**Refereed Archival Journal Publications**

1. Zhongya Qin, Zhentao She, Congping Chen, Wanjie Wu, Jackie K.Y. Lau, Nancy Y. Ip and Jianan Y. Qu, “Deep tissue multi-photon imaging using adaptive optics with direct focus sensing and shaping", *Nature Biotechnology (2022).* [*https://doi.org/10.1038/s41587-022-01343-w*](https://doi.org/10.1038/s41587-022-01343-w)
2. Yue Wang, Min Liu, Qixin Wei, Wanjie Wu, Yanping He, Jiayang Gao, Renjie Zhou, Liwen Jiang, Jianan Qu, Jiang Xia (2022). “Phase‐Separated Multienzyme Compartmentalization for Terpene Biosynthesis in a Prokaryote”. *Angewandte Chemie International Edition,* *e202203909,* [*https://doi.org/10.1002/anie.202203909*](https://doi.org/10.1002/anie.202203909) *(2022).*
3. Wanjie Wu, Sicong He, Junqiang Wu, Congping Chen, Xuesong Li, Kai Liu and Jianan Y. Qu, “ Long-term in vivo imaging of mouse spinal cord through an optically cleared intervertebral window”*, Nature Communications , V. 13, 1959 (2022).* [*https://doi.org/10.1038/s41467-022-29496-x*](https://doi.org/10.1038/s41467-022-29496-x)
4. Wanjie Wu, Xuesong Li., Janan Qu, and Sicong He, "in vivo Imaging of Biological Tissues with Combined Two-Photon Fluorescence and Stimulated Raman Scattering Microscopy", *J. Vis. Exp. (JoVE) (178), e63411,* [*https://dx.doi.org/10.3791/63411*](https://dx.doi.org/10.3791/63411) *(2021)*
5. Congping Chen, Zhentao She, Peng Tang, Zhongya Qin, Jufang He and JiananY.Qu, "Study of neurovascular coupling by using mesoscopic and microscopic imaging", *iScience, V. 24, 10, 22 October 2021, 103176* [*https://doi.org/10.1016/j.isci.2021.103176*](https://doi.org/10.1016/j.isci.2021.103176)
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8. Ye Wang, Wing-Yu Fu, Kit Cheung, Kwok-Wang Hung, Congping Chen, Hongyan Geng, Wing-Ho Yung, Jianan Y. Qu, Amy K. Y. Fu and Nancy Y. Ip, "Astrocyte-secreted IL-33 mediates homeostatic synaptic plasticity in the adult hippocampus", *Proceedings of the National Academy of Sciences of the United States of America, V.118, (2021),* [*https://doi.org/10.1073/pnas.2020810118*](https://doi.org/10.1073/pnas.2020810118)
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