

## Yu-Bang Zheng (郑玉棒)

### Personal information

Name(s): Yu-Bang Zheng

Research interests: tensor modeling and computing, tensor learning,  
and high-dimensional data processing

Email(s): zhengyubang@163.com

Homepage: <https://yubangzheng.github.io>







Address(es): School of Mathematical Sciences,  
University of Electronic Science and Technology of China (UESTC)

Nationality(-ies): China

Date of birth: Nov. 10, 1993



### Education and training

- 09/2019- Current    University of Electronic Science and Technology of China (UESTC)  
Ph. D. student in Applied Mathematics (Supervisor: Prof. Ting-Zhu Huang)
-  National Scholarship for Ph. D. student
-  Academic Rookie
-  Special Postgraduate Scholarship of Science
-  First-Class Academic Scholarship
- 09/2017-06/2019    University of Electronic Science and Technology of China (UESTC)  
Master student in Applied Mathematics (Supervisor: Prof. Ting-Zhu Huang)
-  Academic Scholarship (twice)
- 09/2013-06/2017    Anhui University of Finance and Economics (AUFE)  
Bachelor student in Information and Computing Science
-  Pacemaker to Merit Student

### Publications

1. **Yu-Bang Zheng**, Ting-Zhu Huang\*, Xi-Le Zhao\*, Qibin Zhao, Tai-Xiang Jiang, “Fully-Connected Tensor Network Decomposition and Its Application to Higher-Order Tensor Completion”, *in Proceedings of the AAAI Conference on Artificial Intelligence (AAAI 2021)*, vol. 35, no. 12, pp. 11071-11078, 2021.
2. **Yu-Bang Zheng**, Ting-Zhu Huang\*, Xi-Le Zhao\*, Tai-Xiang Jiang, Tian-Hui Ma, Teng-Yu Ji, “Mixed Noise Removal in Hyperspectral Image via Low-Fibered-Rank Regularization”, *IEEE Transactions on Geoscience and Remote Sensing*, vol. 58, no. 1, pp. 734-749, 2020. (ESI Highly Cited Paper)
3. **Yu-Bang Zheng**, Ting-Zhu Huang\*, Xi-Le Zhao\*, Yong Chen, Wei He, “Double-Factor-Regularized Low-Rank Tensor Factorization for Mixed Noise Removal in Hyperspectral Image”, *IEEE Transactions on Geoscience and Remote Sensing*, vol. 58, no. 12, pp. 8450-8464, 2020.

4. **Yu-Bang Zheng**, Ting-Zhu Huang\*, Xi-Le Zhao\*, Tai-Xiang Jiang, Teng-Yu Ji, Tian-Hui Ma, “Tensor N-tubal Rank and Its Convex Relaxation for Low-Rank Tensor Recovery”, *Information Sciences*, vol. 532, pp. 170-189, 2020.
5. **Yu-Bang Zheng**, Ting-Zhu Huang\*, Teng-Yu Ji, Xi-Le Zhao\*, Tai-Xiang Jiang, Tian-Hui Ma, “Low-Rank Tensor Completion via Smooth Matrix Factorization”, *Applied Mathematical Modelling*, vol. 70, pp. 677-695, 2019.
6. **Yu-Bang Zheng**, Ting-Zhu Huang\*, Xi-Le Zhao\*, Tai-Xiang Jiang, Jie Huang, “Hyperspectral Image Denoising via Convex Low-Fibered-Rank Regularization”, in *IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2019)*, 2019, pp. 222-225.