

AUTHOR INDEX

- Anagnostopoulos, T., see Edelman, A. (514) 137
- Bach, D., Bursuker, I., Eibl, H. and Miller, I.R.
- Differential scanning calorimetry of dipalmitoyl phosphatidylcholine analogues and of their interaction products with basic polypeptides (514) 310
- Beck, S., see Heller, M. (514) 332
- Besch, H.R. Jr., see Jones, L.R. (514) 294
- Biltonen, R., see Freire, E. (514) 54
- Blok, M.C., Hellingwerf, K.J., Kaptein, R. and De Kruijff, B.
- Light-induced pH changes inside bacteriorhodopsin vesicles as measured by ^{31}P NMR (514) 178
- Bloom, S.
- The relationship between calcium flux and beating in hyperpermeable heart muscle cells (514) 206
- Bursuker, I., see Bach, D. (514) 310
- Büldt, G., see Shepherd, J.C.W. (514) 83
- Cullis, P.R., see De Kruijff, B. (514) 1
- Dahl, G., Schudt, C. and Gratzl, M.
- Fusion of isolated myoblast plasma membranes. An approach to the mechanism (514) 105
- De Kruijff, B., Van den Besselaar, A.M.H.P., Cullis, P.R., Van den Bosch, H. and Van Deenen, L.L.M.
- Evidence for isotropic motion of phospholipids in liver microsomal membranes. A ^{31}P NMR study (514) 1
- De Kruijff, B., see Van Zoelen, E.J.J. (514) 9
- De Kruijff, B., see Blok, M.C. (514) 178
- De Kruijff, B., see Koter, M. (514) 255
- Edelman, A., Teulon, J. and Anagnostopoulos, T.
- The effect of a disulfonic acid stilbene on proximal cell membrane potential in Necturus kidney (514) 137
- Eibl, H., see Bach, D. (514) 310
- Epand, R.M.
- Studies on the effect of the lipid phase transition on the interaction of glucagon with dimyristoyl glycerophosphocholine (514) 185
- Freire, E. and Biltonen, R.
- Estimation of molecular averages and equilibrium fluctuations in lipid bilayer systems from the excess heat capacity function (514) 54
- Fried, V.A. and Rothfield, L.I.
- Interactions between lipopolysaccharide and phosphatidylethanolamine in molecular monolayers (514) 69
- Gankema, H., see Wensink, J. (514) 128
- Gratzl, M., see Dahl, G. (514) 105
- Guinée, P.A.M., see Wensink, J. (514) 128
- Harun, S.H., see Miller, D.M. (514) 320
- Heller, K.B. and Höfer, M.
- Temperature dependence of the apparent affinity and the maximal velocity of the membrane-bound monosaccharide transport system in the yeast *Rhodotorula gracilis* (514) 172
- Heller, M. and Beck, S.
- Interactions of cardiac glycosides with cells and membranes. Properties and structural aspects of two receptor sites for ouabain in erythrocytes (514) 332
- Hellingwerf, K.J., see Blok, M.C. (514) 178
- Hodson, S., see Mayes, K.R. (514) 286
- Höfer, M., see Heller, K.B. (514) 172
- Jansen, W.H., see Wensink, J. (514) 128
- Jayakumar, A., Singh, M. and Prasad, R.
- Characteristics of proline transport in normal and starved cells of *Candida albicans* (514) 348
- Jones, L.R., Phan, S.H. and Besch, H.R. Jr.
- Gel electrophoretic and density gradient analysis of the ($\text{K}^+ + \text{Ca}^{2+}$)-ATPase and the ($\text{Na}^+ + \text{K}^+$)-ATPase activities of cardiac membrane vesicles (514) 294

- Kaptein, R., see Blok, M.C. (514) 178
- Karvaly, B., see Loshchilova, E. (514) 274
- Khare, R.S. and Worthington, C.R.
The structure of oriented sphingomyelin bilayers (514) 239
- Kilner, J., see Loeb, M.R. (514) 117
- Koter, M., De Kruijff, B. and Van Deenen, L.L.M.
Calcium-induced aggregation and fusion of mixed phosphatidylcholine-phosphatidic acid vesicles as studied by ^{31}P NMR (514) 255
- Langeveld, J.P.M., Veerkamp, J.H., Monnens, L.A.H. and Van Haelst, U.J.G.
Chemical characterization of glomerular and tubular basement membranes of cattle of different ages (514) 225
- Leblanc, G., see Le Grimellec, C. (514) 152
- Lee, A.G.
Effects of charged drugs on the phase transition temperatures of phospholipid bilayers (514) 95
- Le Grimellec, C. and Leblanc, G.
Effect of membrane cholesterol on potassium transport in *Mycoplasma mycoides* var. Capri (PG3) (514) 152
- Loeb, M.R. and Kilner, J.
Release of a special fraction of the outer membrane from both growing and phage T4-infected *Escherichia coli* B (514) 117
- Loshchilova, E. and Karvaly, B.
Laser Raman studies of molecular interactions with phosphatidylcholine multilayers. II. Effects of mono- and divalent ions on bilayer structure (514) 274
- Low, P.S.
Specific cation modulation of anion transport across the human erythrocyte membrane (514) 264
- Loyter, A., see Volsky, D.J. (514) 213
- Luzio, J.P., see Stanley, K.K. (514) 198
- Mather, I.H.
Separation of the proteins of bovine milk-fat globule membranes by electrofocusing (514) 25
- Maxild, J., see Sheikh, M.I. (514) 356
- Mayes, K.R. and Hodson, S.
Local osmotic coupling to the active trans-endothelial bicarbonate flux in the rabbit cornea (514) 286
- Miller, D.M. and Harun, S.H.
The kinetics of the active and de-energized transport of O-methyl glucose in *Ustilago maydis* (514) 320
- Miller, I.R., see Bach, D. (514) 310
- Monnens, L.A.H., see Langeveld, J.P.M. (514) 225
- Peterlik, M.
Phosphate transport by embryonic chick duodenum. Stimulation by vitamin D_3 (514) 164
- Phan, S.H., see Jones, L.R. (514) 294
- Prasad, R., see Jayakumar, A. (514) 348
- Rogus, E., see Zierler, K. (514) 37
- Rothfield, L.I., see Fried, V.A. (544) 69
- Schudt, C., see Dahl, G. (514) 105
- Sheikh, M.I. and Maxild, J.
Kinetic studies on the renal transport of probenecid in vitro (514) 356
- Shepherd, J.C.W. and Büldt, G.
Zwitterionic dipoles as a dielectric probe for investigating head group mobility in phospholipid membranes (514) 83
- Singh, M., see Jayakumar, A. (514) 348
- Stanley, K.K. and Luzio, J.P.
The Arrhenius plot behaviour of rat liver 5'-nucleotidase in different lipid environments (514) 198
- Teulon, J., see Edelman, A. (514) 137
- Van Deenen, L.L.M., see De Kruijff, B. (514) 1
- Van Deenen, L.L.M., see Van Zoelen, E.J.J. (514) 9
- Van Deenen, L.L.M., see Koter, M. (514) 255
- Van den Bosch, H., see De Kruijff, B. (514) 1
- Van den Besselaar, A.M.H.P., see De Kruijff, B. (514) 1
- Van Dijk, P.W.M., see Van Zoelen, E.J.J. (514) 9
- Van Haelst, U.J.G., see Langeveld, J.P.M. (514) 225
- Van Zoelen, E.J.J., Van Dijk, P.W.M., De Kruijff, B., Verkleij, A.J. and Van Deenen, L.L.M.
Effect of glycophorin incorporation on the physicochemical properties of phospholipid bilayers (514) 9
- Veerkamp, J.H., see Langeveld, J.P.M. (514) 225
- Verkleij, A.J., see Van Zoelen, E.J.J. (514) 9
- Villegas, L.
Non-step intracellular voltage response of epithelial and oxyntic cells in frog gastric mucosa (514) 145

Volsky, D.J. and Loyter, A.

Inhibition of membrane fusion by suppression of lateral movement of membrane proteins (514) 213

Wensink, J., Gankema, H., Jansen, W.H., Guinée, P.A.M. and Witholt, B.

Isolation of the membranes of an enterotoxigenic strain of *Escherichia coli* and

distribution of enterotoxin activity in different subcellular fractions (514) 128

Witholt, B., see Wensink, J. (514) 128

Worthington, C.R., see Khare, R.S. (514) 239

Zierler, K. and Rogus, E.

Fluorescence of 1,8-anilinonaphthalene sulfonic acid bound to proteins and lipids of sarcolemma (514) 37