

Featured Publications

(2006.01—2006.12)

1. Xu, N., Ye, C., **Poo, M.,*** and **Zhang, X.*** (2006) Coincidence detection of synaptic inputs is facilitated at the distal dendrites after long-term potentiation induction. *J. Neurosci.* 26: 3002-3009.
2. Shen, W., Wu, B., Zhang, Z., Dou, Y., Rao, Z., Chen, Y., and **Duan, S.*** (2006) Activity-induced rapid synaptic maturation mediated by presynaptic cdc42 signaling. *Neuron* 50: 401-414.
3. Chen, Y., Wang, Q. Hu, H., Yu, P., Zhu, J., Drewes, G., Piwnica-Worms, H., and **Luo, Z.*** (2006) Microtubule affinity-regulating kinase 2 functions downstream of the PAR-3/PAR-6/atypical PKC complex in regulating hippocampal neuronal polarity. *Proc. Natl. Acad. Sci. USA.* 103: 8534-8539.
4. Ge, W., Yang, X., Zhang, Z., Wang, H., Shen, W., Deng, Q., and **Duan, S.*** (2006) Long-term potentiation of neuron-glia synapses mediated by Ca²⁺-permeable AMPA receptors. *Science* 312: 1533-1537.
5. **Zhang, X.***, Bao, L., and Guan, J. (2006) Role of delivery and trafficking of delta-opioid peptide receptors in opioid analgesia and tolerance. *Trends Pharmacol. Sci.* 27: 324-329. (Review)
6. Yan, D., Gou, L., and **Wang, Y.*** (2006) Requirement of dendritic Akt degradation by ubiquitin proteasome system for neuronal polarity. *J. Cell Biol.* 174: 415-424.
7. **Zhang, X.***, and Bao, L. (2006) The development and modulation of nociceptive circuitry. *Curr. Opin. Neurobiol.* 16: 460-466. (Review)

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