

AUTHOR INDEX

- Acey, R.A., see Dabich, D. (684) 146
- Aggett, P.J., Fenwick, P.K. and Kirk, H.
The effect of amphotericin B on the permeability of lipid bilayers to divalent trace metals (684) 291
- Akutsu, H., see Browning, J.L. (684) 172
- Alecio, M.R., see Rando, R.R. (684) 12
- Al-Saleh, E.A. and Wheeler, K.P.
Transport of neutral amino acids by human erythrocytes (684) 157
- Bach, J.-F., see Gastinel, L.N. (684) 117
- Balasubramanian, T.M., see Vodyanoy, I. (684) 53
- Bangerter, F.W., see Evenberg, D. (684) 12
- Baskin, L.S. and Yang, C.S.
Cross-linking studies of the protein topography of rat liver microsomes (684) 263
- Besson, F., see Quentin, M.J. (684) 207
- Beyer, E., see Deuticke, B. (684) 96
- Blommaert, J., see Evenberg, D. (684) 241
- Bonicel, J., see Feracci, H. (684) 133
- Bootsma, R., see Evenberg, D. (684) 241
- Bricas, E., see Gastinel, L.N. (684) 117
- Brown, R.E. and Cunningham, C.C.
Negatively charged phospholipid requirement of the oligomycin-sensitive mitochondrial ATPase (684) 141
- Browning, J.L. and Akutsu, H.
Local anesthetics and divalent cations have the same effect on the headgroups of phosphatidylcholine and phosphatidylethanolamine (684) 172
- Brun, B., see Sandeaux, R. (684) 127
- Cameron, D.G., see Snyder, R.G. (684) 111
- Casal, H.L., see Snyder, R.G. (684) 111
- Colaco, C.A.L.S. and Evans, W.H.
Partial purification of an intercalated disc-containing cardiac plasma membrane fraction (684) 40
- Compton, D.A.C., see Snyder, R.G. (684) 111
- Cullis, P.R., see De Kruijff, B. (684) 47
- Cullis, P.R., see Madden, T.D. (684) 149
- Cullis, P.R., see Tilcock, C.P.S. (684) 212
- Cunningham, C.C., see Brown, R.E. (684) 141
- Dabich, D. and Acey, R.A.
Transport of glucosamine (aldohexoses) by preimplantation mouse blastocysts (684) 146
- Dardenne, M., see Gastinel, L.N. (684) 117
- De Kruijff, B., Nayar, R. and Cullis, P.R.
³¹P-NMR studies on phospholipid structure in membranes of intact, functionally-active, rat liver mitochondria (684) 47
- De Kruijff, B., see Vasilenko, I. (684) 282
- De Kruijff, B., see Verkleij, A.J. (684) 255
- De Maagd, R., see Verkleij, A.J. (684) 255
- Desnuelle, P., see Feracci, H. (684) 133
- Deuticke, B., Beyer, E. and Forst, B.
Discrimination of three parallel pathways of lactate transport in the human erythrocyte membrane by inhibitors and kinetic properties (684) 96
- Diedrich, D.F., see Fannin, F.F. (684) 228
- Ehrenspeck, G.
Effect of 3-isobutyl-1-methylxanthine on HCO₃⁻ transport in turtle bladder. Evidence for electrogenic HCO₃⁻ secretion (684) 219
- Evans, J.O., see Fannin, F.F. (684) 228
- Evans, W.H., see Colaco, C.A.L.S. (684) 40
- Evenberg, D. and Lugtenberg, B.
Cell surface of the fish pathogenic bacterium *Aeromonas salmonicida*. II. Purification and characterization of a major cell envelope protein related to autoagglutination, adhesion and virulence (684) 249
- Evenberg, D., Van Boxtel, R., Lugtenberg, B., Schurer, F., Blommaert, J. and Bootsma, R.
Cell surface of the fish pathogenic bacterium *Aeromonas salmonicida*. I. Relationship between autoagglutination and the presence of a major cell envelope protein (684) 241
- Fannin, F.F., Evans, J.O. and Diedrich, D.F.
Phloretinyl-3'-benzylazide. A high affinity probe for the sugar transporter in human erythrocytes. II. Irreversible transport inhibition is induced by photolysis (684) 228
- Felgner, P.L., see Lichtenberg, D. (684) 277
- Fenwick, P.K., see Aggett, P.J. (684) 291
- Feracci, H., Maroux, S., Bonicel, J. and Desnuelle, P.
The amino acid sequence of the hydrophobic anchor of rabbit intestinal brush border aminopeptidase N (684) 133
- Ferguson, K.A., Hui, S.W., Stewart, T.P. and Yeagle, P.L.
Phase behavior of the major lipids of *Tetrahymena* ciliary membranes (684) 179
- Forst, B., see Deuticke, B. (684) 96
- Gastinel, L.N., Pleau, J.-M., Dardenne, M., Sasaki, A., Bricas, E., Morgat, J.-L. and Bach, J.-F.
High affinity binding sites on plasma membrane obtained from the lymphoblastoid cultured 1301 cell line for highly radioactive serum thymic factor (684) 117
- Gavach, C., see Sandeaux, R. (684) 127
- Grignon, C., see Rossignol, M. (684) 195

- Hall, J.E., Vodyanoy, I. (684) 53
 Hui, S.W., see Ferguson, K.A. (684) 179
- Ingbar, S.H., see Segal, J. (684) 7
 Ingebretsen, O.C. and Normann, P.T.
 Transport of ascorbate into guinea pig liver mitochondria (684) 21
- Karush, F., see Sinha, D. (684) 187
 Kinsel, J.F., Melnik, E.I., Lindenbaum, S., Sternson, L.A. and Ovchinnikov, Yu.A.
 The effect of amine structure on complexation with lasalocid in model membrane systems. I. Identification of charged complexes in lipid bilayer membranes (684) 233
 Kippen, I., see Wright, S.H. (684) 287
 Kirk, H., see Aggett, P.J. (684) 291
 Kitabchi, A.E. and Wimalasena, J.
 Specific binding sites for D- α -tocopherol on human erythrocytes (684) 200
- Lakowicz, J.R., see Omann, G.M. (684) 83
 Leunissen-Bijvelt, J., see Verkleij, A.J. (684) 255
 Lichtenberg, D., Felgner, P.L. and Thompson, T.E.
 Transition of a liquid crystalline phosphatidylcholine bilayer to the gel phase in a vesicle reduces the internal aqueous volume (684) 277
 Lindenbaum, S., see Kinsel, J.F. (684) 233
 Lugtenberg, B., see Evenberg, D. (684) 241
 Lugtenberg, B., see Evenberg, D. (684) 249
- Madden, T.D. and Cullis, P.R.
 Stabilization of bilayer structure for unsaturated phosphatidylethanolamines by detergents (684) 149
 Mantsch, H.H., see Snyder, R.G. (684) 111
 Marie, H., see Schubert, D. (684) 75
 Maroux, S., see Feracci, H. (684) 133
 Marshall, G.R., see Vodyanoy, I. (684) 53
 Melnik, E.I., see Kinsel, J.F. (684) 233
 Michel, G., see Quentin, M.J. (684) 207
 Morgat, J.-L., see Gastinel, L.N. (684) 117
- Nayar, R., see De Kruijff, B. (684) 47
 Neugebauer, D.-C. and Zingsheim, H.P.
 Structural changes in alkaline-treated postsynaptic membranes from *Torpedo marmorata* are not due to lipid hydrolysis (684) 272
 Normann, P.T., see Ingebretsen, O.C. (684) 21
- Ohnishi, T., Suzuki, T., Suzuki, Y. and Ozawa, K.
 A comparative study of plasma membrane Mg²⁺-ATPase activities in normal, regenerating and malignant cells (684) 67
 Omann, G.M. and Lakowicz, J.R.
 Interactions of chlorinated hydrocarbon insecticides with membranes (684) 83
 Ovchinnikov, Yu.A., see Kinsel, J.F. (684) 233
 Ozawa, K., see Ohnishi, T. (684) 67
- Peypoux, F., see Quentin, M.J. (684) 207
 Pleau, J.-M., see Gastinel, L.N. (684) 117
- Quentin, M.J., Besson, F., Peypoux, F. and Michel, G.
 Action of peptidolipidic antibiotics of the iturin group on erythrocytes. Effect of some lipids on hemolysis (684) 207
- Rando, R.R., Bangerter, F.W. and Alecio, M.R.
 The synthesis and properties of a functional fluorescent cholesterol analog (684) 12
 Rossignol, M., Thomas, P. and Grignon, C.
 Proton permeability of liposomes from natural phospholipid mixtures (684) 195
 Ruocco, M.J. and Shipley, G.G.
 Characterization of the sub-transition of hydrated dipalmitoylphosphatidylcholine bilayers. X-ray diffraction study (684) 59
- Sandeaux, J., see Sandeaux, R. (684) 127
 Sandeaux, R., Sandeaux, J., Gavach, C. and Brun, B.
 Transport of Na⁺ by monensin across bimolecular lipid membranes (684) 127
 Sasaki, A., see Gastinel, L.N. (684) 117
 Schubert, D. and Marie, H.
 The structure of mixed cholesterol-phospholipid monolayers spread at the air-water interface as probed by interactions with band 3 protein from erythrocyte membranes (684) 75
 Schurer, F., see Evenberg, D. (684) 241
 Segal, J. and Ingbar, S.H.
 A postulated mechanism for the coordinate effects of ionophore A23187 on calcium uptake and cell viability in rat thymocytes (684) 7
- Shipley, G.G., see Ruocco, M.J. (684) 59
 Sinha, D. and Karush, F.
 Specific reactivity of lipid vesicles conjugated with oriented anti-lactose antibody fragments (684) 187
 Snyder, R.G., Cameron, D.G., Casal, H.L., Compton, D.A.C. and Mantsch, H.H.
 Studies on determining conformational order in n-alkanes and phospholipids from the 1130 cm⁻¹ Raman band (684) 111
- Sternson, L.A., see Kinsel, J.F. (684) 233
 Stewart, T.P., see Ferguson, K.A. (684) 179
 Südhof, T.C.
 Core structure, internal osmotic pressure and irreversible structural changes of chromaffin granules during osmometer behaviour (684) 27
- Suzuki, T., see Ohnishi, T. (684) 67
 Suzuki, Y., see Ohnishi, T. (684) 67
- Thomas, P., see Rossignol, M. (684) 195
 Thompson, T.E., see Lichtenberg, D. (684) 277
 Tilcock, C.P.S. and Cullis, P.R.
 The polymorphic phase behaviour and miscibility properties of synthetic phosphatidylethanolamines (684) 212
- Van Boxtel, R., see Evenberg, D. (684) 241

Vasilenko, I., De Kruijff, B. and Verkleij, A.J.

Polymorphic phase behaviour of cardiolipin from bovine heart and from *Bacillus subtilis* as detected by ^{31}P -NMR and freeze-fracture techniques. Effects of Ca^{2+} , Mg^{2+} , Ba^{2+} and temperature (684) 282

Verkleij, A.J., De Maagd, R., Leunissen-Bijvelt, J. and De Kruijff, B.

Divalent cations and chlorpromazine can induce non-bilayer structures in phosphatidic acid-containing model membranes (684) 255

Verkleij, A.J., see Vasilenko, I. (684) 282

Vodyanoy, I., Hall, J.E., Balasubramanian, T.M. and Marshall, G.R.

Two purified fractions of alamethicin have different conductance properties (684) 53

Warnock, D.G. and Yee, V.J.

Sodium uptake mechanisms in brush-border membrane vesicles prepared from rabbit renal cortex (684) 137

Wheeler, K.P., see Al-Saleh, E.A. (684) 157

Wimalasena, J., see Kitabchi, A.E. (684) 200

Wright, E.M., see Wright, S.H. (684) 287

Wright, S.H., Kippen, I. and Wright, E.M.

Effect of pH on the transport of Krebs cycle intermediates in renal brush border membranes (684) 287

Yang, C.S., see Baskin, L.S. (684) 263

Yeagle, P.L., see Ferguson, K.A. (684) 179

Yee, V.J., see Warnock, D.G. (684) 137

Zingsheim, H.P., see Neugebauer, D.-C. (684) 272