

## 2017 年神经科学国家重点实验室发表文章统计

1. Li, K., Jiang, Q., Bai, X., Yang, Y., Ruan, M., **Cai, S.\*** (2017) Tetrameric Assembly of K<sup>+</sup> Channels Requires ER-Located Chaperone Proteins. *Mol. Cell* 65:52-65
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3. Zhang S., Duan L., He S., Zhuang G., **Yu X.\*** (2017) Phosphatidylinositol 3,4-bisphosphate regulates neurite initiation and dendrite morphogenesis via actin aggregation. *Cell Res.* 27:253-273.
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11. Wang, M., Li, H., Takumi, T., Qiu, Z., Xu, X.\*, **Yu, X.\***, and Bian, W.\* (2017) Distinct defects in spine formation or pruning in two gene duplication mouse models of autism. *Neurosci. Bull.* 33: 143-152.

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## 参与

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4. Zhao, Z., Yang, W., Gao, C., Fu, X., Zhang, W., Zhou, Q., Chen, W., Ni, X., Lin, J., Yang, J., **Xu, X.**, Shen, W.(2017) A hypothalamic circuit that controls body temperature. *PNAS*. 114:2042-2047.
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## Review

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2. **Qiu, Z.\***, and Li, X. (2017) Non-human primate models for brain disorders - towards genetic manipulations via innovative technology. *Neurosci. Bull.* 33: 247-250.
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5. Li, K., Cai, B., Li, C., and **Zhang, X.\*** (2017) Presynaptic inhibition of nociceptive neurotransmission by somatosensory neuron-secreted suppressors. *Sci. China Life Sci.* 60: 1013-1018.
6. Lu, S., and **Zhou, J.\*** (2017) Finding the 'guilty' gene variant of sporadic parkinson's disease via CRISPR/Cas9. *Neurosci. Bull.* 33: 115-117.
7. Liu, F., and Chang, H.\* (2017) Physiological links of circadian clock and biological clock of aging. *Protein Cell* 8: 477-488.

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#### 开放课题

1. Wang Q., Shen F.Y., Zou R., Zheng J.J., **Yu X.\***, Wang Y.W.\* (2017) Ketamine-induced apoptosis in the mouse cerebral cortex follows similar characteristic of physiological apoptosis and can be regulated by neuronal activity. *Mol. Brain* 10(1):24.
2. Liu, H., Sang, S., Lu, Y., Wang, Z., **Yu, X.\***, and Zhong, C.J.\* (2017) Thiamine metabolism is critical for regulating correlated growth of dendrite arbors and neuronal somata. *Sci. Rep.* 7(1):5342
3. Rui Hao, Yu Qi, Dong-Ni Hou, Yuan-Yuan Ji, Chun-Yan Zheng, Chu-Yu Li, Wing-Ho Yung, Bai Lu and Ying Huang\* (2018) BDNF val66met Polymorphism Impairs Hippocampal Long-Term Depression by Down-Regulation of 5-HT3 Receptors. *Front Cell Neurosci.* 2017 11:306.

#### 学术论著

1. Zhen Liu, Yijun Cai, **Qiang Sun.** (2017) Genome Editing of Monkey. Part of the Methods Mol. Biol. Book Series. 1630,141-152.
2. **Aike Guo**, Zhefeng Gong, Hao Li, Yan Li, Li Liu, Qingqing Liu, Huimin Lu, Yufeng Pan, Qingzhong Ren, Zhihua Wu, Ke Zhang, Yan Zhu. (2017) Vision, Memory, and Cognition in *Drosophila*. In: Menzel, R. (ed.), *Learning Theory and Behavior, Vol. 1 of Learning and Memory: A Comprehensive Reference, 2nd edition*, Byrne, J.H. (ed.). pp. 483–503.

## 会议论文

- 1、 Wang Sh.\*, Su H.\*, Cheng X., Liu Y., **Guo A.#**, Chen Y.#. (2017) Tracking the 3D position and orientation of flying swarms with learned kinematic pattern using LSTM network, 2017 IEEE International Conference on Multimedia and Expo (ICME 2017)

## 发明专利

- 1、 多通道小动物吸入麻醉药剂量测定诱导箱, ZL201610008653.3, 授权 2017 年 12 月 10 日, 完成人: 张赅、唐琼瑶、李艳

## \* Corresponding Authors