

AUTHOR INDEX

- Adragna, N., see Beaugé, L. A. (352) 441
- Agin, P. P., see Phillips, D. R. (352) 218
- Amar, A., Rottem, S. and Razin, S.
Characterization of the mycoplasma membrane proteins. IV. Disposition of proteins in the membrane (352) 228
- Ariel, M. and Grossowicz, N.
Enhancement of transport in *Micrococcus lysodeikticus* by sodium ions (352) 122
- Barcinski, M. A., see Oliveira-Castro, G. M. (352) 338
- Barton, P. G., see Chen, J. S. (352) 202
- Bauer, S., see Biely, P. (352) 268
- Beaugé, L. A. and Adragna, N.
pH dependence of rubidium influx in human erythrocytes (352) 441
- Beer, C. T., see Mastro, A. M. (352) 38
- Biely, P., Krátký, Z. and Bauer, S.
Metabolism of 2-deoxy-D-glucose by baker's yeast. VI. A study on cell wall mannan (352) 268
- Billecoq, A.
Structure des membranes biologiques: Localisation des galactosyldiglycérides dans les chloroplastes au moyen des anticorps spécifiques. II. Etude en microscopie électronique à l'aide d'un marquage à la peroxydase (352) 245
- Bleau, G., Bodley, F. H., Longpré, J., Chapdelaine, A. and Roberts, K. D.
Cholesterol sulfate: I. Occurrence and biological function as an amphipathic lipid in the membrane of the human erythrocyte (352) 1
- Bodley, F. H., see Bleau, G. (352) 1
- Brdiczka, D., see Di Pauli, G. (352) 252
- Brown, D., see Chen, J. S. (352) 202
- Buhler, D. R., see Miller, T. L. (352) 86
- Chapdelaine, A., see Bleau, G. (352) 1
- Chen, J. S., Barton, P. G., Brown, D. and Kates, M.
Osmometric and microscopic studies on bilayers of polar lipids from the extreme halophile *Halobacterium cutirubrum* (352) 202
- De Robertis, E., see Reader, T. A. (352) 192
- Di Pauli, G. and Brdiczka, D.
Localization of glycoproteins within erythrocyte membranes of sheep. A freeze-etching and biochemical study (352) 252
- Dunn, M. J.
Red blood cell calcium and magnesium: Effects upon sodium and potassium transport and cellular morphology (352) 97
- Dunn, M. J. and Grant, R.
The influence of the extracellular counterion on the sodium-dependent, ouabain-uninhibited sodium efflux from human erythrocytes (352) 117
- Erdmann, E., see Kaniike, K. (352) 275
- Estes, L. W., see Misra, D. N. (352) 455
- Fukushima, K. H.
Studies on the egg-membrane lysin of *Tegula pfeifferi*: The reaction mechanism of the egg-membrane lysin (352) 179
- Gershfeld, N. L., see Razin, S. (352) 385
- Gershfeld, N. L., Wormser, M. and Razin, S.
Cholesterol in mycoplasma membranes. I. Kinetics and equilibrium studies of cholesterol uptake by the cell membrane of *Acholeplasma laidlawii* (352) 371
- Gershon, E., see Honegger, P. (352) 127
- Gill, T. J., see Misra, D. N. (352) 455
- Grant, R., see Dunn, M. J. (352) 117
- Grossowicz, N., see Ariel, M. (352) 122
- Heinz, E., see Pietrzyk, C. (352) 397
- Hjertén, S., see Liljas, L. (352) 327
- Hladky, S. B.
The energy barriers to ion transport by non-actin across thin lipid membranes (352) 71
- Honegger, P. and Gershon, E.
Further evidence for the multiplicity of carriers for free glucalogues in hamster small intestine (352) 127
- Huang, A., see Huang, L. (352) 361
- Huang, L. and Huang, A.
Regulation of membrane lipid fluidity in *Acholeplasma laidlawii*: Effect of carotenoid pigment content (352) 361
- Imai, M. and Inoue, K.
The mechanism of the action of prymnesium toxin on membranes (352) 344
- Inoue, K., see Imai, M. (352) 344
- Ito, T. and Ohnishi, S.
Calcium-induced lateral phase separations in phosphatidic acid-phosphatidylcholine membranes (352) 29
- Jain, M. K., see Sullivan, K. H. (352) 287
- Kaniike, K., Erdmann, E. and Schoner, W.
Study on the differential modifications of $(Na^+ + K^+)$ -ATPase and its partial re-

- actions by dimethylsulfoxide (352) 275
- Kates, M., see Chen, J. S. (352) 202
- Koch, A. L., see Sullivan, K. H. (352) 287
- Krátký, Z., see Biely, P. (352) 268
- Kwock, L. and Wallach, D. F. H.
The effect of ionizing radiation on amino acid transport systems in thymocytes (352) 135
- Ledeboer, A. M., see Van Steveninck, J. (352) 64
- Liljas, L., Lundahl, P. and Hjertén, S.
Selective solubilization with Tween 20 of proteins from water-extracted human erythrocyte membranes. Analysis by gel electrophoresis in dodecylsulfate and in Tween 20 (352) 327
- Lindemann, B., see Zeiske, W. (352) 323
- Longpré, J., see Bleau, G. (352) 1
- Lundahl, P., see Liljas, L. (352) 327
- Lyon, I.
 Cu^{2+} and permeability of isolated frog skin (352) 349
- Mastro, A. M., Beer, C. T. and Mueller, G. C.
Iodination of plasma membrane proteins of BHK cells in different growth states (352) 38
- Mendelson, N. H., see Reeve, J. N. (352) 298
- Miller, T. L. and Buhler, D. R.
Effect of hexachlorophene on monovalent cation transport in human erythrocytes: A mechanism for hexachlorophene-induced hemolysis (352) 86
- Misra, D. N., Gill, T. J. and Estes, L. W.
Lymphocyte plasma membranes. II. Cytochemical localization of 5'-nucleotidase in rat lymphocyte (352) 455
- Mueller, G. C., see Mastro, A. M. (352) 38
- Naftalin, R. J., Seeman, P., Simmons, N. L. and Symons, M. C. R.
A sugar-dependent increase in red cell stability (352) 146
- Naftalin, R. J. and Symons, M. C. R.
The mechanism of sugar-dependent stabilization of gelatin gels (352) 173
- Ohnishi, S., see Ito, T. (352) 29
- Oliveira-Castro, G. M. and Barcinski, M. A.
Calcium-induced uncoupling in communicating human lymphocytes (352) 338
- Packer, L., see Takaoki, T. (352) 260
- Papahadjopoulos, D., Poste, G., Schaeffer, B. E. and Vail, W. J.
Membrane fusion and molecular segregation in phospholipid vesicles (352) 10
- Phillips, D. R. and Agin, P. P.
Thrombin substrates and the proteolytic site of thrombin action on human platelet plasma membranes (352) 218
- Pietrzyk, C. and Heinz, E.
The sequestration of Na^+ , K^+ and Cl^- in the cellular nucleus and its energetic consequences for the gradient hypothesis of amino acid transport in Ehrlich cells (352) 397
- Ponter, A. R. S.
A sugar-dependent increase in red cell stability (Appendix) (32) 168
- Poste, G., see Papahadjopoulos, D. (352) 10
- Razin, S., see Gershfeld, N. L. (352) 371
- Razin, S., see Amar, A. (352) 228
- Razin, S., Wormser, M. and Gershfeld, N. L.
Cholesterol in mycoplasma membranes. II. Components of *Acholeplasma laidlawii* cell membranes responsible for cholesterol binding (352) 385
- Reader, T. A. and De Robertis, E.
The response of artificial lipid membranes containing a cholinergic hydrophobic protein from *Electrophorus electrophorus* (352) 192
- Reeve, J. N. and Mendelson, N. H.
Minicells of *Bacillus subtilis*: A unique system for transport studies (352) 298
- Roberts, K. D., see Bleau, G. (352) 1
- Rottem, S., see Amar, A. (352) 228
- Schaeffer, B. E., see Papahadjopoulos, D. (352) 10
- Schoner, W., see Kaniike, K. (352) 275
- Schultz, J. S., see Suchdeo, S. R. (352) 412
- Seeman, P., see Naftalin, R. J. (352) 146
- Simmons, N. L., see Naftalin, R. J. (352) 146
- Suchdeo, S. R. and Schultz, J. S.
Mass transfer of carbon dioxide across membranes: Facilitation in the presence of bicarbonate ion and the enzyme carbonic anhydrase (352) 412
- Sullivan, K. H., Jain, M. K. and Koch, A. L.
Activation of the β -galactoside transport system in *Escherichia coli* ML-308 by *N*-alkanols: Modification of lipid-protein interaction by a change in bilayer fluidity (352) 287
- Symons, M. C. R., see Naftalin, R. J. (352) 146
- Symons, M. C. R., see Naftalin, R. J. (352) 173
- Takaoki, T., Torres-Pereira, J. and Packer, L.
Factors affecting the stability of chloroplast membranes in vitro (352) 260
- Torres-Pereira, J., see Takaoki, T. (352) 260
- Tsuboi, K. K.
Regulation of erythrocyte glycolysis. Membrane-mediated activation induced in low-electrolyte medium (352) 307
- Vail, W. J., see Papahadjopoulos, D. (352) 10
- Van Steveninck, J. and Ledebor, A. M.
Phase transitions in the yeast cell membrane:

- The influence of temperature on the re-constitution of active dry yeast (352) 64
- Wallach, D. F. H., see Kwock, L. (352) 135
- Wong, N. and Zull, J. E.
Structural studies of a mitochondria-free plasma membrane fraction from rat liver (352) 52
- Wormser, M., see Gershfeld, N. L. (352) 371
- Wormser, M., see Razin, S. (352) 385
- Zeiske, W. and Lindemann, B.
Chemical stimulation of Na^+ current through the outer surface of frog skin epithelium (352) 323
- Zull, J. E., see Wong, N. (352) 52