# Featured Publications

## （2014.01-2014.12）

1. Huang, W., She, L., Chang, X., Yang, R., Wang, L., Ji, H., Jiao, J., and **Poo, M.*** (2014) Protein kinase LKB1 regulates polarized dendrite formation of adult hippocampal newborn neurons. ***Proc. Natl. Acad. Sci. USA.*** 111: 469-474.
2. Xu, M., Zhang, S., Dan, Y., and **Poo, M.*** (2014) Representation of interval timing by temporally scalable firing patterns in rat prefrontal cortex. ***Proc. Natl. Acad. Sci. USA.*** 111: 480-485.
3. Wang, X., Chen, C., Zhang, D., and **Yao, H.*** (2014) Cumulative latency advance underlies fast visual processing in desynchronized brain state. ***Proc. Natl. Acad. Sci. USA.*** 111: 515-520.
4. Deng, C., Lei, W., Xu, X., Ju, X., Liu, Y., and **Luo, Z.*** (2014) JIP1 mediates anterograde transport of Rab10 cargos during neuronal polarization. ***J. Neurosci.*** 34: 1710-1723.
5. Chen, X., Rasch, M., Chen, G., Wu, S., and Zhang X.* (2014) Binocular input coincidence mediates the critical period plasticity of developing mouse visual cortex. ***J. Neurosci.*** 34: 2940-2955.
6. Zheng, J., Li, S., Zhang, X., Miao, W., Zhang, D., Yao, H., and **Yu, X.*** (2014) Oxytocin mediates early experience–dependent cross-modal plasticity in the sensory cortices. ***Nat. Neurosci.*** 17: 391-399.
7. Wang, K., Gong, J., Wang, Q., Li, H., Cheng, Q., Liu, Y., Zeng, S., and **Wang, Z.*** (2014) Parallel pathways convey olfactory information with opposite polarities in Drosophila. ***Proc. Natl. Acad. Sci. USA.*** 111: 3164-3169.
8. Cheng, T., Wang, Z., Liao, Q., Zhu, Y., Zhou, W., Xu, W., and **Qiu, Z.*** (2014) MeCP2 suppresses nuclear microRNA processing and dendritic growth by regulating the DGCR8/Drosha complex. ***Dev. Cell*** 28: 547-560.
9. Yin, J., Liu, X., Yuan, J., Jiang, J., and **Cai, S.*** (2014) Longevity manipulations differentially affect serotonin/dopamine level and behavioral deterioration in aging *Caenorhabditis elegans*. ***J. Neurosci.*** 34: 3947-3958.
10. Wang, J., Chen, F., Fu, X., Ding, C., Zhou, L., Zhang, X., and **Luo, Z.*** (2014) Caspase-3 cleavage of dishevelled induces elimination of postsynaptic structures. ***Dev. Cell*** 28: 670-684.
11. Xu, X., Deng, C., Liu, Y., He, M., Peng, J., Wang, T., Yuan, L., Zheng, Z., Blackshear, P., and **Luo, Z.*** (2014) MARCKS regulates membrane targeting of Rab10 vesicles to promote axon development. ***Cell Res.*** 24: 576–594.

12. Li, T., Tian, C., Scalmani, P., Frassoni, C., Mantegazza, M., Wang, Y., Yang, M., Wu, S., Shu, Y.* (2014) Action potential initiation in neocortical inhibitory interneurons. ***PLoS Biol.*** 12: e1001944.
13. He, L., Liu, N., Cheng, T., Chen, X., Li, Y., Shu, Y., Qiu, Z., and Zhang, X.* (2014) Conditional deletion of Mecp2 in parvalbumin-expressing GABAergic cells results in the absence of critical period plasticity. ***Nat. Commun.*** 5: 5036.
14. Liu, D., Gu, X., Zhu, J., Zhang, X., Han, Z., Yan, W., Cheng, Q., Hao, J., Fan, H., Hou, R., Chen, Z., Chen, Y., and **Li, C.*** (2014) Medial prefrontal activity during delay period contributes to learning of a working memory task. ***Science*** 346: 458-463.
15. Xiu, J., Zhang, Q., Zhou, T., Zhou, T., Chen, Y., and **Hu, H.*** (2014) Visualizing an emotional valence map in the limbic forebrain by TAI-FISH. ***Nat. Neurosci.*** 17: 1552-1559.
16. Guo, Y., Wang, Y., Wang, Q., and **Wang, Z.*** (2014) The role of PPK26 in Drosophila larval mechanical nociception. ***Cell Rep.*** 9: 1183-1190.
17. Wang, F., Kessels, H.*, and **Hu, H.*** (2014) The mouse that roared: neural mechanisms of social hierarchy. ***Trends Neurosci.*** 37: 674-682. (Review)

*** Corresponding Authors**