

ION Publication List

(2003.01-2003.12)

1. **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.
2. 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.
3. 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.
4. Lou, X., Yu, X., Chen, X., He, L., Duan, K., Qu, A., Xu, T., and **Zhou, Z.*** (2003) Na⁺ channel inactivation: a comparative study between pancreatic islet beta-cells and adrenal chromaffin cells in rat. *J. Physiol. (Lond)* 548: 191-202.
5. Fan, C., Chen, X., Zhang, C., Wang, L., Duan, K., He, L., Cao, Y., Liu, S., Zhong, M., Ulens, C., Tytgat, J., Chen, J., Chi, C.,* and **Zhou, Z.*** (2003) A Novel Conotoxin from *Conus betulinus*, -BtX, unique in Cysteine Pattern and in Function as a specific BK Channel Modulator. *J. Biol. Chem.* 278: 12624-12633.
6. Xu, N., Bao, L., Fan, H., Bao, G., Pu, L., Lu, L., Wu, C., **Zhang, X.,*** and Pei, G.*(2003) Morphine Withdrawal Increases Glutamate Uptake and Surface Expression of Glutamate Transporter GLT1 at Hippocampal Synapses. *J. Neurosci.* 23: 4775-4784.
7. Liu, G., Zhang, Y., Pettigrew, J., Xu, W., and **Li, C.*** (2003) Spreading and synchronization of intrinsic signals in visual cortex of macaque monkey evoked by a localized visual stimulus. *Brain Res.* 985: 13-20.
8. **He, S.***, Dong, W., Deng, Q., Weng, S., and Sun, W. (2003) Seeing More Clearly: Recent Advances in Understanding Retinal Circuitry. (Review) *Science* 302: 408-411.
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.

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