

Zhihao Chen

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Basic Information

Gender: Male Grad: Junior E-mail: 2021011561@bistu.edu.com
GPA : 90.81/100 Rank: 2/89 (top 3%)

Research Experience

Accepted Papers

- [1] **Zhihao Chen**, Yiyuan Ge, Part-Attention Based Model Make Occluded Person Re-Identification Stronger, WCCI (**Oral**), IEEE Index, **TH-CPL B**
- [2] **Zhihao Chen**, Yiyuan Ge et al, Features Reconstruction Disentanglement Cloth-Changing Person Re-Identification, ICIC (**Oral**), IEEE Index, **CCF C**
- [3] Yiyuan Ge, **Zhihao Chen(build euqal)**, et al. MambaTSR You Only Need 90k Parameters for Traffic Sign Recognition, Neurocomputing, JCR **Q2**, **CCF C**
- [4] Yiyuan Ge, Mingxin Yu, **Zhihao Chen** et al. Semantically Enhanced Attention Map-Driven Occluded Person Re-identification. Electronics Letters. May 02, 2024. **JCR Q4**
- [5] **Zhihao Chen**, Yiyuan Ge et al, Multi-branch Person Re-identification Net, ICICML(**Oral**), IEEE Index
- [6] Ji Zhang, **Zhihao Chen** et al, An Efficient Convolutional Multi-Scale Vision Transformer for Image Classification, ICICML(Poster), IEEE Index
- [7]Yiyuan Ge, Ji Zhang, **Zhihao Chen** et al. End-to-End Person Search Based on Content Awareness, ICICML(Poster), IEEE Index
- [8] Yiyuan Ge, Ke Niu, **Zhihao Chen** et al. Lightweight Traffic Sign Recognition Model Based on Dynamic Feature Extraction, ICAI(**Oral**), EI Index

Under Review

- [1] **Zhihao Chen**, Yiyuan Ge, et al. MambaUIE&SR: Unraveling the Ocean's Secrets with Only 2.8 FLOPs, TGRS, **JCR Q1**, **CCF B**
- [2] **Zhihao Chen**, Yiyuan Ge. Nowhere to Hide: Deep-feature Reconstruction Disentanglement Cloth-Changing Person Re-Identification, ECCV, IEEE Index, **CCF B**
- [3] Yiyuan Ge, MingXing Yu, **Zhihao Chen**, et al. Attention-Enhanced Controllabel Disentanglement for Cloth-Changing Person Re-identification, IDA, **JCR Q3**, **CCF C**
- [4] **Zhihao Chen** and Yiyuan Ge. "Occluded Cloth-Changing Person Re-Identification." (2024).

Exchange Experience

1. Served as a reviewer for the ICME (CCF B) conference. (2024.1)
2. Participation in the University of Missouri Artificial Intelligence Summer Exchange Programme. (2023.7)

Anything Important

- In 2024/03, we used mamba for the first time in the field of traffic sign recognition, with a model parameter count of only 90K, which outperforms the traditional CNN as well as the Transformer method and breaks through the limitation of the parameter count on the accuracy in TSR.
- In 2024/02, we **proposed the new task** of occluded cloth-changing pedestrian re-identification, making the field of pedestrian re-identification more comprehensive and contributing two new datasets.