

AUTHOR INDEX

- Anderson, E. I., Fischbarg, J. and Spector, A.
Fluid transport, ATP level and ATPase activities in isolated rabbit corneal endothelium (307) 557
- Asano, S., see Fujita, M. (307) 141
- Assa, Y., Shany, S., Gestetner, B., Tencer, Y., Birk, Y. and Bondi, A.
Interaction of alfalfa saponins with components of the erythrocyte membrane in hemolysis (307) 83
- Azoulay, E., see Giordano, G. (307) 513
- Azoulay, E., see Mutaftschiev, S. (307) 525
- Bangham, A. D., see Gacesa, P. (307) 467
- Bangham, A. D., see Johnson, S. M. (307) 42
- Baran, D. T., Peck, W. A., Frengley, P. A. and Lichtman, M. A.
Cortisol-induced inhibition of amino acid transport in thymic lymphocytes: Kinetic parameters; relation to ATP levels and protein synthesis; and specificity (307) 627
- Beesley, R. C. and Forte, J. G.
Glycoproteins of oxymyonic cell microsomes. I. Carbohydrate composition, analytical and preparative fractionation (307) 372
- Benard-Bentaboulet, M. and Kepes, A.
Energy-dependent masking of substrate binding sites of the lactose permease of *Escherichia coli* (307) 197
- Birk, Y., see Assa, Y. (307) 83
- Bondi, A., see Assa, Y. (307) 83
- Bunch, J. M., see Holden, J. T. (307) 640
- Buttress, N., see Johnson, S. M. (307) 20
- Cadenhead, D. A. and Müller-Landau, F.
Pure and mixed monomolecular films of 12-nitrooxide stearate (307) 279
- Candia, O. A. and Chiarandini, J.
Transport of lithium and rectification by frog skin (307) 578
- Carraway, K. L., see Kobylka, D. (307) 133
- Carreira, J., Leal, J. A., Rojas, M. and Munoz, E.
Membrane ATPase of *Escherichia coli* K12. Selective solubilization of the enzyme and its stimulation by trypsin in the soluble and membrane-bound states (307) 541
- Caspary, W. F., see Malathi, P. (307) 613
- Chiarandini, J., see Candia, O. A. (307) 578
- Chipperfield, A. R., see Whittam, R. (307) 563
- Chiu, J., see Wildes, R. A. (307) 162
- Christiansen, E. N., see Serck-Hanssen, G. (307) 404
- Christiansen, P. A., see Reiser, S. (307) 212
- Christiansen, P. A., see Reiser, S. (307) 223
- Chudapongse, P. and Haugaard, N.
The effect of phosphoenolpyruvate on calcium transport by mitochondria (307) 599
- Colley, C. M., Zwaal, R. F. A., Roelofsen, B. and van Deenen, L. L. M.
Lytic and non-lytic degradation of phospholipids in mammalian erythrocytes by pure phospholipases (307) 74
- Crane, R. K., see Malathi, P. (307) 613
- Dambach, G., see Friedmann, N. (307) 399
- De Kruyff, B., Demel, R. A., Slotboom, A. J., van Deenen, L. L. M. and Rosenthal, A. F.
The effect of the polar headgroup on the lipid-cholesterol interaction. A monolayer and differential scanning calorimetry study (307) 1
- Demel, R. A., see De Kruyff, B. (307) 1
- Edwards, P. A. W.
The inactivation by fluorodinitrobenzene of glucose transport across the human erythrocyte membrane. The effect of glucose inside or outside the cell (307) 415
- Erdmann, E. and Schoner, W.
Ouabain-receptor interactions in $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ preparations from different tissues and species. Determination of kinetic constants and dissociation constants (307) 386
- Evans, H. J., see Wildes, R. A. (307) 162
- Faucon, J. F. and Lussan, C.
Aliphatic chain transitions of phospholipid vesicles and phospholipid dispersions determined by polarization of fluorescence (307) 459
- Fischbarg, J., see Anderson, E. I. (307) 557
- Forte, J. G., see Beesley, R. C. (307) 372
- Forte, J. G., see Ganser, A. L. (307) 169
- Frengley, P. A., see Baran, D. T. (307) 627
- Friedmann, N. and Dambach, G.
Effects of glucagon, 3',5'-AMP and 3',5'-GMP on ion fluxes and transmembrane potential in perfused livers of normal and adrenalectomized rats (307) 399
- Fujita, M., Kawai, K., Asano, S. and Nakao, M.
Protein components of two different regions of an intestinal epithelial cell membrane (307) 141
- Fukui, S., see Sekizawa, J. (307) 104
- Gacesa, P., Hill, M. W. and Bangham, A. D.
Tetrodotoxin-cholesterol interactions at the air-water interface (307) 467
- Ganser, A. L. and Forte, J. G.

- K⁺-stimulated ATPase in purified microsomes of bullfrog oxyntic cells (307) 169
- Gestetner, B., see Assa, Y. (307) 83
- Giordano, G., Rivière, C. and Azoulay, E.
Membrane reconstitution in chl-r mutants of *Escherichia coli* K 12. V. ATPase incorporation in particles formed by complementation (307) 513
- Goldman, R., see Hexter, C. S. (307) 421
- Gottlieb, A. M., Inglefield, P. T. and Lange, Y.
Water-lecithin binding in lecithin-water lamellar phases at 20 °C (307) 444
- Haugaard, N., see Chudapongse, P. (307) 599
- Haydon, D. A. and Myers, V. B.
Surface charge, surface dipoles and membrane conductance (307) 429
- Hegner, D., Schummer, U. and Schnepel, G. H.
The effect of calcium on temperature-induced phase changes in liquid-crystalline cardiolipin structure (307) 452
- Helenius, A. and Söderlund, H.
Stepwise dissociation of the Semliki Forest virus membrane with Triton X-100 (307) 287
- Herzberg, G. R. and Lerner, J.
Intestinal absorption of choline in the chick (307) 234
- Hexter, C. S. and Goldman, R.
Interaction of D-β-hydroxybutyrate dehydrogenase with lecithin vesicles (307) 421
- Hill, M. W., see Gacesa, P. (307) 467
- Hladky, S. B.
The effect of stirring on the flux of carriers into black lipid membranes (307) 261
- Holden, J. T. and Bunch, J. M.
Asparagine transport in *Lactobacillus plantarum* and *Streptococcus faecalis* (307) 640
- Huang, J. W. and Kaplan, S.
Membrane proteins of *Rhodopseudomonas spheroides*. III. Isolation, purification and characterization of cell envelope proteins (307) 301
- Huang, J. W. and Kaplan, S.
Membrane proteins of *Rhodopseudomonas spheroides*. IV. Characterization of chromatophore proteins (307) 317
- Huang, J. W. and Kaplan, S.
Membrane proteins of *Rhodopseudomonas spheroides*. V. Additional chemical characterization of a pigment-lipid-associated protein isolated from chromatophores (307) 332
- Inglefield, P. T., see Gottlieb, A. M. (307) 444
- Inoue, I., Kobatake, Y. and Tasaki, I.
Excitability, instability and phase transitions in squid axon membrane under internal perfusion with dilute salt solutions (307) 471
- Ito, Y., see Nozawa, Y. (307) 92
- Johnson, S. M.
The effect of charge and cholesterol on the size and thickness of sonicated phospholipid vesicles (307) 27
- Johnson, S. M. and Buttress, N.
The osmotic insensitivity of sonicated liposomes and the density of phospholipid cholesterol mixtures (307) 20
- Johnson, S. M., Miller, K. W. and Bangham, A. D.
The opposing effects of pressure and general anaesthetics on the cation permeability of liposomes of varying lipid composition (307) 42
- Kaplan, S., see Huang, J. W. (307) 301
- Kaplan, S., see Huang, J. W. (307) 317
- Kaplan, S., see Huang, J. W. (307) 332
- Kawai, K., see Fujita, M. (307) 141
- Kay, W. W., see Wolfenbarger, Jr., L. (307) 243
- Kepes, A., see Benard-Bentabollet, M. (307) 197
- Kitajima, Y., see Nozawa, Y. (307) 92
- Knüfermann, H., see Schmidt-Ullrich, R. (307) 353
- Kobatake, Y., see Inoue, I. (307) 471
- Kobylka, D. and Carraway, K. L.
Proteolytic digestion of proteins of the milk fat globule membrane (307) 133
- Lacave, C. and Panos, C.
A lipoprotein from the membranes of *Streptococcus pyogenes* and its stabilized L-form (307) 118
- Lange, Y., see Gottlieb, A. M. (307) 444
- Leal, J. A., see Carreira, J. (307) 541
- Lerner, J., see Herzberg, G. R. (307) 234
- Lichtman, M. A., see Baran, D. T. (307) 627
- Lo, C.-H., and Ma, T.
The plasma membranes of bovine taste papillae. Polyacrylamide gel electrophoresis of circumvallate membrane proteins (307) 343
- London, Y. and Vossenberg, F. G. A.
Specific interaction of central nervous system myelin basic protein with lipids. Specific regions of the protein sequence protected from the proteolytic action of trypsin (307) 478
- Lussan, C., see Faucon, J. F. (307) 459
- Lusted, D.
Rheologic hysteresis curve shape specificity of mixed lipid films (307) 270
- Ma, T., see Lo, C.-H. (307) 343
- Malathi, P., Ramaswamy, K., Caspary, W. F. and Crane, R. K.
Studies on the transport of glucose from disaccharides by hamster small intestine in

- vitro. I. Evidence for a disaccharidase-related transport system (307) 613
- Miller, K. W., see Johnson, S. M. (307) 42
- Morgan, H. E., see Whitfield, C. F. (307) 181
- Müller-Landau, F., see Cadenhead, D. A. (307) 279
- Munoz, E., see Carreira, J. (307) 541
- Mutaftschiev, S. and Azoulay, E.
Membrane reconstruction in chl-r mutants of *Escherichia coli* K 12. VI. Morphological study of membrane assembly during complementation between extracts of chl-r mutants (307) 525
- Myers, V. B., see Haydon, D. A. (307) 429
- Nakao, M., see Fujita, M. (307) 141
- Nozawa, Y., Kitajima, Y. and Ito, Y.
Chemical and ultrastructural studies of isolated cell walls of *Epidermophyton floccosum*. Presence of chitin inferred from X-ray diffraction analysis and electron microscopy (307) 92
- Overath, P., see Träuble, H. (307) 491
- Panos, C., see Lacave, C. (307) 118
- Peck, W. A., see Baran, D. T. (307) 627
- Ramaswamy, K., see Malathi, P. (307) 613
- Reiser, S. and Christiansen, P. A.
The properties of Na⁺-dependent and Na⁺-independent lysine uptake by isolated intestinal epithelial cells (307) 212
- Reiser, S. and Christiansen, P. A.
Exchange transport and amino acid charge as the basis for Na⁺-independent lysine uptake by isolated intestinal epithelial cells (307) 223
- Rivière, C., see Giordano, G. (307) 513
- Røelofsen, B., see Colley, C. M. (307) 74
- Rojas, M., see Carreira, J. (307) 541
- Rosenthal, A. F., see de Kruffy, B. (307) 1
- Schiechl, H.
Investigation of HCl-extraction of human erythrocyte membranes (307) 65
- Schmidt-Ullrich, R., Knüfermann, H. and Wallach, D. F. H.
The reaction of 1-dimethylaminonaphthalene-5-sulfonyl chloride (DANSCL) with erythrocyte membranes. A new look at "vectorial" membrane probes (307) 353
- Schnepel, G. H., see Hegner, D. (307) 452
- Schoner, W., see Erdmann, E. (307) 386
- Schulz, I., see Wizemann, V. (307) 366
- Schummer, U., see Hegner, D. (307) 452
- Sekizawa, J. and Fukui, S.
Isolation, solubilization and reaggregation of outer membrane of *Escherichia coli* (307) 104
- Serck-Hanssen, G. and Christiansen, E. N.
Uptake of calcium in chromaffin granules of bovine adrenal medulla stimulated in vitro (307) 404
- Shany, S., see Assa, Y. (307) 83
- Simon, B., see Wizemann, V. (307) 366
- Slotboom, A. J., see de Kruffy, B. (307) 1
- Smith, B. S. W. and Wright, H.
Studies on the uptake of radioactive copper by sheep erythrocytes in vitro (307) 590
- Söderlund, H., see Helenius, A. (307) 287
- Spector, A., see Anderson, E. I. (307) 557
- Tasaki, I., see Inoue, I. (307) 471
- Tencer, Y., see Assa, Y. (307) 83
- Toury, R.
Etude de la fixation de faible affinité du Ca²⁺ par les membranes externe et interne des mitochondries et par le réticulum endoplasmique lisse et rugueux de foie de rat (307) 607
- Träuble, H., and Overath, P.
The structure of *Escherichia coli* membranes studied by fluorescence measurements of lipid phase transitions (307) 491
- Vainio, H.
Action of chaotropic agents on drug metabolizing enzymes in hepatic microsomes (307) 152
- Van Deenen, L. L. M., see Colley, C. M. (307) 74
- Van Deenen, L. L. M., see De Kruffy, B. (307) 1
- Vossenbergh, F. G. A., see London, Y. (307) 478
- Wallach, D. F. H., see Schmidt-Ullrich, R. (307) 353
- Whitfield, C. F. and Morgan, H. E.
Effect of anoxia on sugar transport in avian erythrocytes (307) 181
- Whittam, R. and Chipperfield, A. R.
Ouabain binding to the sodium pump in plasma membranes isolated from ox brain (307) 563
- Wildes, R. A., Evans, H. J. and Chiu, J.
Effects of cations on the adenosine diphosphate-adenosine triphosphate exchange reaction catalyzed by rat brain microsomes (307) 162
- Williams, A. R.
The effect of bovine and human serum albumins on the mechanical properties of human erythrocyte membranes (307) 58
- Wizemann, V., Schulz, I. and Simon, B.
SH-groups on the surface of pancreas cells involved in secretin stimulation and glucose-mediated secretion (307) 366
- Wolfenbarger, Jr, L. and Kay, W. W.
Transport of C₁-carboxylic acids in *Neurospora crassa* (307) 243
- Wright, H., see Smith, B. S. W. (307) 590
- Zwaal, R. F. A., see Colley, C. M. (307) 74