

AUTHOR INDEX

- Akiyama, M., Terayama, Y. and Matsushima, N.
Kinetics of pretransition in multilamellar dimyristoylphosphatidylcholine vesicle. X-ray diffraction study (687) 337
- Albrecht, O., Johnston, D.S., Villaverde, S. and Chapman, D.
Stable biomembrane surfaces formed by phospholipid polymers (687) 165
- Bajin, K., see Kovačević, Z. (687) 291
- Bakker-Grünwald, T., Ogden, P. and Lamb, J.F.
Effects of ouabain and osmolarity on bumetanide-sensitive potassium transport in simian virus-transformed 3T3 cells (687) 333
- Banerjee, U., see Schuh, J.R. (687) 219
- Bartles, J.R. and Frazier, W.A.
Discoidin I-membrane interactions. I. Discoidin I binds to two types of receptor on fixed *Dictyostelium discoideum* cells (687) 121
- Bartles, J.R., Galvin, N.J. and Frazier, W.A.
Discoidin I-membrane interactions. II. Discoidin I binds to and agglutinates negatively charged phospholipid vesicles (687) 129
- Bartles, J.R., Santoro, B.C. and Frazier, W.A.
Discoidin I-membrane interactions. III. Interaction of discoidin I with living *Dictyostelium discoideum* cells (687) 137
- Baruch, D., see Kutner, S. (687) 113
- Bauriedel, G., see Werdan, K. (687) 79
- Bayer, E.A., see Spiegel, S. (687) 27
- Benajiba, A., Desnuelle, P. and Maroux, S.
Presence of free hydrophobic peptides in the brush border and basolateral membranes of pig enterocytes (687) 1
- Blanco, M.
Evidence for the existence of a monovalent cation-stimulated, magnesium-dependent adenosine triphosphatase activity in the isolated plasma membranes of amoebas of the slime mold *Dictyostelium discoideum* (687) 94
- Bond, G.H. and Hudgins, P.M.
Low-affinity Na⁺ sites on (Na⁺ + K⁺)-ATPase modulate inhibition of Na⁺-ATPase activity by vanadate (687) 310
- Cabantchik, Z.I., see Kutner, S. (687) 113
- Chan, S.I., see Schuh, J.R. (687) 219
- Chapman, D., see Albrecht, O. (687) 165
- Cossins, A.R. and Prosser, C.L.
Variable hemeoviscous responses of different brain membranes of thermally-acclimated goldfish (687) 303
- Cousin, J.-L. and Motais, R.
Inhibition of anion transport in the red blood cell by anionic amphiphilic compounds. I. Determination of the flufenamate-binding site by proteolytic dissection of the band 3 protein (687) 147
- Cousin, J.-L. and Motais, R.
Inhibition of anion transport in the red blood cell by anionic amphiphilic compounds. II. Chemical properties of the flufenamate-binding site on the band 3 protein (687) 156
- Daemen, F.J.M., see Kamps, K.M.P. (687) 296
- De Grip, W.J., see Kamps, K.M.P. (687) 296
- Desnuelle, P., see Benajiba, A. (687) 1
- Deutsch, C. and Price, M.A.
Cell calcium in human peripheral blood lymphocytes and the effect of mitogen (687) 211
- Du, Z.-H. and Mansour, T.E.
Effect of adenylate cyclase activators and Mg²⁺ on the binding and the electron spin resonance spectra of *N*-methylmaleimide nitroxide in membrane particles from the liver fluke *Fasciola hepatica* (687) 257
- Eilam, Y.
Effect of monovalent cations on calcium efflux in yeast (687) 8
- Enyedi, Á, Sarkadi, B. and Gárdos, G.
On the substrate specificity of the red cell calcium pump (687) 109
- Erdmann, E., see Werdan, K. (687) 79
- Fehlmann, M., see Samson, M. (687) 35
- Ferrell, J.E., Jr. and Huestis, W.H.
Calcium does not mediate the shape change that follows ATP depletion in human erythrocytes (687) 321
- Fischer, B., see Werdan, K. (687) 79
- Flamm, M., Okubo, T., Turro, N.J. and Schachter, D.
Pressure dependence of pyrene excimer fluorescence in human erythrocyte membranes (687) 101
- Franck, P.F.H., Roelofsen, B. and Op den Kamp, J.A.F.
Complete exchange of phosphatidylcholine from intact erythrocytes after protein crosslinking (687) 105
- Frazier, W.A., see Bartles, J.R. (687) 121
- Frazier, W.A., see Bartles, J.R. (687) 129
- Frazier, W.A., see Bartles, J.R. (687) 137
- Galvin, N.J., see Bartles, J.R. (687) 129
- Gárdos, G., see Enyedi, Á. (687) 109
- Ginsburg, H., see Kutner, S. (687) 113
- Gruenewald, B.
On the phase transition kinetics of phospholipid bilayers.

- Relaxation experiments with detection of fluorescence anisotropy (687) 71
- Guilleme, J., see Santarén, J.F. (687) 231
- Higgins, J.A., see Hutson, J.L. (687) 247
- Himukai, M., Kano-Kameyama, A. and Hoshi, T.
Mechanisms of inhibition of glycylglycine transport by glycyl-L-leucine and L-leucine in guinea-pig small intestine (687) 170
- Hoshi, T., see Himukai, M. (687) 170
- Hudgins, P.M., see Bond, G.H. (687) 310
- Huestis, W.H., see Ferrell, J.E., Jr. (687) 321
- Hutson, J.L. and Higgins, J.A.
Asymmetric synthesis followed by transmembrane movement of phosphatidylethanolamine in rat liver endoplasmic reticulum (687) 247
- Iacopetta, B.J., Morgan, E.H. and Yeoh, G.C.T.
Transferrin receptors and iron uptake during erythroid cell development (687) 204
- Ichikawa, A., see Negishi, M. (687) 179
- Jan, N., see Pink, D.A. (687) 42
- Johnston, D.S., see Albrecht, O. (687) 165
- Kamps, K.M.P., De Grip, W.J. and Daemen, F.J.M.
Use of a density modification technique for isolation of the plasma membrane of rod outer segments (687) 296
- Kano-Kameyama, A., see Himukai, M. (687) 170
- Karlish, S.J.D., see Muallem, S. (687) 329
- Katz, A.M., Nash-Adler, P., Watras, J., Messineo, F.C., Takenaka, H. and Louis, C.F.
Fatty acid effects on calcium influx and efflux in sarcoplasmic reticulum vesicles from rabbit skeletal muscle (687) 17
- Klip, A., Logan, W.J. and Li, G.
Hexose transport in L6 muscle cells. Kinetic properties and the number of [³H]cytochalasin B binding sites (687) 265
- Kovačević, Z. and Bajin, K.
Kinetics of glutamine efflux from liver mitochondria loaded with the ¹⁴C-labeled substrate (687) 291
- Krawietz, W., see Werdan, K. (687) 79
- Kubak, B.M. and Yotis, W.W.
Solubilization and electrophoretic analysis of *Staphylococcus aureus* membrane proteins (687) 238
- Kutner, S., Baruch, D., Ginsburg, H. and Cabantchik, Z.I.
Alterations in membrane permeability of malaria-infected human erythrocytes are related to the growth stage of the parasite (687) 113
- Lajeunesse, D., see Le Grimellec, C. (687) 281
- Lamb, J.F., see Bakker-Grunwald, T. (687) 333
- Le Grimellec, C., Lajeunesse, D. and Rigaud, J.-L.
Effects of energization on membrane organization in mycoplasma (687) 281
- Li, G., see Klip, A. (687) 265
- Logan, W.J., see Klip, A. (687) 265
- Lookman, T., see Pink, D.A. (687) 42
- Louis, C.F., see Katz, A.M. (687) 17
- MacDonald, A.L., see Pink, D.A. (687) 42
- Mann, K. and Mecke, D.
The isolation of *Saccharomyces cerevisiae* nuclear membranes with nuclease and high-salt treatment (687) 57
- Mansour, T.E., see Du, Z.-H. (687) 257
- Maroux, S., see Benajiba, A. (687) 1
- Matsushima, N., see Akiyama, M. (687) 337
- Mecke, D., see Mann, K. (687) 57
- Messineo, F.C., see Katz, A.M. (687) 17
- Metlaš, R. and Nikezić, G.
The effect of sodium on depolarization-induced calcium uptake and acetylcholine release by synaptosomes (687) 340
- Morgan, E.H., see Iacopetta, B.J. (687) 204
- Motais, R., see Cousin, J.-L. (687) 147
- Motais, R., see Cousin, J.-L. (687) 156
- Muallem, S. and Karlish, S.J.D.
Regulation of the Ca²⁺-pump by calmodulin in intact cells (687) 329
- Müller, L., see Schuh, J.R. (687) 219
- Murphy, R.B., see Vodyanoy, V. (687) 189
- Nash-Adler, P., see Katz, A.M. (687) 17
- Negishi, M., Ichikawa, A. and Tomita, K.
Calcium uptake in mastocytoma P-815 cells (687) 179
- Nikezić, G., see Metlaš, R. (687) 340
- Ogden, P., see Bakker-Grunwald, T. (687) 333
- Okubo, T., see Flamm, M. (687) 101
- Op den Kamp, J.A.F., see Franck, P.F.H. (687) 105
- Pink, D.A., Lookman, T., MacDonald, A.L., Zuckermann, M.J. and Jan, N.
Lateral diffusion of gramicidin S, M-13 coat protein and glycophorin in bilayers of saturated phospholipids. Mean field and Monte Carlo studies (687) 42
- Price, M.A., see Deutsch, C. (687) 211
- Prosser, C.L., see Cossins, A.R. (687) 303
- Ribera, A., see Santarén, J.F. (687) 231
- Rico, M., see Santarén, J.F. (687) 231
- Rigaud, J.-L., see Le Grimellec, C. (687) 281
- Roelofsen, B., see Franck, P.F.H. (687) 105
- Royt, P.W.
Glucose transport in nongrowing yeast (687) 226
- Rubinson, K.A.
HPLC separation and comparative toxicity of saxitoxin and its reaction products (687) 315
- Samson, M. and Fehlmann, M.
Plasma membrane vesicles from isolated hepatocytes retain the increase of amino acid transport induced by dibutyryl cyclic AMP in intact cells (687) 35
- Santarén, J.F., Rico, M., Guilleme, J. and Ribera, A.
Thermal and ¹³C-NMR study of the dynamic structure of 1-palmitoyl-2-oleyl-*sn*-glycero-3-phosphocholine and 1-oleyl-2-palmitoyl-*sn*-glycero-3-phosphocholine in aqueous dispersions (687) 231
- Santoro, B.C., see Bartles, J.R. (687) 137

- Sarkadi, B., see Enyedi, Á. (687) 109
- Sasaki, T., see Yamada, K. (687) 195
- Schachter, D., see Flamm, M. (687) 101
- Schiphorst, M.E., see Sixma, J.J. (687) 97
- Schmitz, W., see Werdan, K. (687) 79
- Scholz, H., see Werdan, K. (687) 79
- Schuh, J.R., Banerjee, U., Müller, L. and Chan, S.I.
The phospholipid packing arrangement in small bilayer vesicles as revealed by proton magnetic resonance studies at 500 MHz (687) 219
- Shaklai, N., see Shviro, Y. (687) 63
- Shviro, Y., Zilber, I. and Shaklai, N.
The interaction of hemoglobin with phosphatidylserine vesicles (687) 63
- Sixma, J.J., Schiphorst, M.E. and Verhoeckx, C.
Identification of ectoproteins of human platelets. II. Proteins of low molecular weight (10000–43000) (687) 97
- Skutelsky, E., see Spiegel, S. (687) 27
- Spiegel, S., Skutelsky, E., Bayer, E.A. and Wilchek, M.
A novel approach for the topographical localization of glycolipids on the cell surface (687) 27
- Takenaka, H., see Katz, A.M. (687) 17
- Terayama, Y., see Akiyama, M. (687) 337
- Tomita, K., see Negishi, M. (687) 179
- Turro, N.J., see Flamm, M. (687) 101
- Verhoeckx, C., see Sixma, J.J. (687) 97
- Villaverde, S., see Albrecht, O. (687) 165
- Vodyanoy, V. and Murphy, R.B.
Solvent-free lipid bimolecular membranes of large surface area (687) 189
- Watrás, J., see Katz, A.M. (687) 17
- Werdan, K., Bauriedel, G., Fischer, B., Krawietz, W., Erdmann, E., Schmitz, W. and Scholz, H.
Stimulatory (insulin-mimetic) and inhibitory (ouabain-like) action of vanadate on potassium uptake and cellular sodium and potassium in heart cells in culture (687) 79
- White, J.F.
Intestinal electrogenic HCO_3^- absorption localized to villus epithelium (687) 343
- Wilchek, M., see Spiegel, S. (687) 27
- Yamada, K. and Sasaki, T.
A rat brain cytosol protein which accelerates the translocation of galactosylceramide, lactosylceramide and glucosylceramide between membranes (687) 195
- Yeoh, G.C.T., see Iacopetta, B.J. (687) 204
- Yotis, W.W., see Kubak, B.M. (687) 238
- Zilber, I., see Shviro, Y. (687) 63
- Zuckermann, M.J., see Pink, D.A. (687) 42