

AUTHOR INDEX

- Abidi, T.F., see Al-Ahdal, M.N. (854) 157
- Akutsu, H., Suezaki, Y., Yoshikawa, W. and Kyogoku, Y.
Influence of metal ions and a local anesthetic on the conformation of the choline group of phosphatidylcholine bilayers studied by Raman spectroscopy (854) 213
- Al-Ahdal, M.N., Abidi, T.F. and Flanagan, T.D.
The interaction of Sendai virus glycoprotein-bearing recombinant vesicles with cell surfaces (854) 157
- Apell, H.-J., see Marcus, M.M. (854) 270
- Ashley, R.H.
External calcium, intrasynaptosomal free calcium and neurotransmitter release (854) 207
- Bakker-Grunwald, T., Keller, F. and Trissl, D.
Effects of amiloride on Na^+ content and pinocytosis in *Entamoeba histolytica* (854) 265
- Beaugé, L., see DiPollo, R. (854) 298
- Böhmer, F.-D., see Wetzker, R. (854) 117
- Bolard, J., see Henry, N. (854) 84
- Bonting, S.L., see Schuurmans Stekhoven, F.M.A.H. (854) 21
- Borle, F., see Killian, J.A. (854) 133
- Borst-Pauwels, G.W.F.H., see Gage, R.A. (854) 77
- Brown, L., see Villalobo, A. (854) 9
- Bussolati, O., Laris, P.C., Longo, N., Dall'Asta, V., Franchi-Gazzola, R., Guidotti, G.G. and Gazzola, G.C.
Effect of extracellular potassium on amino acid transport and membrane potential in fetal human fibroblasts (854) 240
- Cabantchik, Z.I., see Levy, R. (854) 325
- Cafiso, D.S., see Cline, D.S. (854) 151
- Caughey, B., Painter, G.R., Drake, A.F. and Gibbons, W.A.
The role of molecular conformation in ion capture by carboxylic ionophores: a circular dichroism study of narasin A in single-phase solvents and liposomes (854) 109
- Chan, S.I., see Dea, P. (854) 1
- Cherry, R.J., see Junankar, P.R. (854) 198
- Cline, D.S. and Cafiso, D.S.
Reconstitution of an electrically active conformational transition in rhodopsin-containing membranes (854) 151
- Cumar, F.A., see Fidelio, G.D. (854) 231
- Dall'Asta, V., see Bussolati, O. (854) 240
- Dea, P. and Chan, S.I.
Organization of chlorophyll *a* in bilayer membranes. The chlorophyll *a*/dimyristoylphosphatidylcholine system (854) 1
- De Kruijff, B., see Killian, J.A. (854) 133
- De Pont, J.J.H.H.M., see Schuurmans Stekhoven, F.M.A.H. (854) 21
- Deuticke, B., Heller, K.B. and Haest, C.W.M.
Leak formation in human erythrocytes by the radical-forming oxidant *t*-butylhydroperoxide (854) 169
- DiPollo, R. and Beaugé, L.
Reverse Na-Ca exchange requires internal Ca and/or ATP in squid axons (854) 298
- Drake, A.F., see Caughey, B. (854) 109
- Eichhorn, R., see Goppelt, M. (854) 184
- Fernández Belda, F., García de Ancos, J. and Inesi, G.
Fluorometric titration of the sarcoplasmic reticulum adenosinetriphosphatase calcium sites in the presence of vanadate (854) 257
- Fiallo, M.M.L. and Garnier-Suillerot, A.
Interaction of adriamycin with cardiolipin-containing vesicles. Evidence of an embedded site for the dihydroanthraquinone moiety (854) 143
- Fidelio, G.D., Maggio, B. and Cumar, F.A.
Molecular parameters and physical state of neutral glycosphingolipids and gangliosides in monolayers at different temperatures (854) 231
- Flanagan, T.D., see Al-Ahdal, M.N. (854) 157
- Franchi-Gazzola, R., see Bussolati, O. (854) 240
- Gage, R.A., Theuvenet, A.R.P. and Borst-Pauwels, G.W.F.H.
Effect of plasmolysis upon monovalent cation uptake, 9-aminoacridine binding and the zeta potential of yeast cells (854) 77
- García de Ancos, J., see Fernández Belda, F. (854) 257
- García, A.M., see Hidalgo, C. (854) 279
- Garnier-Suillerot, A., see Fiallo, M.M.L. (854) 143
- Gazzola, G.C., see Bussolati, O. (854) 240
- Georgescauld, D., see Savoie, R. (854) 329
- Gibbons, W.A., see Caughey, B. (854) 109
- González, M.E., see Hidalgo, C. (854) 279
- Goppelt, M., Eichhorn, R., Krebs, G. and Resch, K.
Lipid composition of functional domains of the lymphocyte plasma membrane (854) 184
- Grosse, R., see Wetzker, R. (854) 117
- Guidotti, G.G., see Bussolati, O. (854) 240
- Haest, C.W.M., see Deuticke, B. (854) 169
- Hanano, M., see Miyamoto, Y. (854) 191
- Hegewald, H., see Wetzker, R. (854) 117
- Heller, K.B., see Deuticke, B. (854) 169
- Helmich-de Jong, M.L., see Schuurmans Stekhoven, F.M.A.H. (854) 21
- Henry, N. and Bolard, J.
Synergistic incorporation of daunorubicin in erythrocytes in

- the presence of polyene antibiotics. Role of the membrane potential (854) 84
- Hevroni, D., see Levy, R. (854) 325
- Hidalgo, C., González, M.E. and García, A.M.
Calcium transport in transverse tubules isolated from rabbit skeletal muscle (854) 279
- Hyde, J.S., see Kusumi, A. (854) 307
- Iga, T., see Miyamoto, Y. (854) 191
- Inesi, G., see Fernández Belda, F. (854) 257
- Ito, Y., see Shibata, A. (854) 147
- Junankar, P.R. and Cherry, R.J.
Temperature and pH dependence of the haemolytic activity of influenza virus and of the rotational mobility of the spike glycoproteins (854) 198
- Keller, F., see Bakker-Grunwald, T. (854) 265
- Killian, J.A., Borle, F., De Kruijff, B. and Seelig, J.
Comparative ^2H - and ^{31}P -NMR study on the properties of palmitoyllysophosphatidylcholine in bilayers with gramicidin, cholesterol and dipalmitoylphosphatidylcholine (854) 133
- Klinger, R., see Wetzker, R. (854) 117
- Krebs, G., see Goppelt, M. (854) 184
- Kreman, M., see Zampighi, G. (854) 45
- Kusumi, A., Subczynski, W.K., Pasenkiewicz-Gierula, M., Hyde, J.S. and Merkle, H.
Spin-label studies on phosphatidylcholine-cholesterol membranes: effects of alkyl chain length and unsaturation in the fluid phase (854) 307
- Kusumi, A., see Subczynski, W.K. (854) 318
- Kyogoku, Y., see Akutsu, H. (854) 213
- Kyte, J., see Zampighi, G. (854) 45
- Laris, P.C., see Bussolati, O. (854) 240
- Läuger, P., see Marcus, M.M. (854) 270
- Levin, I.W., see O'Leary, T.J. (854) 321
- Levy, R., Hevroni, D., Cabantchik, Z.I. and Livne, A.
 Li_2Na_0 countertransport and Li leak in erythrocytes are differentially affected by membrane enrichment with cholesteryl hemisuccinate (854) 325
- Livne, A., see Levy, R. (854) 325
- Longo, N., see Bussolati, O. (854) 240
- McWade, D., see Rangachari, P.K. (854) 251
- Maggio, B., see Fidelio, G.D. (854) 231
- Marcus, M.M., Apell, H.-J., Roudna, M., Schwendener, R.A., Weder, H.-G. and Läuger, P.
($\text{Na}^+ + \text{K}^+$)-ATPase in artificial lipid vesicles: Influence of lipid structure on pumping rate (854) 270
- Merkle, H., see Kusumi, A. (854) 307
- Miyamoto, Y., Yuasa, H., Iga, T. and Hanano, M.
Determination of the membrane permeability coefficient and the reflection coefficient by the two-dimensional laminar flow model for intestinal perfusion experiments (854) 191
- Moriyama, Y., Takano, T. and Ohkuma, S.
Similarity of lysosomal H^+ -ATPase to mitochondrial F_0F_1 -ATPase in sensitivity to anions and drugs as revealed by solubilization and reconstitution (854) 102
- Müller, E., see Wetzker, R. (854) 117
- Nagle, J.F., see Tristram-Nagle, S. (854) 58
- Nakae, T., see Yoshihara, E. (854) 93
- Neubig, R.R. and Szamraj, O.
Large-scale purification of α_2 -adrenergic receptor-enriched membranes from human platelets. Persistent association of guanine nucleotides with nonpurified membranes (854) 67
- Nuske, J.H.
Stimulation of protein methylase II from *Torpedo marmorata* by cholinergic effectors (854) 124
- Ohkuma, S., see Moriyama, Y. (854) 102
- O'Leary, T.J. and Levin, I.W.
Raman spectroscopy of selectively deuterated dimyristoylphosphatidylcholine: studies on dimyristoylphosphatidylcholine-cholesterol bilayers (854) 321
- Painter, G.R., see Caughey, B. (854) 109
- Pasenkiewicz-Gierula, M., see Kusumi, A. (854) 307
- Pézolet, M., see Savoie, R. (854) 329
- Pigeon-Gosselin, M., see Savoie, R. (854) 329
- Popp-Snijders, C., Schouten, J.A., Van Blitterswijk, W.J. and Van der Veen, E.A.
Changes in membrane lipid composition of human erythrocytes after dietary supplementation of ($n-3$) polyunsaturated fatty acids. Maintenance of membrane fluidity (854) 31
- Rangachari, P.K. and McWade, D.
Ouabain-insensitive, halide-sensitive Ti^+ uptake by canine iliac arteries (854) 251
- Resch, K., see Goppelt, M. (854) 184
- Ross, T.E., see Sharom, F.J. (854) 287
- Roudna, M., see Marcus, M.M. (854) 270
- Roufogalis, B.D., see Villalobo, A. (854) 9
- Savoie, R., Pigeon-Gosselin, M., Pézolet, M. and Georgescauld, D.
Effect of the action potential on the Raman spectrum of the pike olfactory nerve (854) 329
- Scheven, M., see Wetzker, R. (854) 117
- Schouten, J.A., see Popp-Snijders, C. (854) 31
- Schuermans Stekhoven, F.M.A.H., Swarts, H.G.P., Helmich-de Jong, M.L., De Pont, J.J.H.H.M. and Bonting, S.L.
Free protons do not substitute for sodium ions in buffer-mediated phosphorylation of ($\text{Na}^+ + \text{K}^+$)-ATPase (854) 21
- Schwendener, R.A., see Marcus, M.M. (854) 270
- Seelig, J., see Killian, J.A. (854) 133
- Sharom, F.J. and Ross, T.E.
Association of gangliosides with the lymphocyte plasma membrane studied using radiolabels and spin labels (854) 287
- Shibata, A., Yamashita, S., Ito, Y. and Yamashita, T.
Polymerization of amino acid under liposomal environment (854) 147

- Simon, S.A., see Zampighi, G. (854) 45
- Subczynski, W.K. and Kusumi, A.
Effects of very small amounts of cholesterol on gel-phase phosphatidylcholine membranes (854) 318
- Subczynski, W.K., see Kusumi, A. (854) 307
- Suezaki, Y., see Akutsu, H. (854) 213
- Swarts, H.G.P., see Schuurmans Stekhoven, F.M.A.H. (854) 21
- Szamraj, O., see Neubig, R.R. (854) 67
- Takano, T., see Moriyama, Y. (854) 102
- Theuvenet, A.R.P., see Gage, R.A. (854) 77
- Trissl, D., see Bakker-Grunwald, T. (854) 265
- Tristram-Nagle, S., Yang, C.-P. and Nagle, J.F.
Thermodynamic studies of purple membrane (854) 58
- Van Blitterswijk, W.J., see Popp-Snijders, C. (854) 31
- Van Blitterswijk, W.J., see Van der Meer, B.W. (854) 38
- Van der Meer, B.W., Van Hoeven, R.P. and Van Blitterswijk, W.J.
Steady-state fluorescence polarization data in membranes. Resolution into physical parameters by an extended Perrin equation for restricted rotation of fluorophores (854) 38
- Van der Veen, E.A., see Popp-Snijders, C. (854) 31
- Van Hoeven, R.P., see Van der Meer, B.W. (854) 38
- Villalobo, A., Brown, L. and Roufogalis, B.D.
Kinetic properties of the purified Ca^{2+} -translocating ATPase from human erythrocyte plasma membrane (854) 9
- Weder, H.-G., see Marcus, M.M. (854) 270
- Wetzker, R., Böhmer, F.-D., Klinger, R., Müller, E., Hegewald, H., Scheven, M. and Grosse, R.
Purification and characterization of the Ca^{2+} -ATPase of plasma membranes from Ehrlich ascites mammary carcinoma cells (854) 117
- Wright, J.K.
Experimental analysis of ion/solute cotransport by substrate binding and facilitated diffusion (854) 219
- Yamashita, S., see Shibata, A. (854) 147
- Yamashita, T., see Shibata, A. (854) 147
- Yang, C.-P., see Tristram-Nagle, S. (854) 58
- Yoshihara, E. and Nakae, T.
Cytolytic activity of liposomes containing stearylamine (854) 93
- Yoshikawa, W., see Akutsu, H. (854) 213
- Yuasa, H., see Miyamoto, Y. (854) 191
- Zampighi, G., Simon, S.A., Kyte, J. and Kreman, M.
One-dimensional crystals of $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ dimers (854) 45