

Featured Publications

(1999.11-2004.12)

1. Tang, S., and **Guo, A.*** (2001) Choice behavior of *Drosophila* facing contradictory visual cues, *Science* 294, 1543-1547.
2. Zhang, C. and **Zhou, Z.*** (2002) Ca²⁺-independent but voltage-dependent secretion in mammalian dorsal root ganglion neurons. *Nat. Neurosci.* 5, 425-430.
3. Xiao, H., Huang, Q., Zhang, F., Bao, L., Lu, Y., Guo, C., Yang, L., Huang, W., Fu, G., Xu, S., Cheng, X., Yan, Q., Zhu, Z., Zhang, X., Chen, Z., Han Z., and **Zhang, X.*** (2002) Identification of gene expression profile of dorsal root ganglion in the rat peripheral axotomy model of neuropathic pain. *Proc. Natl. Acad. Sci. USA.* 99, 8360-8365.
4. Yao, H., and **Li, C.*** (2002) Clustered organization of neurons with similar extra-receptive field property in the primary visual cortex. *Neuron* 35, 547-553.
5. Xiang, Y., Li, Y., Zhang, Z., Wang, S., Yuan, X., Wu, C., Poo, M., and **Duan, S.*** (2002) Nerve growth cones guidance mediated by G-protein-coupled receptors. *Nat. Neurosci.* 5, 843-848.
6. **Yuan, X.***, Jin, M., Xu, X., Wu, C., Poo, M., and **Duan, S.*** (2003) Signalling and crosstalk of Rho GTPases in mediating axon guidance. *Nature Cell Biol.* 5, 38-45.
7. Bao, L., Jin, S., Zhang, C., Cai, H., Xu, Z., Wang, L., Xiao, H., Ning, F., Zhang, F., Lu, Y., Hokfelt, T., **Zhou, Z.*** and **Zhang, X.*** (2003) Activation of delta-Opioid Receptors on Dorsal Root Ganglion Neurons Induces Receptor Insertion and Neuropeptide Secretion. *Neuron* 37, 121-133.
8. Wang, Z., Xu, N., Wu, C., **Duan, S.*** and **Poo, M.*** (2003) Bidirectional Changes in Spatial Dendritic Integration Accompanying Long-Term Synaptic Modifications. *Neuron* 37, 463-472
9. Duan, K., Yu, X., Zhang C., and **Zhou, Z.*** (2003) Control of Secretion by Temporal Patterns of Action Potentials in Adrenal Chromaffin Cells. *J. Neurosci.* 23, 11235-11243.
10. Zhang, J., Wang, H., Ye, C., Ge, W., Chen, Y., Jiang, Z., Wu, C., Poo, M., and **Duan, S.*** (2003) ATP Released by Astrocytes Mediates Glutamatergic Activity-Dependent Heterosynaptic Suppression. *Neuron* 40, 971-982.
11. Yang, Y., Ge, W., Chen, Y., Zhang, Z., Shen, W., Wu, C., Poo, M., and **Duan, S.*** (2003) Contribution of astrocytes to hippocampal long-term potentiation through release of D-serine. *Proc. Natl. Acad. Sci. USA.* 100, 15194-15199.

12. Yu, X., Duan, K., Shang, C., Yu, H., and **Zhou, Z.*** (2004) Calcium Influx through Ih Channels Contributes to Activity-Evoked Neuronal Secretion. *Proc. Natl. Acad. Sci. USA*. 101, 1051-1056.
13. Li, C., Lu, J., Wu, J., Duan, S., and **Poo, M.*** (2004) Bidirectional Modification of Presynaptic Neuronal Excitability Accompanying Spike Timing-Dependent Synaptic Plasticity. *Neuron* 41, 257-268.
14. Xu, H., Yuan, X., Guan, C., Duan, S., Wu, C., and **Feng, L.*** (2004) Calcium signaling in chemorepellant Slit2-dependent regulation of neuronal migration. *Proc. Natl. Acad. Sci. USA* 101, 4296-4301.
15. Zhang, C., Xiong, W., Zheng, H., Wang, L., Lu, B., and **Zhou, Z.*** (2004) Calcium- and Dynamin-Independent Endocytosis in Dorsal Root Ganglion Neurons. *Neuron* 42, 225-236.

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