## AUTHOR INDEX

Barnabei, O, see Rethy, A (290) 58 Bartlett, P, see Myers, C (290) 150 Baumann, K, see Bode F (290) 134 Bean, K E, see Cadenhead, D. A (290) 43 Bode, F, Baumann, K and Diedrich, D F. Inhibition of [3H]phlorizin binding to isolated kidney brush border membranes by phlorizin-like compounds (290) 134 Boggs, J. M and Hsia, J C Effect of cholesterol and water on the rigidity and order of phosphatidylcholine bilayers (290) 32 Borst-Pauwels, G. W F. H and Dobbelman, J The mechanism of inhibition of anaerobic phosphate uptake by fatty acids in yeast (290) 348 Boshell, B R, see Robinson, Jr, C A (290) 84 Bramley, T A and Coleman, R Effects of inclusion of Ca<sup>2+</sup>, Mg<sup>2+</sup>, EDTA or EGTA during the preparation of erythrocyte ghosts by hypotonic haemolysis (290) 219 Butterworth, P J., see Wass, M (290) 321 Cadenhead, D A and Bean, K E Selected lipid monolayers on aqueousglycerol and aqueous-urea substrates (290) 43 Cerbón, I NMR evidence for the hydrophobic interaction of local anaesthetics Possible relation to their potency (290) 51 Cohen, B E, see Hill, M W (290) 403 Kaplan, J H Coleman, R, see Bramley, T. A (290) 219 Cook, A. M and Fewson, C A Evidence for specific transport mechanisms for aromatic compounds in bacterium 339 N.C I B. 8250 (290) 384 DeBusk, A G., see Wolfinbarger, Jr, L (290) de Kruyff, D, see Norman, A W (290) 1 Demel, R A, see Norman, A W (290) 1 De Robertis, E, see Rivas, E (290) 419 Diedrich, D F, see Bode F (290) 134 Dobbelman, J, see Borst-Pauwels, GWF. H. (290) 348 Eletr, S and Inesi, G Phase changes in the lipid moieties of sarcoplasmic reticulum membranes induced by temperature and protein conformational changes (290) 178 Farmer, R E L and Macey, R. I Perturbation of red cell volume: Determination of membrane transport para-

meters for rapid penetrants (290) 290

Mechanism of acidification of the mucosal

Fewson, C A, see Cook, A M (290) 384

Finer, E G, see Phillips, M C (290) 397 Frazier, L W. and Vanatta, J C

```
fluid by the toad urinary bladder (290) 168
Frohnert, P. P., see Thomas, L., (290) 125
Gesser, H. D., see Hsia, J. C. (290) 22
Geurts van Kessel, W. S. M., see Norman,
    A. W (290) I
Giberman, E, see Pecht, M (290) 267
Gould, R M and London, Y.
   Specific interaction of central nervous sys-
   tem myelin basic protein with lipids
   Effects of basic protein on glucose leakage
   from liposomes (290) 200
Griffin, M J., see Tu, S (290) 92
Hauser, H, see Phillips, M C. (290) 397
Higuchi, W. I, see Surpuriya, V. (290) 375
Hill, M. W and Cohen, B E
   A simple method of determining relative
   permeabilities of liposomes to non-electrol-
   ytes (290) 403
Hook, J. B, see Kim, J K (290) 368
Hruska, F E, see Hsia, J C (290) 22
Hsia, J C., Long, R A, Hruska, F E. and
   Gesser, H D
   Steroid-phosphatidylcholine interactions in
   oriented multibilayers — A spin label study
Hsia, J C, see Boggs, J M (290) 32
Inesi, G, see Eletr, S (290) 178
Johnson, L D and Starcher, B. C
   Epithelial basement membranes. The isola-
   tion and identification of a soluble com-
   ponent (290) 158
   Anion diffusion across artificial lipid mem-
   branes. The effect of lysozyme on anion
   diffusion from phospholipid liposomes (290)
Katchalski, E, see Pecht, M (290) 267
Keysary, A., see Pecht, M (290) 267
Kim, J K. and Hook, J B
   On the mechanism of acetate enhancement
   of renal p-aminohippurate transport (290)
Kinne, R, see Thomas, L (290) 125
Lauf, P K, see Shrager, P (290) 186
Lew, V , see Rivas, E (290) 419
London, Y , see Gould, R M (290) 200
Long, R A, see Hsia, J C (290) 22
Macey, R. I, see Farmer, R E L (290) 290
Marinetti, G V., see Shlatz, L (290) 70
Matricardi, V R, see Parsons, D F. (290) 110
Mendelsohn, R,
   Laser-Raman spectroscopic study of egg
   lecithin and egg lecithin-cholesterol mix-
   tures (290) 15
Miller, L A
   Red cell hemolysis catalyzed by a factor
   from rabbit red cells I. Some general
```

properties of the hemolytic system (290) 229

390 AUTHOR INDEX

Mozhayeva, G N and Naumov, A P Tetraethylammonium ion inhibition of potassium conductance of the nodal membrane (290) 248

Myers, C and Bartlett, P

Separation of glomerular basement membrane substances by sodium dodecylsulfate disc gel electrophoresis and gel filtration (290) 150

Naumov, A.P., see Mozhayeva, G.N. (290) 248 Ng, M H, see Salton, M R J (290) 408 Nordquist, R E, see Tu, S (290) 92

Norman, A W, Demel, R A, de Kruyff, D, Geurts van Kessel, W S M and van Deenen, L L M

Studies on the biological properties of polyene antibiotics Comparison of other polyenes with filipin in their ability to interact specifically with sterol (290) i

Owen, J D and Solomon, A K

Control of nonelectrolyte permeability in

red cells (290) 414
Parsons, D F, Matricardi, V R, Subjeck, J, Uydess, I and Wray, G High-voltage electron microscopy of wet

whole cancer and normal cells. Visualization of cytoplasmic structures and surface projections (290) 110

Pecht, M, Giberman, E, Keysary, A, Yariv, J and Katchalski, E

Hydrolysis of alanine oligopeptides by an enzyme located in the membrane of Mycoplasma laidlawii (290) 267

Peter, H W, and Wolf, H U

Kinetics of (Na+, K+)-ATPase of human erythrocyte membranes I Activation by Na+ and K+ (290) 300

Phillips, M C, Finer, E G and Hauser, H Differences between conformations of lecithin and phosphatidylethanolamine polar groups and their effects on interactions of phospholipid bilayer membranes (290) 397 Post, L C

Bursicon Its effect on tyrosine permeation into insect haemocytes (290) 424

Robinson, Jr, C A, Boshell, B R and Reddy, W J

Insulin binding to plasma membranes (290)

Reddy, W J, see Robinson, Jr, C A (290) 84 Rethy, A, Tomasi, V, Trevisani, A and Barnabeı, O

The role of phosphatidylserine in the hormonal control of adenylated cyclase of rat liver plasma membranes (290) 58

Rivas, E, Lew, V and De Robertis, E [3H]Ouabain binding to a hydrophobic protein from electroplax membranes (290)

Salton, M R J, Schor, M T and Ng, H H

Internal localization of Micrococcus lysodeikticus membrane ATPase by iodination with 125I (290) 408

Schor, M T, see Salton, M R J (290) 408 Shlatz, L and Marinetti, G. V

Calcium binding to the rat liver plasma membrane (290) 70

Shrager, P, Tosteson, D C and Lauf, P K Biochemical characterization of a lipiddependent membrane protein antigen in HK sheep red cells (290) 186

Sjodin, R A, see Wu, S C (290) 327 Solomon, A K, see Owen, J D (290) 414 Starcher, B C, see Johnson, L D (290) 158 Subjeck, J, see Parsons, D F (290) 110 Superiya, V and Higuchi, W I

Two-step interfacial barrier mechanism for the transport of micelle-solubilized solute across an oil-water interface (290) 375

Thomas, L, Kinne, R and Frohnert, P P N-Ethylmaleimide labeling of a phlorizinsensitive p-glucose binding site of brush border membrane from the rat kidney (290) 125

Toması, V, see Rethy, A (290) 58 Tosteson, D C, see Shrager, P (290) 186 Trevisani, A, see Rethy, A (290) 58

Tu, S, Nordquist, R E and Griffin M J Membrane changes in HeLa cells with cortisol (290) 92

Uydess, I, see Parsons, D F (290) 110 Vanatta, J C, see Frazier L W. (290) 168 van Deenen, L L M, see Norman, A W (290) 1 Voříšek, J

The cooperative character of phenylalanine binding by a protein fraction isolated from baker's yeast membranes (290) 256

Wass, M and Butterworth, P J

The effect of calcium ions on the ATPase activity of pig kidney alkaline phosphatase

(290) 321 Wolf, H U and Peter, H W

Kinetics of (Na+,K+)-ATPase of human erythrocyte membranes II Inhibition by ouabain (290) 310

Wolf, H U, see Peter, H W (290) 300 Wolfinbarger, Jr, L and DeBusk, A G

The kinetics of L-aspartate transport in Neurospora crassa conidia (290) 355

Wray, G, see Parsons, D F (290) 110

Wu, H C

Isolation and characterization of an Escherichia coli mutant with alteration in the outer membrane proteins of the cell envelope (290) 274

Wu, S C and Stodin, R A The interactions of potassium, sodium and strophanthidin during active transport of sodium ions in frog muscle cells (290) 327 Yarıv, J , see Pecht, M (290) 267