

เอกสารอ้างอิง

1. B. Hille "Ion Channels of Excitable Membranes", 2nd Edition, University of Washington, Sinauer Associates Inc. 1992. 607 pages.
2. พรเทพ สมพรพิสุทธิ, เคมีชีวอินทรีย์เบื้องต้น, พิมพ์ครั้งที่ 1 กรุงเทพฯ: สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย, 2552, 249 หน้า
3. Altenbach C, Flitsch SL, Khorana HG, Hubbell WL. "Structural studies on transmembrane proteins. 2. Spin labeling of bacteriorhodopsin mutants at unique cysteines." *Biochem.* 1989;28:7806–7812
4. Hubbell WL, Altenbach C. "Investigation of structure and dynamics in membrane proteins using site-directed spin labeling." *Curr Opin Struct Biol.* 1994;4:566–573.
5. Perozo E, Cortes DM, Cuello LG. "Three-dimensional architecture and gating mechanism of a K_v channel studied by EPR spectroscopy", *Nat. Struct. Biol.* 1998;5:459-469.
6. Doyle DA, Cabral JM, Pfuetzner RA, Kuo AL, Gulbis JM, Cohen SL, Chait BT, MacKinnon R. "The structure of the potassium channel: Molecular basis of K_v conduction and selectivity." *Science.* 1998;280:69-77.
7. Sompornpisut P, Liu YS, Perozo E "Calculation of rigid-body conformational changes using restraint-driven Cartesian transformations" *Biophysical J.* 2001;81:2530-2546.
8. Liu YS, Sompornpisut P, Perozo E. "Structure of the KcsA channel intracellular gate in the open state." *Nat. Struct. Biol.* 2001 8:883-887.
9. Perozo E, Cortes DM, Sompornpisut P, Kloda A, Martinac B. "Open channel structure of MscL and the gating mechanism of mechanosensitive channels." *Nature* 2002, 418:942-948.
10. Sompornpisut P, Roux B, Perozo E. "Structural refinement of membrane proteins by restrained molecular dynamics and solvent accessibility data." *Biophysical J.* 2008, 95:5349-5361.
11. Vasquez V, Sotomayor M, Cordero-Morales J, Schulten K, Perozo E. "A structural mechanism for MscS gating in lipid bilayers." *Science.* 2008, 321:1210-1214.

12. Chakrapani S, Cuello LG, Cortes DM, Perozo E. "Structural dynamics of an isolated voltage-sensor domain in a lipid bilayer." *Structure*. 2008, 3: 398-409.
13. Shafrir Y, Durell SR, Guy HR. "Models of voltage-dependent conformational changes in NaChBac channels." *Biophys. J.* 2008, 95: 3663-3676.
14. Cuello LG, Cortes DM, Perozo E "Molecular architecture of the KvAP voltage-dependent K^+ channel in a lipid bilayer." *Science* 2004, 306:491–495.
15. Jiang Y, Lee A, Chen J, Ruta V, Cadene M, Chait BT, MacKinnon R. "X-ray structure of a voltage-dependent K^+ channel." *Nature* 2003, 423:33-41.
16. Long SB, Tao X, Campbell EB, MacKinnon R. "Atomic structure of a voltage-dependent K^+ channel in a lipid membrane-like environment." *Nature*. 2007, 450:376-82.
17. Broomand A, Elinder F. 'Large-scale movement within the voltage-sensor paddle of a potassium channel-support for a helical-screw motion.' *Neuron* 2008;59:770-7.
18. Schow EV, Freitas JA, Gogna K, White SH, Tobias DJ. "Down-state model of the voltage-sensing domain of a potassium channel." *Biophys J.* 2010 16;98:2857-66.