

AUTHOR INDEX

- Allan, D. and Crumpton, M. J.
Isolation and composition of human thymocyte plasma membrane (274) 22
- Andria, G., see Auricchio, S. (274) 420
- Auricchio, S., Pierro, M., Andria, G. and de Ritis, G.
Enzymic activities of the brush border membrane of rat intestine hydrolyzing β -naphthylamides of amino acids, leucinamide and dipeptides (274) 420
- Barker, J. L. and Levitan, H.
The antagonism between salicylate-induced and pH-induced changes in the membrane conductance of molluscan neurons (274) 638
- Barlow, V., see Mirsky, R. (274) 556
- Becker, J.-U. and Betz, A.
Membrane transport as controlling pace-maker of glycolysis in *Saccharomyces carlsbergensis* (274) 584
- Betz, A., see Becker, J.-U. (274) 584
- Bingham, R. W. and Burke, D. C.
Isolation of plasma membrane and endoplasmic reticulum fragments from chick embryo fibroblasts (274) 348
- Bonting, S. L., see de Pont, J. J. H. H. M. (274) 189
- Bonting, S. L., see Rutten, W. J. (274) 201
- Bragg, P. D. and Hou, C.
Organization of proteins in the native and reformed outer membrane of *Escherichia coli* (274) 478
- Brinkmann, A. O. and van der Molen, H. J.
Localization and characterization of steroid binding sites of human red blood cells (274) 370
- Brown, J. E., see Holt, C. E. (274) 140
- Bruni, A., see Pitotti, A. (274) 528
- Bulkin, B. J.
Raman spectroscopic study of human erythrocyte membranes (274) 649
- Burke, D. C., see Bingham, R. W. (274) 348
- Capaldi, R., see Vanderkooi, G. (274) 38
- Chevallier, F. et Lutton, Cl.
Mouvements des stérols dans le tube digestif du rat. Absorption du cholestérol de synthèse (274) 382
- Chelack, W. S., Petkau, A. and Copps, T. P.
Permeability of a model lipid membrane to T_4 (274) 28
- Cho, H. W. and Morowitz, H. J.
Characterization of the plasma membrane of *Mycoplasma laidlawii*. VIII. Effect of temperature shift and antimetabolites on K^+ transport (274) 105
- Cirne, B. and Malnic, G.
Action of mineralocorticoid and sex steroids on sodium transport in toad skin (274) 171
- Colbeau, A., see Nachbaur, J. (274) 426
- Contessa, A. R., see Pitotti, A. (274) 528
- Copps, T. P., see Chelack, W. S. (274) 28
- Crofts, A. R., see Deamer, D. W. (274) 323
- Crumpton, M. J., see Allan, D. (274) 22
- Dabbeni-Sala, F., see Pitotti, A. (274) 528
- Dallner, G., see Svensson, H. (274) 447
- Daniel, E. E., see Rangachari, P. K. (274) 462
- Deamer, D. W., Prince, R. C. and Crofts, A. R.
The response of fluorescent amines to pH gradients across liposome membranes (274) 323
- de Pont, J. J. H. H. M., Hansen, T. and Bonting, S. L.
An anion-sensitive ATPase in lizard gastric mucosa (274) 189
- de Pont, J. J. H. H. M., see Rutten, W. J. (274) 201
- de Ritis, G., see Auricchio, S. (274) 420
- De Robertis, E., see Fiszer de Plazas, S. (274) 258
- Deshusses, J. and Reber, G.
myo-Inositol transport in *Aerobacter aerogenes* (274) 598
- Drabikowski, W., Sarzała, M. G., Wroniszewska, A., Łagwińska, E. and Drzewiecka, B.
Role of cholesterol in the Ca^{2+} uptake and ATPase activity of fragmented sarcoplasmic reticulum (274) 158
- Drzewiecka, B., see Drabikowski, W. (274) 158
- Duranton, J., see Duval, D. (274) 240
- Duval, D. and Duranton, J.
On a non-chlorophyllic magnesium fraction bound to plastidial lamellar proteins from *Zea mays* L. (274) 240
- Ehnholm, C. and Zilversmit, D. B.
Use of Forssman antigen in the study of phosphatidylcholine exchange between liposomes (274) 652
- Epstein, R. W.
The binding of ethacrynic acid to rabbit kidney cortex (274) 119
- Epstein, R. W.
The effects of ethacrynic acid on active transport of sugars and ions and on other metabolic processes in rabbit kidney cortex (274) 128
- Ernster, L., see Svensson, H. (274) 447
- Fiszer de Plazas, S. and De Robertis, E.
Binding of α -bungarotoxin to the cholinergic receptor proteolipid from *Electrophorus electrophorus* (274) 258
- Friedmann, N.
Effects of glucagon and cyclic AMP on ion fluxes in the perfused liver (274) 214
- Fromherz, P., Peters, J., Müldner, H. G. and Otting, W.
An infrared spectroscopic study on the lipid-

- protein interaction in an artificial lamellar system (274) 644
- Fujita, M., Ohta, H., Kawai, K., Matsui, H. and Nakao, M.
Differential isolation of microvillous and basolateral plasma membranes from intestinal mucosa: mutually exclusive distribution of digestive enzymes and ouabain-sensitive ATPase (274) 336
- Ghosh, D., see Tinoco, J. (274) 279
- Gilliam, J. M. and Morowitz, H. J.
Characterization of the plasma membrane of *Mycoplasma laidlawii*. IX. Isolation and characterization of the membrane polyhexosamine (274) 353
- Godschalk, W., see Redwood, W. R. (274) 515
- Graham, D. E. and Lea, E. J. A.
The effect of surface charge on the water permeability of phospholipids bilayers (274) 286
- Gulik-Krzywicki, T., see Shechter, E. (274) 466
- Hansen, T., see de Pont, J. J. H. M. (274) 189
- Hayashi, H., see Vanderkooi, G. (274) 38
- Haydon, D. A., see Hladky, S. B. (274) 294
- Haydon, D. A., see Myers, V. B. (274) 313
- Henderson, R., see Tobin, T. (274) 551
- Hladky, S. B. and Haydon, D. A.
Ion transport across lipid membranes in the presence of gramicidin A. I. Studies of the unit conductance channel (274) 294
- Holt, C. E. and Brown, J. E.
Ion fluxes in photoreception in *Limulus* ventral eye. I. The response of potassium efflux to light (274) 140
- Hou, C., see Bragg, P. D. (274) 478
- Huang, C. M. and Keenan, T. W.
Preparation and properties of 5'-nucleotidases from bovine milk fat globule membranes (274) 246
- Iida, S., see Taniguchi, K. (274) 536
- Inbar, M., see Vlodavsky, I. (274) 364
- Jones, R. E.
Intestinal absorption and gastro-intestinal digestion of protein in the young rat during the normal and cortisone-induced post-closure period (274) 412
- Kaback, H. R., see Shechter, E. (274) 466
- Kamp, H. H., see Wirtz, K. W. A. (274) 606
- Kawai, K., see Fujita, M. (274) 336
- Keith, A., see Kroes, J. (274) 71
- Keith, A. D., see Tinoco, J. (274) 279
- Keenan, T. W., see Huang, C. M. (274) 246
- Kleinig, H.
Membranes from *Myxococcus fulvus* (Myxobacterales) containing carotenoid glucosides. I. Isolation and composition (274) 489
- Kleinzeller, A., see Rorive, G. (274) 226
- Krawitt, E. L.
The role of intestinal transport proteins in cortisone-mediated suppression of calcium absorption (274) 179
- Kroes, J., Ostwald, R. and Keith, A.
Erythrocyte membranes-compression of lipid phase by increased cholesterol content (274) 71
- Łagwińska, E., see Drabikowski, W. (274) 158
- Lauter, C. J., see Solyom, A. (274) 631
- Lea, E. J. A., see Graham, D. E. (274) 286
- Levitan, H., see Barker, J. L. (274) 638
- Livne, A., see Raz, A. (274) 269
- Lutton, Cl., see Chevallier, F. (274) 382
- Malnic, G., see Cirne, B. (274) 171
- Maruyama, H. B.
Agglutination of bacterial spheroplasts. I. Effect of concanavalin A (274) 499
- Matsui, H., see Fujita, M. (274) 336
- Mirsky, R. and Barlow, V.
Alternative purification of the membrane-bound ATPase from *Bacillus megaterium* KM, and some properties (274) 556
- Morowitz, H. J., see Cho, H. W. (274) 105
- Morowitz, H. J., see Gilliam, J. M. (274) 353
- Morrison, M., see Singer, J. A. (274) 64
- Müldner, H. G., see Fromherz, P. (274) 644
- Myers, V. B. and Haydon, D. A.
Ion transfer across lipid membranes in the presence of gramicidin A. II. The ion selectivity (274) 313
- Nachbar, M. S., Winkler, W. J. and Salton, M. R. J.
The effect of aliphatic alcohols upon the dissociation of *Micrococcus lysodeikticus* (274) 83
- Nachbaur, J., Colbeau, A. and Vignais, P. M.
Distribution of membrane-confined phospholipases A in the rat hepatocyte (274) 426
- Nakao, M., see Fujita, M. (274) 336
- Ohki, S., see Seimiya, T. (274) 15
- Ohta, H., see Fujita, M. (274) 336
- Onodera, K., see Sheinin, R. (274) 49
- Ostwald, R., see Kroes, J. (274) 71
- Otting, W., see Fromherz, P. (274) 644
- Paton, D. M., see Rangachari, P. K. (274) 462
- Peters, J., see Fromherz, P. (274) 644
- Petkau, A., see Chelack, W. S. (274) 28
- Pierro, M., see Auricchio, S. (274) 420
- Pisetsky, D. and Terry, T. M.
Are *Mycoplasma* membrane proteins affected by variations in membrane fatty acid composition? (274) 95
- Pitotti, A., Contessa, A. R., Dabbeni-Sala, F. and Bruni, A.
Activation by phospholipids of particulate mitochondrial ATPase from rat liver (274) 528
- Poznansky, M. and Solomon, A. K.
Effect of cell volume on potassium transport in human red cells (274) 111
- Prince, R. C., see Deamer, D. W. (274) 323
- Rangachari, P. K., Paton, D. M. and Daniel, E. E.
Potassium:ATP ratios in smooth muscle (274) 462
- Raz, A., Schutt, A. and Livne, A.
The interaction of hashish components with human erythrocytes (274) 269
- Reber, G., see Deshusses, J. (274) 598
- Redwood, W. R. and Godschalk, W.
Polarographic studies on a soluble mem-

- brane-ATPase and aqueous dispersions of phospholipids (274) 515
- Robinson, J. D.
Differential modification of the ($\text{Na}^+ + \text{K}^+$)-dependent ATPase by dimethylsulfoxide (274) 542
- Rorive, G. and Kleinzeller, A.
The effect of ATP and Ca^{2+} on the cell volume in isolated kidney tubules (274) 226
- Rutten, W. J., de Pont, J. J. H. H. M. and Bonting, S. L.
Adenylate cyclase in the rat pancreas: Properties and stimulation by hormones (274) 201
- Sachs, I., see Vlodavsky, I. (274) 364
- Salton, M. R. J., see Nachbar, M. S. (274) 83
- Sarzała, M. G., see Drabikowski, W. (274) 158
- Schurr, A., see Raz, A. (274) 269
- Seimiya, T. and Ohki, S.
Adsorption and desorption studies of phospholipid at the air-water interface (274) 15
- Sen, A. K., see Tobin, T. (274) 551
- Senior, A. E., see Vanderkooi, G. (274) 38
- Shechter, E., Gulik-Krzywicki, T. and Kaback, H. R.
Correlations between fluorescence, X-ray diffraction, and physiological properties in cytoplasmic membrane vesicles isolated from *Escherichia coli* (274) 466
- Sheinin, R. and Onodera, K.
Studies of the plasma membrane of normal and virus-transformed 3T3 mouse cells (274) 49
- Singer, J. A. and Morrison, M.
Circular dichroism of human erythrocyte membranes solubilized by n-pentanol (274) 64
- Simons, R.
The steady and non-steady state properties of bipolar membranes (274) 1
- Solomon, A. K., see Poznansky, M. (274) 111
- Solyom, A., Lauter, C. J. and Trams, E. G.
Plasma membranes from isolated liver cells (274) 631
- Svensson, H., Dallner, G. and Ernster, L.
Investigation of specificity in membrane breakage occurring during sonication of rough microsomal membranes (274) 447
- Taniguchi, K. and Iida, S.
The effect of phospholipids on the apparent activation energy of ($\text{Na}^+ - \text{K}^+$)-ATPase (274) 536
- Terry, T. M., see Pisetsky, D. (274) 95
- Tinoco, J., Ghosh, D. and Keith, A. D.
Interactions of spin-labeled lipid molecules with natural lipids in monolayers at the air-water interface (274) 279
- Tobin, T., Henderson, R. and Sen, A. K.
Species and tissue differences in the rate of dissociation of ouabain from ($\text{Na}^+ + \text{K}^+$)-ATPase (274) 551
- Trams, E. G., see Solyom, A. (274) 631
- Tredgold, R. H.
The role of space charge in the transport of ions through membranes (274) 563
- Tyankova, L.
The effect of amino acids on thylakoid membranes during freezing as influenced by side chain and position of the amino group (274) 75
- van Deenen, L. L. M., see Wirtz, K. W. A. (274) 606
- Vanderkooi, G., Senior, A. E., Capaldi, R. and Hayashi, H.
Biological membrane structure. III. The lattice structure of membranous cytochrome oxidase (274) 38
- van der Molen, H. J., see Brinkmann, A. O. (274) 370
- van Steveninck, J.
Transport and transport-associated phosphorylation of galactose in *Saccharomyces cerevisiae* (274) 575
- Vignais, P. M., see Nachbar, J. (274) 426
- Vlodavsky, I., Inbar, M. and Sachs, I.
Temperature-sensitive agglutinability of human erythrocytes by lectins (274) 364
- Vredenberg, W. J.
A method for measuring the kinetics of energy-dependent changes in the electrical membrane resistance of metabolizing plant cells (274) 504
- Winkler, W. J., see Nachbar, M. S. (274) 83
- Wirtz, K. W. A., Kamp, H. H. and van Deenen, L. L. M.
Isolation of a protein from beef liver which specifically stimulates the exchange of phosphatidylcholine (274) 606
- Woodward, C. B. and Zwaal, R. F. A.
The lytic behavior of pure phospholipases A_2 and C towards osmotically swollen erythrocytes and resealed ghosts (274) 272
- Wroniszewska, A., see Drabikowski, W. (274) 158
- Zilversmit, D. B., see Ehnholm, C. (274) 652
- Zwaal, R. F. A., see Woodward, C. B. (274) 272