

## Referred Archival Journal Publications

1. Zhentao SHE, Yiming Fu, Yingzhu He, Gewei Yan, Wanjie Wu, Zhongya Qin, Jianan Y. Qu. "Rapid adaptive optics enabling near noninvasive high-resolution brain imaging in awake behaving mice", *Nature Communications* (Accepted), (2025). <https://doi.org/10.1101/2025.05.26.656230>
2. Guangnan Tian, Thomas Ka Chung Lam, Gewei Yan, Yingzhu He, Biswadeep Khan, Jianan Y. Qu, Julie L. Semmelhack, "Binocular integration of prey stimuli in the zebrafish visual system", *Current Biology*, (2025). <https://doi.org/10.1016/j.cub.2025.05.063>
3. Wanjie Wu, Yingzhu He, Yujun Chen, Yiming Fu, Sicong He, Kai Liu, Jianan Y. QU, "In Vivo Imaging in Mouse Spinal Cord Reveals that Microglia Prevent Degeneration of Injured Axons", *Nature Communications*, (2024). <https://doi.org/10.1038/s41467-024-53218-0>
4. Xiao Li, Xue Wang, Xiaohan Hu, Peng Tang, Congping Chen, Ling He, Mengying Chen, Stephen Temitayo Bello, Tao Chen, Xiaoyu WANG, Yin Ting WONG, Wenjian SUN, Xi Chen, Jianan Qu, Jufang He. "Cortical HFS-Induced Neo-Hebbian Local Plasticity Enhances Efferent Output Signal and Strengthens Afferent Input Connectivity". *eNeuro*, (2024). <https://doi.org/10.1523/ENEURO.0045-24.2024>
5. Jiahao Chen, Honggao Wang, Shuting Wu, Ao Zhang, Zhongkai Qiu, Peng Huang, Jianan Y. Qu, Jin Xu, "col1a2<sup>+</sup> fibroblasts/muscle progenitors finetune xanthophore countershading by differentially expressing *csf1a/1b* in embryonic zebrafish", *Science Advances* (2024). <https://doi.org/10.1126/sciadv.adj9637>
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10. Wanjie Wu, Sicong He, Yujun Chen, Congping Chen, Yiming Fu, Kai Liu, Jianan Y. Qu, "Minimally invasive microglial and neuronal imaging in mouse spinal cord dorsal horn (Invited paper)", *IEEE Journal of Selected Topics in Quantum Electronics* (2023). <https://doi.org/10.1109/JSTQE.2022.3229705>
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