

Zhihui Li | Curriculum Vitae

Binhai Road 72, Jimo, Qingdao, Shandong, China. 266237

☎ +86 186 0022 9682 • ✉ zhihuilics@gmail.com • 🌐 <https://www.zhihui.li>

Artificial Intelligence ★ Machine Learning ★ Multimedia

Education

Academic Qualifications

- **University of New South Wales** **Sydney, Australia**
Major in Computer Science, School of Computer Science and Engineering *Jul. 2018–Jun. 2022*
Supervisors: Associate Professor Salil Kanhere and Dr. Lina Yao
- **Beijing University of Posts and Telecommunications** **Beijing, China**
Major in Accounting, School of Economics and Management, GPA: 3.27/4 *Sep. 2004–Jul. 2008*

Employment

- **Shandong University** **Jinan, China**
Research Assistant *Jan. 2018–Jun. 2018*
 - Developing and implementing machine learning (deep learning) algorithms for person re-identification / person search systems.
 - Applying the person re-identification algorithms for multiple person tracking systems.
 - Assisting the supervisor in the preparation of research proposals for natural foundation funds.

Publications

1. **Zhihui Li**, Feiping Nie, Xiaojun Chang, Yi Yang, Chengqi Zhang and Nicu Sebe. *Dynamic Affinity Graph Construction for Spectral Clustering using Multiple Features*. IEEE Transactions on Neural Networks and Learning Systems, Under Minor Revision, 2018. **SJR Q1, CAS JCR Q1, Web of Science Q1**, 2016 IF: 6.108.
2. Lingling Zhang, Minnan Luo, **Zhihui Li**, Feiping Nie, Huaxiang Zhang, Jun Liu, and Qinghua Zheng. *Large Scale Robust Semi-supervised Classification*. IEEE Transactions on Cybernetics, Accepted, 2018. **SJR Q1, CAS JCR Q1, Web of Science Q1**, 2016 IF: 7.384.
3. **Zhihui Li**, Lina Yao, Feiping Nie, Dingwen Zhang, and Min Xu. *Multi-rate Gated Recurrent Convolutional Networks for Video-Based Pedestrian Re-Identification*. The 32nd AAAI Conference on Artificial Intelligence (AAAI-18), New Orleans, Louisiana, USA, 2 - 7 February, 2018. **CORE Rank A*, CCF Rank A**.
4. **Zhihui Li**, Feiping Nie, Xiaojun Chang, Zhigang Ma, and Yi Yang. *Balanced Clustering via Exclusive Lasso: A Pragmatic Approach*. The 32nd AAAI Conference on Artificial Intelligence (AAAI-18), New Orleans, Louisiana, USA, 2 - 7 February, 2018. **CORE Rank A*, CCF Rank A**.
5. Lei Zhu, Zi Huang, **Zhihui Li**, Liang Xie, and Heng Tao Shen. *Exploring Auxiliary Context: Discrete Semantic Transfer Hashing for Scalable Image Retrieval*. IEEE Transactions on Neural Networks and Learning Systems, DOI:10.1109/TNNLS.2018.2797248, 2018. **SJR Q1, CAS JCR Q1, Web of Science Q1**, 2016 IF: 6.108.
6. Forough R. Boroujeni, Sen Wang, **Zhihui Li**, Nicholas West, Bella Stantic, Lina Yao, and Guodong Long. *Trace Ratio Optimization with Feature Correlation for Mining Multiclass Discriminant Analysis*. The 32nd AAAI Conference on Artificial Intelligence (AAAI-18), New Orleans, Louisiana, USA, 2 - 7 February, 2018. **CORE Rank A*, CCF Rank A**.
7. Liangchen Liu, Feiping Nie, Arnold Wiliem, **Zhihui Li**, Teng Zhang, and Brian C. Lovell. *Multi-Modal Joint Clustering with Application for Unsupervised Attribute Discovery*. IEEE Transactions on Image Processing, 2018. Accepted.

8. **Zhihui Li**, Feiping Nie, Xiaojun Chang, and Yi Yang. *Beyond Trace Ratio: Weighted Harmonic Mean of Trace Ratios for Multiclass Discriminant Analysis*. IEEE Transactions on Knowledge and Data Engineering, DOI:10.1109/TKDE.2017.2728531, 2017. **ERA Rank A, CORE Rank A, SJR Q1, Web of Science Q1**, 2016 IF: 3.438.
9. Zhiqiang Zeng, **Zhihui Li***, De Cheng, Huaxiang Zhang, Kun Zhan, and Yi Yang. *Two-Stream Multi-Rate Recurrent Neural Network for Video-Based Pedestrian Re-Identification*. IEEE Transactions on Industrial Informatics, 2017. **SJR Q1, CAS JCR Q1, Web of Science Q1**, 2016 IF: 6.764.
10. Xiaowei Xue, Feiping Nie, **Zhihui Li**, Sen Wang, Xue Li, and Min Yao. *A Multi-View Learning Framework with A Linear Computational Cost*. IEEE Transactions on Cybernetics, 2017. **ERA Rank A, CORE Rank A, SJR Q1, Web of Science Q1**, 2016 IF: 7.384.
11. Minnan Luo, Xiaojun Chang, **Zhihui Li**, Liqiang Nie, Alexander G. Hauptmann, and Qinghua Zheng. *Simple to Complex Cross-modal Learning to Rank*. Computer Vision and Image Understanding, DOI:10.1016/j.cviu.2017.07.001, 2017. **ERA Rank A, CORE Rank A, SJR Q1, Web of Science Q2**, 2016 IF: 2.498.
12. Yan-Shuo Chang, Feiping Nie, **Zhihui Li**, Xiaojun Chang and Heng Huang. *Refined Spectral Clustering via Embedded Label Propagation*. Neural Computation, 2017. **ERA Rank A, CORE Rank A, SJR Q1, Web of Science Q2**, 2016 IF: 1.938.
13. Huan Liu, Qinghua Zheng, **Zhihui Li**, Tao Qin, and Lei Zhu. *An Efficient Multi-Feature SVM Solver for Complex Event Detection*. Multimedia Tools and Applications, 2017. **ERA Rank B, CORE Rank B, SJR Q1, Web of Science Q2**, 2016 IF: 1.53.
14. Caixia Yan, Minnan Luo, Huan Liu, **Zhihui Li**, and Qinghua Zheng. *Top-k Multi-class SVM using Multiple Features*. Information Sciences, 2017. **ERA Rank B, CORE Rank B, SJR Q1, Web of Science Q1**, 2016 IF: 4.832.
15. Xiaowei Zhao, Zhigang Ma, Zhi Li, and **Zhihui Li**. *Joint Concept Correlation and Feature-Concept Relevance Learning for Multi-Label Classification*. Neural Computation, 2017. **ERA Rank A, CORE Rank A, SJR Q1, Web of Science Q2**, 2016 IF: 1.938.
16. Jingjing Li, Ke Lu, Lei Zhu, and **Zhihui Li**. *Locality-Constrained Transfer Coding for Heterogeneous Domain Adaptation*, Australasian Database Conference 2017.
17. Luyao Liu, Lei Zhu, and **Zhihui Li**. *Learning Robust Graph Hashing for Efficient Similarity Search*, Australasian Database Conference 2017.

Awards

- 2011, Outstanding Individual, Beijing Etrol Technologies Co., Ltd
- 2008, Second Class Award, Beijing University of Posts and Telecommunications
- 2007, Second Class Award, Beijing University of Posts and Telecommunications
- 2006, Second Class Award, Beijing University of Posts and Telecommunications
- 2005, Second Class Award, Beijing University of Posts and Telecommunications