

- 1117 A delayed rectifier potassium current in *Xenopus* oocytes
Luo Lu, Chahrzad Montrose-Rafizadeh, Tzyh-Chang Hwang, and William B. Guggino
 - 1125 Characterization of two low E_m forms of cytochrome a_3 and their carbon monoxide complexes in mammalian cytochrome c oxidase
Gurmel S. Sidhu and Richard W. Hendler
 - 1141 In search of a putative long-lived relaxed radical pair state in closed photosystem II. Kinetic modeling of picosecond fluorescence data
Theo A. Roelofs and Alfred R. Holzwarth
 - 1155 Distortion of magnetic evoked fields and surface potentials by conductivity differences at boundaries in brain tissue
Jin-Chu Huang, Charles Nicholson, and Yoshio C. Okada
 - 1167 The membrane skeleton of erythrocytes. A percolation model
Michael J. Saxton
 - 1179 Phase fluctuation in phospholipid membranes revealed by Laurdan fluorescence
Tiziana Parasassi, Gelsomina De Stasio, Antonio d'Ubaldo, and Enrico Gratton
 - 1187 Interactions between charged, uncharged, and zwitterionic bilayers containing phosphatidylglycerol
T. J. McIntosh, A. D. Magid, and S. A. Simon
 - 1199 Phospholipid order in gel- and fluid-phase cell-size liposomes measured by digitized video fluorescence polarization microscopy
Kathryn Florine-Casteel
 - 1217 Intestinal Na^+ /glucose cotransporter expressed in *Xenopus* oocytes is electrogenic
Joy A. Umbach, Michael J. Coady, and Ernest M. Wright
 - 1225 Effective bilayer expansion and erythrocyte shape change induced by monopalmitoyl phosphatidylcholine. Quantitative light microscopy and NMR spectroscopy measurements
Lang-Ming Chi and Wen-guey Wu
 - 1233 Ca^{2+} release by inositol-trisphosphorothioate in isolated triads of rabbit skeletal muscle
Carmen Valdivia, Hector H. Valdivia, Barry V. L. Potter, and Roberto Coronado
 - 1245 Routes to chaos in a model of a bursting neuron
C. C. Canavier, J. W. Clark, and J. H. Byrne
 - 1253 Fine structure of the intracochlear potential field. I. The silent current
Michael Zidanic and William E. Brownell
 - 1269 Tryptophan-47 rotational isomerization in variant-3 scorpion neurotoxin. A combination thermodynamic perturbation and umbrella sampling study
Christopher Haydock, Joseph C. Sharp, and Franklyn G. Prendergast
- brief communication**
- 1281 Activation of two different receptors mobilizes calcium from distinct stores in *Xenopus* oocytes
Hagit Shapira, Monica Lupu-Meir, Marvin C. Gershengorn, and Yoram Oron