, Xintao Hu, Kaiming Li, Xi Jiang, Hanbo Chen, Jinglei Lv, Fan Deng, Qun Zhao, Identification Of Cortical Landmarks Based On Consistent Connectivity to Subcotical Structures, International Workshop on Multimodal Brain Image Analysis (MBIA), 2011

**2010**

[4] Kaiming  Li, Lei  Guo, Carlos  Faraco, Dajiang  Zhu, Fan  Deng, Tuo  Zhang, Xi  Jiang, Degang  Zhang, Hanbo  Chen, Xintao  Hu, L. Stephen  Miller, Tianming  Liu, Individualized ROI Optimization via Maximization of Group-wise Consistency of Structural and Functional Profiles, conference on Neural Information Processing Systems (NIPS), 2010

[3] Degang Zhang, Lei Guo, Gang Li, Jingxin Nie, Xi Jiang, Fan Deng, Kaiming Li, Dajiang Zhu, Qun Zhao, Tianming Liu, Automatic cortical surface parcellation based on fiber density information, International Symposium of Biomedical Imaging (ISBI), 2010

[2] Xintao Hu, Fan Deng, Kaiming Li, Tuo Zhang, Hanbo Chen, Xi Jiang, Jinglei Lv, Dajiang Zhu, Li Xie, Carlos, Faraco, Degang Zhang, Arsham Mesbah, Junwei Han, Xian-Sheng Hua, Stephen Miller, Lei Guo, Tianming Liu, Bridging Low-level Features and High-level Semantics via fMRI Brain Imaging for Video Classification, accepted as a full paper, ACM Multimedia, 2010

[1] Kaiming Li, Lei Guo, Carlos Faraco, Dajiang Zhu, Fan Deng, Tuo Zhang, Xi Jiang, Degang Zhang, Hanbo Chen, Xintao Hu, Stephen Miller, Tianming Liu, Human-centered Attention Models for Video Summarization , ACM 12th International Conference on Multimodal Interfaces (ICMI), No. 27, 2010