

## CEBSIT Featured Publications

(2025.01-2025.12)

1. Zhang, L\*, Xu, Z., Jia, Z., Cai, S., Wu, Q., Liu, X., Hu, X., Bai, T., Chen, Y., Li, T., Liu, Z., Wu, B., Zhu, J., **Zhou, H.\***(2025)Modulating mTOR-dependent astrocyte substate transitions to alleviate neurodegeneration. *Nature Aging*. 5: 468–485.
2. Luo, T., Xu, M., Zheng, Z., **Gouki, O.\***(2025)Limitation of switching sensory information flow in flexible perceptual decision making. *Nat. Conmmun*. 16: 172.
3. Zhu, W., Meng, J., Li, Y., Gu, L., Liu, W., Li, Z., Shen, Y., Shen, X., Wang, Z., Wu, Y., Wang, G., Zhang, J., Zhang, H., Yang, H., Dong, X., Wang, H., Huang, X., **Sun, Y.\***, Li, C.\* , Mu, L.\* , **Liu, Z.\***(2025)Comparative proteomic landscapes elucidate human preimplantation development and failure. *Cell*. 188: 814-831.
4. Zhang, M., Feng, J., Xie, C., Song, N., Jin, C., Wang, J., Zhao, Q., Zhang, L., Wang, B., Sun, Y., Guo, F., Li, Y.\* , **Zhu, S.\***(2025) Assembly and architecture of endogenous NMDA receptors in adult cerebral cortex and hippocampus. *Cell*. 188: 1198-1207.
5. Sun, Y., Re, M., Zhang, Y., Li, S., Luo, Z., Sun, S., He, S., Wang, G., Zhang, D., Mansour, S., Song, L., **Liu, Z.\***(2025)Casz1 is required for both inner hair cell fate stabilization and outer hair cell survival. *Science*. 388: eado4930.
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9. Fang, W., Jiang, X., Chen, J., Zhang, C., **Wang, L.\*** (2025) Oscillatory control over representational geometry of sequence working memory in macaque frontal cortex. *Curr*.

**Biol.** 35: 1495-1507.e5.

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17. Li, J.\*, Liu, M., Du, W., Peng, X., Deng, H., Zi, H., Shang, H.\*, **Du, J.\***.(2025) Neural-activity-regulated and glia-mediated control of brain lymphatic development *Cell*. 12:3274-3290.e16
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22. Zeng, Z., Zhang, C., Xu, Y., He, H.\*, **Gu, Y.\*** (2025) Distinct neural population code and causal roles of primate caudate nucleus in multimodal decision-making. *Nat. Commun*. 16: 5253.
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