

1 of 2

JOURNAL
PUBLICATIONS

(* means corresponding author and *Prof. Xiangrong Zhang* is my master supervisor.)

1. **Erlei Zhang**, Xiangrong Zhang, Licheng Jiao, Lin Li, and Biao Hou, "Spectral-spatial hyperspectral image ensemble classification via joint sparse representation," *Pattern Recognition (PR)*, vol. 59, pp. 42–54, 2016.
2. **Erlei Zhang**, Licheng Jiao, Xiangrong Zhang, Hongying Liu, and Shuang Wang, "Class-level joint sparse representation for multifeature-based hyperspectral image classification," *IEEE Journal of Selected Topics in Applied Earth Observation and Remote Sensing (JSTARS)*, vol. 9, pp. 4160–4177, 2016.
3. **Erlei Zhang**, Xiangrong Zhang, Licheng Jiao, Hongying Liu, and Shuang Wang, "Weighted multifeature hyperspectral image classification via kernel joint sparse representation," *Neurocomputing*, vol. 178, pp. 71–86, 2016.
4. **Erlei Zhang**, Xiangrong Zhang, Licheng Jiao, and Hongying Liu, "Fast multifeature joint sparse representation for hyperspectral image classification," *IEEE Geosci. Remote Sensing Lett. (GRS Letters)*, vol. 12, no. 7, pp. 1397–1401, 2015.
5. **Erlei Zhang**, Xiangrong Zhang, Shuyuan Yang, and Shuang Wang, "Improving hyperspectral image classification using spectral information divergence," *IEEE Geosci. Remote Sensing Lett. (GRS Letters)*, vol. 11, no. 1, pp. 249–253, 2015.
6. Meng Jia, Maoguo Gong, **Erlei Zhang***, Yu Li, and Licheng Jiao, "Hyperspectral image classification based on nonlocal means with a novel class-relativity measurement," *IEEE Geosci. Remote Sensing Lett. (GRS Letters)*, vol. 11, no. 7, pp. 1300–1304, 2014.

CONFERENCE
PUBLICATIONS

1. Hongying Liu, Xing Xing, Shigang Wang, Zhixi Feng, **Erlei Zhang***, Shuyuan Yang, Biao Hou, and Licheng Jiao, "Fast semi-supervised classification based on parallel auction graph for polarimetric SAR data," *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2016.
2. Xiangrong Zhang, Cheng Cai, Jinliang An, Yaoguo Zheng, **Erlei Zhang***, and Biao Hou, "Sparsity-constrained generalized bilinear model for hyperspectral unmixing," *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2015.
3. Xiangrong Zhang, Peng Weng, Jie Feng, **Erlei Zhang***, and Biao Hou, "Spatial-spectral classification based on group sparse coding for hyperspectral image," *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2013.
4. Xiangrong Zhang, **Erlei Zhang***, and Runxin Li, "Optimized feature extraction by immune clonal selection algorithm," *IEEE Congress on Evolutionary Computation (CEC)*, 2012.

HONORS AND
AWARDS

- First Prize Scholarship of Xidian University (Top 5%), 2015, 2014
- Second Prize Scholarship of Xidian University, 2013, 2012, 2011, 2010
- First Prize Scholarship of Henan Polytechnic University (Top 5%), 2009
- First Prize Scholarship of Henan Polytechnic University (Top 10%), 2008, 2007, 2006
- Excellent Regiment Staff in Henan Polytechnic University (Top 2%), 2008
- Excellence Award in the School Speech Contest, 2007

TEACHING

- Teaching Assistant, Pattern Recognition, Xidian University Fall 2013
- Teaching Assistant, Machine Learning, Xidian University Fall 2014

SKILLS

- Programming: Matlab, Python, C/C++, L^AT_EX, Visual Studio, Assemble Language, Office Software
- Deep learning tools: Tensorflow, Caffe, Torch, Keras