

AUTHOR INDEX

- Albers, R.J., see Vitello, L. (557) 331
- Arias, I.M. and Kyte, J.
Examination of intramolecular heterogeneity of plasma membrane protein degradation in canine renal tubular epithelial cells and in rat liver (557) 170
- Bangerter, F.W., see Rando, R.R. (557) 354
- Beauregard, G. and Roufogalis, B.D.
Involvement of calcium ions in the properties of cardiolipin-associated erythrocyte acetylcholinesterase (557) 102
- Blume, A.
A comparative study of the phase transition of phospholipid bilayers and monolayers (557) 32
- Bonting, S.L., see Van Breugel, P.J.G.M. (557) 188
- Bovee-Geurts, P.H.M., see Van Breugel, P.J.G.M. (557) 188
- Brown, L.R.
Use of fully deuterated micelles for conformational studies of membrane proteins by high resolution ^1H nuclear magnetic resonance (557) 135
- Cahill, A.L., see Haynes, D.H. (557) 340
- Campbell, C.W.B.
Cation-induced asymmetry of choline flux across presynaptic plasma membranes (557) 409
- Charlemagne, D., see Lelievre, L. (557) 399
- Coburn, R.F., see Soltoff, S. (557) 217
- Côté, C. and Jacques, J.A.
Studies on the turnover of proteins of the rat erythrocyte membrane (557) 112
- Daemen, F.J.M., see Van Breugel, P.J.G.M. (557) 188
- Datta, A., see Singh, B. (557) 248
- Day, C.C., see Sun, S.T. (557) 45
- Deuticke, B., see Haest, C.W.M. (557) 363
- Devés, R. and Krupka, R.M.
The binding and translocation steps in transport as related to substrate structure. A study of the choline carrier of erythrocytes (557) 469
- Diloy-Puray, M., see Westerman, M.P. (557) 149
- Dougherty, M.A., Weimar, G.R., Nahrwold, D.L. and Rose, R.C.
Absorption of 2-acetylaminofluorene in the guinea-pig colon (557) 486
- Elliott, J.R. and Haydon, D.A.
The interaction of n-octanol with black lipid bilayer membranes (557) 259
- Eriksson, L.E.G., see Westman, J. (557) 62
- Erman, J.E., see Vitello, L. (557) 331
- Fisher, D., see Tilcock, C.P.S. (557) 53
- Galla, H.-J., see Sixl, F. (557) 320
- Gay, A.C., see Selhub, J. (557) 372
- Glatz, P., see Waring, A.J. (557) 391
- Glueck, C.J., see Wilson, D. (557) 79
- Gunter-Smith, P.J. and White, J.F.
Contribution of villus and intervillus epithelium to intestinal transmural potential difference and response to theophylline and sugar (557) 425
- Haest, C.W.M., Kamp, D. and Deuticke, B.
Formation of disulfide bonds between glutathione and membrane SH groups in human erythrocytes (557) 363
- Haydon, D.A., see Elliott, J.R. (557) 259
- Haynes, D.H., Lansman, J., Cahill, A.L. and Morris, S.J.
Kinetics of cation-induced aggregation of Torpedo electric organ synaptic vesicles (557) 340
- Ho, J.T., see Sun, S.T. (557) 45
- Hsang, C.C., see Sun, S.T. (557) 45
- Hui, S.W., see Pearson, R.P. (557) 265
- Hunt, C.A., see Olson, F. (557) 9
- Hwang, S.M. and Segal, S.
Developmental and other characteristics of lysine uptake by rat brain synaptosomes (557) 436

- Iwashima, A., Nishimura, H. and Nose, Y.
Soluble and membrane-bound thiamine-binding proteins from *Saccharomyces cerevisiae* (557) 460
- Jackson, R.L., Wilson, D. and Glueck, C.J.
Exchange of phospholipids between unilamellar vesicles of 1,2-dipalmitoyl-sn-glycero-3-phosphatidylcholine and plasma very low density lipoproteins (557) 79
- Jacquez, J.A., see Côté, C. (557) 112
- Jones, L.R.
 Mg^{2+} and ATP effects on K^+ activation of the Ca^{2+} -transport ATPase of cardiac sarcoplasmic reticulum (557) 230
- Kamp, D., see Haest, C.W.M. (557) 363
- Karczmar, G.S. and Tritton, T.R.
The interaction of adriamycin with small unilamellar vesicle liposomes: a fluorescence study (557) 306
- Kasai, M. and Kometani, T.
Inhibition of anion permeability of sarcoplasmic reticulum vesicles by 4-acetoamido-4'-isothiocyanostilbene-2,2'-disulfonate (557) 243
- King, R.J. and MacBeth, M.C.
Physicochemical properties of dipalmitoyl phosphatidylcholine after interaction with an apolipoprotein of pulmonary surfactant (557) 86
- Kinne, R., see Lin, J.T. (557) 179
- Kobatake, Y., see Ueda, T. (557) 199
- Kometani, T., see Kasai, M. (557) 243
- Kresheck, G.C., see Vitello, L. (557) 331
- Kyte, J., see Arias, I.M. (557) 170
- Laget, P., see Lelievre, L. (557) 399
- Lansman, J., see Haynes, D.H., (557) 340
- Läuger, P.
Dielectric noise in membranes (557) 283
- Lelievre, L., Zachowski, A., Charlemagne, D., Laget, P. and Paraf, A.
Inhibition of $(Na^+ + K^+)$ -ATPase by ouabain. Involvement of calcium and membrane proteins (557) 399
- Lin, J.T., Riedel, S. and Kinne, R.
The use of octyl- β -D-glucoside as detergent for hog kidney brush border membrane (557) 179
- Lodhi, S., Weiner, N.D. and Schacht, J.
Interactions of neomycin with monomolecular films of polyphosphoinositides and other lipids (557) 1
- MacBeth, M.C., see King, R.J. (557) 86
- Marčelja, S. and Wolfe, J.
Properties of bilayer membranes in the phase transition or phase separation region (557) 24
- McNamara, P.D., see Reynolds, R. (557) 449
- Möllby, R., see Thelestam, M. (557) 156
- Morris, S.J., see Haynes, D.H. (557) 340
- Nahrwold, D.L., see Dougherty, M.A. (557) 486
- Nishimura, H., see Iwashima, A. (557) 460
- Nose, Y., see Iwashima, A. (557) 460
- Olson, F., Hunt, C.A., Szoka, F.C., Vail, W.J. and Papahadjopoulos, D.
Preparation of liposomes of defined size distribution by extrusion through polycarbonate membranes (557) 9
- Papahadjopoulos, D., see Olson, F. (557) 9
- Paraf, A., see Lelievre, L. (557) 399
- Paulsen, R. and Schwemer, J.
Vitamin A deficiency reduces the concentration of visual pigment protein within blowfly photoreceptor membranes (557) 385
- Pearson, R.P., Hui, S.W. and Stewart, T.P.
Correlative statistical analysis and computer modelling of intramembraneous particle distribution in human erythrocyte membranes (557) 265
- Rando, R.R. and Bangerter, F.W.
On the labelling of oxidised cell surface membranes by acyl hydrazides (557) 354
- Rea, C., see Reynolds, R. (557) 449
- Reynolds, R., Rea, C., McNamara, P.D. and Segal, S.
The effect of diamide on amino acid transport by rat renal cortex slices (557) 449
- Riedel, S., see Lin, J.T. (557) 179
- Rose, R.C., see Dougherty, M.A. (557) 486
- Rosenberg, I.H., see Selhub, J. (557) 372
- Roufogalis, B.D., see Beauregard, G. (557) 102
- Schacht, J., see Lodhi, S. (557) 1
- Schwemer, J., see Paulsen, R. (557) 385
- Segal, S., see Hwang, S.M. (557) 436
- Segal, S., see Reynolds, R. (557) 449
- Selhub, J., Gay, A.C. and Rosenberg, I.H.
Effect of anions on folate binding by isolated brush border membranes from rat kidney (557) 372
- Sheetz, M.P.
Integral membrane protein interactions with triton cytoskeletons of erythrocytes (557) 122

- Singh, B. and Data, A.
Regulation of N-acetylglucosamine uptake in yeast (557) 248
- Sixl, F. and Galla, H.-J.
Cooperative lipid-protein interaction. Effect of pH and ionic strength on polymyxin binding to phosphatidic acid membranes (557) 320
- Soltoff, S. and Coburn, R.F.
Zero extracellular K⁺ and prostaglandin E release in the guinea-pig taenia coli (557) 217
- Sondergaard, L.
Role of proteins and lipids in non-linear Arrhenius plots of *Drosophila* mitochondrial succinate-cytochrome c reductase studied by rebinding experiments (557) 208
- Stewart, T.P., see Pearson, R.P. (557) 265
- Streczyn, M., see Westerman, M.P. (557) 149
- Sun, S.T., Hsang, C.C., Day, E.P. and Ho, J.T.
Fusion of phosphatidylserine and mixed phosphatidylserine-phosphatidylcholine vesicles. Dependence on calcium concentration and temperature (557) 45
- Szabo, G., see Waldbillig, R.C. (557) 295
- Szoka, F.C., see Olson, F. (557) 9
- Thelestam, M. and Möllby, R.
Classification of microbial, plant and animal cytolysins based on their membrane-damaging effects on human fibroblasts (557) 156
- Tilcock, C.P.S. and Fisher, D.
Interaction of phospholipid membranes with poly(ethylene glycol)s (557) 53
- Tritton, T.S., see Karczmar, G.S. (557) 306
- Ueda, T. and Kobatake, Y.
Spectral analysis of fluorescence of 8-anilino-1-naphthalenesulfonate in chemoreception with a white plasmodium of *Physarum polycephalum*. Evidence for conformational change in chemoreceptive membrane (557) 199
- Vail, W.J., see Olson, F. (557) 9
- Van Breugel, P.J.G.M., Bovee-Geurts, P.H.M., Bonting, S.L. and Daemen, F.J.M.
Biochemical aspects of the visual process. XL. Spectral and chemical analysis of metarhodopsin III in photoreceptor membrane suspensions (557) 188
- Vanderkooi, G., see Vitello, L. (557) 331
- Vanderkooi, J.M., see Waring, A.J. (557) 391
- Vitello, L., Kresheck, G.C., Albers, R.J., Erman, J.E. and Vanderkooi, G.
Block poly(Ala)-poly(Lys). A water-soluble model for intrinsic membrane proteins? (557) 331
- Waldbillig, R.C. and Szabo, G.
Planar bilayer membranes from pure lipids (557) 295
- Waring, A.J., Glatz, P. and Vanderkooi, J.M.
Subzero temperature study of the inner mitochondrial membrane and related phospholipid membrane systems with the fluorescence probe, trans-parinaric acid (557) 391
- Weimar, G.R., see Dougherty, M.A. (557) 486
- Weiner, N.D., see Lodhi, S. (557) 1
- Westerman, M.P., Diloy-Puray, M. and Streczyn, M.
Membrane components in the red cells of patients with sickle cell anemia. Relationship to cell aging and to irreversibility of sickling (557) 149
- Westman, J. and Eriksson, L.E.G.
The interaction of various lanthanide ions and some anions with phosphatidylcholine vesicle membranes. A ³¹P NMR study of the surface potential effects (557) 62
- White, J.F., see Gunter-Smith, P.J. (557) 425
- Wilson, D., see Jackson, R.L. (557) 79
- Wolfe, J., see Marčelja, S. (557) 24
- Zachowski, A., see Lelievre, L. (557) 399