Jijie Wu (武继杰)

✉ jijie@lut.edu.cn ● 🌐 www.wujijie.cn

教育经历

兰州理工大学

- 本科：软件工程 ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀2015.09 – 2019.06
- 硕士：计算机应用技术 ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀2019.09 – 2022.06
- 博士（三年级）：制造业信息化系统 ⠀⠀⠀⠀2022.09 – 至今
  - 导师：李晓旭教授
  - 研究方向：小样本图像分类、元学习、可解释深度学习

发表论文清单

Highlights

[1] **Jijie Wu**, Dongliang Chang, Aneeshan Sain, Xiaoxu Li*, Zhanyu Ma, Jie Cao, Jun Guo, and Yi-Zhe Song, "Bi-Directional Ensemble Feature Reconstruction Network for Few-Shot Fine-Grained Classification," IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI, CCF A, IF:20.8**), 2024.

[2] **Jijie Wu**, Dongliang Chang, Aneeshan Sain, Xiaoxu Li*, Zhanyu Ma, Jie Cao, Jun Guo, and Yi-Zhe Song, "Bi-Directional Feature Reconstruction Network for Fine-grained Few-shot Image Classification," in Association for the Advancement of Artificial Intelligence (**AAAI, Oral, CCF A**), 2023.

[3] Xiaoxu Li, **Jijie Wu**, Zhuo Sun, Zhanyu Ma*, Jie Cao and Jing-Hao Xue, "BSNet: Bi-Similarity Network for Few-shot Fine-grained Image Classification," IEEE Transactions on Image Processing (**TIP, CCF A, IF:10.8**), 2021.

[4] Zhuo Sun, **Jijie Wu**, Xiaoxu Li, Wenming Yang and Jing-Hao Xue, "Amortized Bayesian Prototype Meta-learning: A New Probabilistic Meta-learning Approach to Few-shot Image Classification," Proceedings of the 24th International Conference on Artificial Intelligence and Statistics. (**AISTATS, CCF C**), 2021.

国际期刊

[1] **Jijie Wu**, Dongliang Chang, Aneeshan Sain, Xiaoxu Li*, Zhanyu Ma, Jie Cao, Jun Guo, and Yi-Zhe Song, "Bi-Directional Ensemble Feature Reconstruction Network for Few-Shot Fine-Grained Classification," IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI, IF:20.8**), 2024.

[2] Xiaoxu Li, Qi Song, **Jijie Wu**, Rui Zhu, Zhanyu Ma, Jing-Hao Xue, "Locally-Enriched Cross-Reconstruction for Few-Shot Fine-Grained Image Classification," IEEE Transactions on Circuits and Systems for Video Technology (**TCSVT, IF:8.3**), 2023.

[3] Xiaoxu Li, **Jijie Wu**, Zhuo Sun, Zhanyu Ma*, Jie Cao and Jing-Hao Xue, "BSNet: Bi-Similarity Network for Few-shot Fine-grained Image Classification," IEEE Transactions on Image Processing (**TIP, IF:10.8**), 2021.

国际会议

[1] Jiaming Zhang, **Jijie Wu**, Xiaoxu Li, "Visual semantic alignment network based on pre-trained ViT for few-shot image classification," in Proceedings of The 16th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA, accepted), 2024.

[2] Dongfei Chang, **Jijie Wu**, Xiaoxu Li, "Agent Attention Feature Reconstruction Network for Fine-Grained Few-Shot Image Classiffcation ," in Proceedings of The 16th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA, accepted), 2024.

[3] **Jijie Wu**, Dongliang Chang, Aneeshan Sain, Xiaoxu Li*, Zhanyu Ma, Jie Cao, Jun Guo, and Yi-Zhe Song, "Bi-Directional Feature Reconstruction Network for Fine-grained Few-shot Image Classification," in Association for the Advancement of Artificial Intelligence (**AAAI, CCF A**), 2023.

[4] Xiaowei Guo, **Jijie Wu**, Kai Ren, Qi Song, and Xiaoxu Li, "Dual Feature Reconstruction Network Based on Few-Shot Image Classification," in Proceedings of The 15th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA), 2023.

[5] Zhuo Sun, **Jijie Wu**, Xiaoxu Li, Wenming Yang and Jing-Hao Xue, "Amortized Bayesian Prototype Meta-learning: A New Probabilistic Meta-learning Approach to Few-shot Image Classification," Proceedings of the 24th International Conference on Artificial Intelligence and Statistics. (**AISTATS, CCF C**), 2021.

[6] Yalan Li, **Jijie Wu**, "Cross-Domain Few-shot Classification through Diversified Feature Transformation Layers," 2021 IEEE International Conference on Artificial Intelligence and Computer Applications (ICAICA), 2021.

[7] Xiaoxu Li, Jintao Yan, **Jijie Wu**, Yuxin Liu, Xiaochen Yang and Zhanyu Ma, "Anti-noise Relation Network for Few-shot Learning," in Proceedings of The 11th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA), 2020.

[8] Xiaoxu Li, **Jijie Wu**, Dongliang Chang, Zhanyu Ma, and Jie Cao, "Mixed Attention Mechanism for Small-Sample Fine-grained Image Classification," in Proceedings of The 11th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA), 2019.

中文期刊

[1] 李晓旭, 刘忠源, **武继杰**, 曹洁, 马占宇. 小样本图像分类的注意力全关系网络. 计算机学报（**CCF A**），2022.

[2] 李晓旭, 安文娟, **武继杰**, 李真, 张珂, 马占宇. 通道注意力双线性度量网络. 吉林大学学报, 2022.

申请专利

专利

[1] **武继杰**, 张志敏, 等. 一种基于特征扩散模型的图像分类方法及装置, CN116863239A, 2023.

[2] **武继杰**, 胥骁麟, 等. 一种基于类别相关特征重建的图像分类方法及装置, CN116863237A, 2023.

[3] **武继杰**, 冀璐琛, 等. 一种基于视觉迁移对齐的图像分类方法及装置, CN116863238A, 2023.

[4] 古玲, **武继杰**. 一种基于注意力机制的碳纤维丝道实时动态编号方法, CN116958739A, 2024.

[5] 古玲, **武继杰**. 一种基于卷积神经网络的碳纤维丝道识别与编号方法, CN116503615A, 2024.

[6] 李晓旭, 郭紫杰, 刘俊, **武继杰**, 等. 基于大边界贝叶斯原型学习的小样本图像分类方法及装置, CN114723998A, 2023.

证书与奖项

○ 英语四、六级证书
○ 获得兰州理工大学 2022 届优秀硕士论文奖

- 两次获得兰州理工大学一等奖学金
- 获得 2024 年博士研究生国家奖学金

科研服务

审稿人

- NEUROCOMPUTING, 2021-至今
- IEEE Transactions on Neural Networks and Learning Systems, 2022-至今
- Association for the Advancement of Artificial Intelligenc (AAAI), 2023-至今
- IEEE Transactions on Circuits and Systems for Video Technology, 2024-至今
- Knowledge-Based Systems, 2024-至今
- Image and Vision Computing, 2024-至今
- ACM Multimedia (ACM MM), 2024-至今

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