

陈钊民

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工作背景

• 温州大学, 计算机与人工智能学院, 副教授, 硕导	2021.6 - 至今
• 北京旷视科技有限公司, 南京研究院	2018.2 - 2021.4
• 温州市中心医院-杭电智慧医疗实验室, 特聘专家	2024.6-至今

教育背景

• 南京大学, 计算机科学与技术系, 计算机科学与技术 (博士)	2016.9 - 2021.6
• 湖南大学, 电气与信息工程学院, 电气工程及其自动化 (学士)	2012.9 - 2016.6

担任课程

• 数据结构与算法综合实践, 大数据分析

研究领域

智慧医疗、图像多标签学习、目标检测、图像长尾分布、蒸馏学习
有 1-2 名研究生名额, 欢迎踏实肯学的同学报考!

学生培养

• 指导本校本科生 4 名, 发表中科院二区和三区文章各一篇, EI 会议论文一篇。
• 指导本校研究生 8 名, 发表 CCF-A 类会议文章一篇。
• 指导外校研究生 4 名, 发表中科院一区文章 1 篇, 二区文章 2 篇。

科研成果

部分论文:
• Z.-M. Chen , Q. Cui, X. Zhang, R. Deng, C. Xia, S. Lu. Towards Gradient Equalization and Feature Diversification for Long-Tailed Multi-Label Image Recognition[J]. IEEE Transactions on Multimedia (TMM), 2025, in press (中科院一区).
• Z. Liu, Z.-M. Chen* , S. Teng, H. Chen. Style adaptation for avoiding semantic inconsistency in Unsupervised Domain Adaptation medical image segmentation[J]. Biomedical Signal Processing and Control, 2025, 105: 107573. (中科院二区) 本组本科生成果
• Z.-M. Chen , X. Jin, Y. Ge*, S. Chan. In Pursuit of Causal Label Correlations for Multi-label Image Recognition[C]/Neural Information Processing Systems (NeurIPS), 2024 (CCF-A).
• Z.-M. Chen , X. Jin, S. Chan. SiSe: Simultaneous and Sequential Transformers for Multi-Label Activity Recognition[J]. Pattern Recognition (PR), 2024 (中科院一区).
• Jie Huang, Zhao-Min Chen* , Xiaoqin Zhang, Yisu Ge, Lusi Ye, Guodao Zhang, Huiling Chen. Label Decoupling and Reconstruction: A Two-Stage Training Framework for Long-tailed Multi-label Medical Image Recognition. ACM MM, 2024 (CCF-A). 本组研究生成果
• Zhao-Min Chen , Quan Cui, Ruoxi Deng, Jie Hu, Guodao Zhang. Modeling Label Correlations with Latent Context for Multi-Label Recognition. European Conference on Computer Vision (ECCV). 2024 (CCF-B).
• J. Li, J. Wang, F. Lin, W. Wu, Z.-M. Chen* , AA. Heidari, H. Chen*. DSEUNet: A lightweight UNet for dynamic space grouping enhancement for skin lesion segmentation[J]. Expert Systems with Applications, 2024: 124544 (中科院一区).
• J. Li, P. Ding, F. Lin, Z. Chen* , A. A. Heidari, H. Chen*. UNeSt: A fast segmentation network for colorectal polyps based on MLP and deep separable convolution[J]. Biomedical Signal Processing and Control (BSPC), 2025, 100: 107165 (中科院二区).
• Zhao-Min Chen , Yifan Liao, Xingjian Zhou, Wenyao Yu, Guodao Zhang, Yisu Ge, Tan Ke, Keqing Shi. Pancreatic cancer pathology image segmentation with channel and spatial long-range dependencies. CIBM, 2024. (中科院二区)

- Yisu Ge, Ruyu Liu, Guodao Zhang, Mohammad Sh Daoud, Qiwen Zhang, Xuecai Huang, Abdulilah Mohammad Mayet, **Zhao-Min Chen***, Shike He. High-Machting and Low-Cost Realization of the FHN Neuron Model on Reconfigurable FPGA Board. TBCS, 2023. (中科院二区)
- Sixian Chan, Minming Yu, **Zhaomin Chen***, Jiafa Mao, Cong Bai. Regional contextual information modeling for Small Object Detection on highways. TIM, 2023. (中科院二区)
- Sixian Chan, Yuan Wang, Yanjing Lei, Xu Cheng, **Zhao-Min Chen**, Wei Wu. Asymmetric Cascade Fusion Network for Building Extraction. TGRS, 2023. (中科院一区)
- Guodao Zhang, Haiyang Ye, Xiaoyun Gao, Ruyu Liu, Xiuting Tao, Genfu Yang, Jian Zhou, **Zhao-Min Chen***. BICANet: LiDAR Point Cloud Classification Network Based on Coordinate Attention And Blueprint Separation Involution Neural Network. IEEE Sensors Journal, 2023. (中科院二区)
- Ruoxi Deng, **Zhao-Min Chen**, Huiling Chen, Jie Hu. Learning to refine object boundaries. Neurocomputing, 2023. (中科院二区)
- **Zhao-Min Chen**, Xin Jin, Xiaoqin Zhang, et al. DIM: long-tailed object detection and instance segmentation via dynamic instance memory. Machine Learning: Science and Technology, 2023. (中科院二区)
- Yisu Ge, **Zhao-Min Chen**, Guodao Zhang, et al. Unsupervised Domain Adaptation via Style Adaptation and Boundary Enhancement for Medical Semantic Segmentation. Neurocomputing, 2023. (中科院二区)
- Chaoqun Xia, Shuhan Chen, Xiaoqin Zhang, **Zhao-Min Chen**, and Zhiyong Pan. Infrared small target detection via dynamic image structure evolution. TGRS, 2022. (中科院一区)
- **Zhao-Min Chen**, Quan Cui, Borui Zhao, Renjie Song, and Osamu Yoshie. SST: Spatial and Semantic Transformers for Multi-label Image Recognition. IEEE Transactions on Image Processing (TIP), 2022. (图像处理国际顶级期刊, 中科院一区, CCF-A 类期刊)
- **Zhao-Min Chen**, Xin Jin, Borui Zhao, Xiaoqin Zhang and Yanwen Guo. HCE: Hierarchical Context Embedding for Region-based Object Detection. IEEE Transactions on Image Processing (TIP), 2021. (图像处理国际顶级期刊, 中科院一区, CCF-A 类期刊)
- **Zhao-Min Chen**, Xiu-Shen Wei, Peng Wang, and Yanwen Guo. Learning Graph Convolutional Networks for Multi-Label Recognition and Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2021. (计算机视觉与模式识别领域国际顶级期刊, 中科院一区, CCF-A 类期刊)
- **Zhao-Min Chen**, Quan Cui, Xiu-Shen Wei, Xin Jin, and Yanwen Guo. Disentangling, Embedding and Ranking Label Cues for Multi-Label Image Recognition. IEEE Transactions on Multimedia (TMM), 2020. (多媒体领域国际顶级期刊, 中科院一区, CCF-B 类期刊)
- **Zhao-Min Chen**, Xin Jin, Borui Zhao, Xiu-Shen. Wei, and Yanwen Guo. Hierarchical Context Embedding for Region-based Object Detection. IEEE European Conference on Computer Vision (ECCV), 2020. (计算机视觉与模式识别领域国际顶级会议, CCF-B 类会议)
- **Zhao-Min Chen**, Xiu-Shen Wei, Peng Wang, and Yanwen Guo. Multi-Label Image Recognition with Graph Convolutional Networks. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019. (计算机视觉与模式识别领域国际顶级会议, CCF-A 类会议)
- **Zhao-Min Chen**, Xiu-Shen Wei, Xin Jin, and Yanwen Guo. Multi-Label Image Recognition with joint Class-aware Map Disentangling and Label Correlation Embedding. IEEE International Conference on Multimedia & Expo (ICME), 2019, Oral presentation. (多媒体领域国际重要会议, CCF-B 类会议)
- Quan Cui, Bingchen Zhao, **Zhao-Min Chen**, Borui Zhao, Renjie Song, Boyan Zhou, Jiajun Liang, and Osamu Yoshie. Discriminability-Transferability Trade-Off: An Information-Theoretic Perspective. IEEE European Conference on Computer Vision (ECCV), 2022. (计算机视觉与模式识别领域国际顶级会议, CCF-B 类会议)
- Quan Cui, **Zhao-Min Chen**, Osamu Yoshie. Delving into the representation learning of deep hashing. Neurocomputing, 2022. (中科院二区)
- Xin Jin, Yanping Xie, Xiu-Shen Wei, Bo-Rui Zhao, **Zhao-Min Chen**, Xiaoyang Tan. Delving Deep into Spatial Pooling for Squeeze-and-Excitation Networks. Pattern Recognition, 2021. (模式识别领域国际重要期刊, 中科院一区, CCF-B 类期刊)
- Yanrui Bin, **Zhao-Min Chen**, Xiu-Shen Wei, Xinya Chena, Changxin Gao, Nong Sang. Structure-Aware Human Pose Estimation with Graph Convolutional Networks. Pattern Recognition (PR), 2020. (模式识别国际重要期刊, 中科院一区, CCF-B 类期刊)
- Boyan Zhou, Quan Cui, Xiu-Shen Wei, and **Zhao-Min Chen**. BBN: Bilateral-Branch Network with Cumulative Learning for Long-Tailed Visual Recognition. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2020, Oral presentation. (计算机视觉与模式识别领域国际顶级会议, CCF-A 类会议)

部分专利:

- 魏秀参, 陈钊民, 多标签图像分类方法、装置及电子设备, ZL201810802045.9
- 魏秀参, 陈钊民, 基于图卷积的多标签图像分类方法、装置及设备, ZL201910051706.3

项目情况

• 浙江省科协青年人才托举项目, 主持	2024.1-2026.12
• 国家自然科学基金青年基金, 主持	2023.1-2025.12
• 浙江省自然科学基金重大项目联合创新群体, 参与	2023.1-2025.12
• 浙江省自然科学基金青年基金, 主持	2022.1-2024.12
• 浙江省研究生教育学会科研项目, 参与	2022.1-2024.12

获奖情况

• 浙江省科协青年托举人才	2024 年
• 温州市瓯越英才	2024 年
• ACM 杭州新星奖	2022 年
• 温州大学新湖学者	2021 年