

---

## 附录：学术成果

---

### 主要已发表论文（9篇）：

第一作者发表3篇CCF-A顶会论文、1篇CCF-B期刊论文，1篇二区Top论文，另有3篇投稿至CCF-A。

1. Jiaqi Wang, et al. SpikCommander: A High-performance Spiking Transformer with Multi-view Learning for Efficient Speech Command Recognition. **AAAI (CCF-A)**, 2026.
2. Jiaqi Wang, et al. S<sup>2</sup>M-Former: Spiking Symmetric Mixing Branchformer for Brain Auditory Attention Detection. **NeurIPS (CCF-A)**, 2025.
3. Jiaqi Wang, et al. Efficient Speech Command Recognition Leveraging Spiking Neural Network and Curriculum Learning-based Knowledge Distillation. **Neural Networks (CCF-B, 计算机二区 Top)**, 2025.
4. Jiaqi Wang, et al. Enhancing EEG-to-Text Decoding through Transferable Representations from Pre-trained Contrastive EEG-Text Masked Autoencoder. **ACL (CCF-A)**, 2024.
5. Jiaqi Wang, et al. A multi-classification algorithm based on multi-domain information fusion for motor imagery BCI. **Biomedical Signal Processing and Control (信号处理二区 Top)**, 2023.
6. Xiongri Shen, Jiaqi Wang (2nd), et al. Pattern-Aware Diffusion Synthesis of fMRI/dMRI with Tissue and Microstructural Refinement. **Information Fusion (计算机一区 Top)**, 2026.
7. Jilong Li, Jiaqi Wang (3rd), et al. BrainECHO: Semantic Brain Signal Decoding through Vector-Quantized Spectrogram Reconstruction for Whisper-Enhanced Text Generation. **ACL Findings (CCF-A)**, 2025.
8. Yi Zhong, Jiaqi Wang (4th), Thread the Needle: Genomics-Guided Prompt-Bridged Attention Model for Survival Prediction of Glioma Based on MRI Images. **MICCAI (CCF-B)**, 2025.
9. Chenlin Zhou, Jiaqi Wang (5th), et al. Spikingformer: A Key Foundation Model for Spiking Neural Networks. **AAAI (Oral) (CCF-A)**, 2026.

### 主要在投论文（12篇）：

10. Jiaqi Wang, et al. TACOS: Efficient Temporal Adaptive Compression and Compensation for Spiking Transformer Modeling, **AAAI**, 2027.
11. Jiaqi Wang, et al. SMRAT: Spiking Multi-Resolution Adaptive Temporal Modeling, **AAAI**, 2027.
12. Jiaqi Wang, et al. Sprite: A Spiking Transformer with Temporal Encoding for Efficient Speech Command Recognition, **AAAI**, 2027.
13. Xiongri Shen, Jiaqi Wang (2nd), et al. BrainCSD: A Hierarchical Consistency-Driven MoE Foundation Model for Unified Connectome Synthesis and Multitask Brain Trait Prediction. **npj Digital Medicine (Nature)**, 2025.
14. Xiongri Shen, Jiaqi Wang (2nd), et al. Brain-Atlas Knowledge-Guided Generative Counterfactual Reasoning for Explainable Cognitive Decline Diagnosis with Multimodal Connectomes. **Knowledge-Based Systems**, 2026.
15. Han Zhang, Jiaqi Wang (3rd), et al. Temporal-adaptive Weight Quantization for Spiking Neural Networks. **IEEE TPAMI**, 2025.
16. Chenlin Zhou, Jiaqi Wang (3rd), et al. Winner-Take-All Spiking Transformer for Language Modeling. **AAAI**, 2027.
17. Sihang Guo, Jiaqi Wang (3rd), et al. BiSpikCLM: Spiking Large Language Models with Causal Spiking Self-Attention and Spike-Form Knowledge Distillation. **EMNLP**, 2027.
18. Chenlin Zhou, Jiaqi Wang (3rd), et al. Adaptive Spiking Neurons for Vision and Language Modeling. **AAAI**, 2027.
19. Xiongri Shen, Jiaqi Wang (3rd), et al. NeuroAlign: Harnessing fMRI-DTI Synergy for Mild Cognitive Impairment Diagnosis. **Information Fusion**, 2025.
20. Yi Zhong, Jiaqi Wang (4th), et al. Life Finds a Way: Dynamic Routing Gene-to-Pathway Enrichment for Cancer Survival Prediction. **KDD**, 2026.
21. Yi Zhong, Jiaqi Wang (4th), et al. DisGlioma: Radiogenomics-based Distilled Prompt Learning for Non-invasive Survival Prediction in Adult Diffuse Glioma. **npj Digital Medicine (Nature)**, 2026.

### 授权发明专利一项：

陈万忠，王嘉琪（除导师外第一发明人），郑骁，一种基于人体姿态控制的仿人机器人动作系统及控制方法，专利号 ZL202110466880.1, 2022.08.

---