

楊雅晴 副教授

所有發表期刊論文

1. **Y.-C. Yang***, C.-C. Hu and Y.-C. Lai (2015) Non-additive modulation of synaptic transmission by serotonin, adenosine, and cholinergic modulators in the sensory thalamus. **Frontiers in Cellular Neuroscience** 9:60. (*Corresponding Author)
2. **Y.-C. Yang***, C.-C. Hu, C.-S. Huang, and P.-Y. Chou (2014) Thalamic synaptic transmission of sensory information modulated by synergistic interaction of adenosine and serotonin. **Journal of Neurochemistry** 128:852-863 (*Corresponding Author)
3. **Y.-C. Yang**, C.-H. Tai, M.-K. Pan, C.-C. Kuo (2014) The T-type calcium channel as a new therapeutic target for Parkinson's disease. **Pflügers Archiv** 466(4):747-755
4. C.-H. Tai, M.-K. Pan, J. J. Lin, C.-S. Huang, **Y.-C. Yang*** and C.-C. Kuo* (2012) Subthalamic discharges as a causal determinant of parkinsonian motor deficits. **Annals of Neurology** 72(3):464-76. (*Corresponding Author)
5. C.-H. Tai, **Y.-C. Yang (co-first author)**, M.-K. Pan, C.-S. Huang, and C.-C. Kuo (2011) Modulation of subthalamic T-type Ca^{2+} channels remedies locomotor deficits in a rat model of Parkinson disease. **Journal of Clinical Investigation** 121(8):3289-3305.
6. **Y.-C. Yang**, S. Lin, P.-C. Chang, H.-C. Lin, and C.-C. Kuo (2011) Functional extension of amino acid triads from the fourth transmembrane segment (S4) into its external linker in Shaker K^+ Channels. **Journal of Biological Chemistry** 286: 37503-37514
7. **Y.-C. Yang**, C.-S. Huang, and C.-C. Kuo (2010) Lidocaine, carbamazepine, and imipramine have partially overlapping binding sites and additive inhibitory effect on neuronal Na^+ channels. **Anesthesiology** 112(7):160-174
8. **Y.-C. Yang**, C.-H. Lee (co-first author), and C.-C. Kuo (2010) Ionic flow enhances low-affinity binding: a revised mechanistic view into Mg^{2+} block of NMDA receptors. *equal contribution. **Journal of Physiology (London)** 588(4):633-650
9. **Y.-C. Yang**, J.-Y. Hsieh, and C.-C. Kuo (2009) The external pore loop interacts with S6 and S3-S4 linker in domain 4 to assume an essential role in gating control and anticonvulsant action in the Na^+ channel. **Journal of General Physiology** 134: 95-113

10. **Y.-C. Yang**, C.-J. Own, and C.-C. Kuo (2007) A hydrophobic element secures S4 voltage sensor in position in the resting Shaker K⁺ channel. ***Journal of Physiology (London)*** 582(3):1059-1072
11. **Y.-C. Yang** and C.-C. Kuo (2005) An inactivation stabilizer of the Na⁺ channel acts as an opportunistic pore blocker modulated by external Na⁺. ***Journal of General Physiology*** 125:465-481.
12. C.-C. Kuo, W.-Y. Chen, and **Y.-C. Yang** (2004) Block of tetrodotoxin-resistant Na⁺ channel pore by multivalent cations: gating modification and Na⁺ flow dependence. ***Journal of General Physiology*** 124:27-42.
13. **Y.-C. Yang** and C.-C. Kuo (2003) The position of the fourth segment of domain 4 determines status of the inactivation gate in Na⁺ channels. ***Journal of Neuroscience*** 23:4922-4930.
14. **Y.-C. Yang** and C.-C. Kuo (2002) Inhibition of Na⁺ current by imipramine and related compounds: different binding kinetics as an inactivation stabilizer and as an open channel blocker. ***Molecular Pharmacology*** 62:1228-1237. (Ranking: 23/252)