

**Referred Archival Journal Publications**

1. Yiming Fu, Pham Binh Minh, Sicong He, Yingzhu He, Zhongya Qin, Ting Xie, Jianan Qu, "Dynamic Retinal Pathology in Glaucoma Progression Revealed by High-Resolution Functional Imaging in Vivo", *Laser & Photonics Reviews* (Accepted), (2025). <https://doi.org/10.1101/2025.07.22.666227>
2. 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>
3. 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>
4. 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>
5. 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>
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8. Yingzhu He, Youshan Heng, Zhongya Qin, Xiuqing Wei, Zhenguo Wu, Jianan Qu, "Intravital microscopy of satellite cell dynamics and their interaction with myeloid cells during skeletal muscle regeneration", *Science Advances* (2023). <https://doi.org/10.1126/sciadv.adi1891>
9. Min Liu, Chunjian Wu, Rui Wang, Jiaming Qiu, Zhentao SHE, Jianan Qu, Jiang Xia, "Modulating Liquid-Liquid Phase Separation of Nck Adaptor Protein against Enteropathogenic Escherichia coli Infection", *ACS Cent. Sci.*, 9,12,2358-2368 (2023). <https://doi.org/10.1021/acscentsci.3c01068>
10. Ao Zhang, Jingao Lu, Shachuan Feng, Huapeng Yu, Tao Yu, Shizheng Zhao, Kemin Chen, Zhibin Huang, Jin Xu, Jianan Y.Qu, Zilong Wen, " Fli1 acts in parallel with Pu.1 to control macrophage and neutrophil fate in zebrafish", *Journal of Genetics and Genomics*, (2023). <https://doi.org/10.1016/j.jgg.2023.11.001>
11. 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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14. Yue Wang, Min Liu, Qixin Wei, Wanjie Wu, Yanping He, Jiayang Gao, Renjie Zhou, Liwen Jiang, Jianan Qu, Jiang Xia, "Phase - Separated Multienzyme Compartmentalization for Terpene Biosynthesis in a Prokaryote". *Angewandte Chemie International Edition*, e202203909, <https://doi.org/10.1002/anie.202203909> (2022).
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