

AUTHOR INDEX

- Åkerman, K.E.O., see Heinonen, E. (898) 331
 Alpers, D.H., see Tiruppathi, C. (898) 283
 Andersen, J.P., see Vilsen, B. (898) 313
 Aranda, F.J., see Ortiz, A. (898) 214
- Becker, F.F., see Price, J.A.R. (898) 129
 Bental, M., Wilschut, J., Scholma, J. and Nir, S.
 Ca^{2+} -induced fusion of large unilamellar phosphatidylserine/cholesterol vesicles (898) 239
 Bergeron, J.J.M., see Paiement, J. (898) 6
 Berk, P.D., see Potter, B.J. (898) 159
 Blades, B.F., see Potter, B.J. (898) 159
 Brody, S., see Coté, G.G. (898) 23
- Chapman, D., see Urbaneja, M.A. (898) 253
 Charnock, J.S., see McMurchie, E.J. (898) 137
 Christiansson, A., see Clementz, T. (898) 299
 Clementz, T., Christiansson, A. and Wieslander, Å.
 Membrane potential, lipid regulation and adenylate energy charge in acyl chain modified *Acholeplasma laidlawii* (898) 299
 Conti, F., see Parasassi, T. (898) 196
 Coté, G.G. and Brody, S.
 Circadian rhythms in *Neurospora crassa*: membrane composition of a mutant defective in temperature compensation (898) 23
 Curtain, C.C., see Gordon, L.M. (898) 202
- Dorset, D.L.
 Molecular packing of a crystalline ether-linked phosphatidylcholine: an electron diffraction study (898) 121
 Dratz, E.A., see Miller, J.L. (898) 81
- Farooqui, S.M., see Jaffe, S. (898) 37
 Fidelio, G.D., see Urbaneja, M.A. (898) 253
 Firestone, L.L., Janoff, A.S. and Miller, K.W.
 Lipid-dependent differential effects of stereoisomers of anesthetic alcohols (898) 90
 Fischbarg, J., Liebovitch, L.S. and Koniarek, J.P.
 Inhibition of transepithelial osmotic water flow by blockers of the glucose transporter (898) 266
 Fukushima, K., see Sunamoto, J. (898) 323
- Gascoyne, P.R.C., see Price, J.A.R. (898) 129
 Gawrisch, K., see Sternberg, B. (898) 223
 Giráldez, F. and Sepúlveda, F.V.
 Changes in the apparent chloride permeability of *Necturus* enterocytes during the sodium-coupled transport of alanine (898) 248
- Gómez-Fernández, J.C., see Ortiz, A. (898) 214
 Gordon, L.M., Looney, F.D. and Curtain, C.C.
 Estimation of spin probe clustering in biological membranes (898) 202
 Gratton, E., see Parasassi, T. (898) 196
 Gumpert, J., see Sternberg, B. (898) 223
 Gutknecht, J.
 Proton/hydroxide conductance through phospholipid bilayer membranes: effects of phytanic acid (898) 97
- Hara, K., see Sunamoto, J. (898) 323
 Hatta, I., see Tsuchida, K. (898) 53
 Heinonen, E. and Åkerman, K.E.O.
 Intracellular free magnesium in synaptosomes measured with entrapped eriochrome blue (898) 331
 Hiratani, K., see Sunamoto, J. (898) 323
 Hirota, M., see Sunamoto, J. (898) 323
 Hoger, J.H., Tai, S.-P. and Kaplan, S.
 Membrane adenosine triphosphatase in synchronous cultures of *Rhodobacter sphaeroides* (898) 70
- Jaffe, S., Oliver, P.D., Farooqui, S.M., Novak, P.L., Sorgente, N. and Kalra, V.K.
 Separation of luminal and abluminal membrane enriched domains from cultured bovine aortic endothelial cells: monoclonal antibodies specific for endothelial cell plasma membranes (898) 37
 Janoff, A.S., see Firestone, L.L. (898) 90
- Kalra, V.K., see Jaffe, S. (898) 37
 Kaplan, S., see Hoger, J.H. (898) 70
 Koniarek, J.P., see Fischbarg, J. (898) 266
 Koyama, N., Wakabayashi, K. and Nosoh, Y.
 Effect of K^+ on the membrane functions of an alkalophilic *Bacillus* (898) 293
- Lai, C.-N., see Price, J.A.R. (898) 129
 Lazarus, P. and Panasci, L.C.
 Further studies on amino acid transport in murine P388 leukemia cells in vitro. Presence of system y^+ (898) 154
 Liebovitch, L.S., see Fischbarg, J. (898) 266
 Litman, B.J., see Miller, J.L. (898) 81
 Looney, F.D., see Gordon, L.M. (898) 202
 Lucy, J.A., see Urbaneja, M.A. (898) 253
- McLennan, P.L., see McMurchie, E.J. (898) 137
 McMurchie, E.J., Patten, G.S., Charnock, J.S. and McLennan, P.L.
 The interaction of dietary fatty acid and cholesterol on

- catecholamine-stimulated adenylate cyclase activity in the rat heart (898) 137
- Maget-Dana, R., Ptak, M., Peypoux, F. and Michel, G.
Effect of the *O*-methylation of tyrosine on the pore-forming properties of iturins (898) 1
- Michel, G., see Maget-Dana, R. (898) 1
- Miller, J.L., Litman, B.J. and Dratz, E.A.
Binding and activation of rod outer segment phosphodiesterase and guanosine triphosphate binding protein by disc membranes: influence of reassociation method and divalent cations (898) 81
- Miller, K.W., see Firestone, L.L. (898) 90
- Mishima, K., Satoh, K. and Ogihara, T.
Optical birefringence of phosphatidylcholine liposomes in gel phases (898) 231
- Moynihan, M.M., see Treistman, S.N. (898) 109
- Murray, D.K. and Nelson, D.H.
Dexamethasone inhibition of cholesterol-stimulated glucose transport in 3T3-L1 cells (898) 308
- Nelson, D.H., see Murray, D.K. (898) 308
- Neumann, R., Ringsdorf, H., Patton, E.V. and O'Brien, D.F.
Preparation and characterization of long chain amino acid and peptide vesicle membranes (898) 338
- Nir, S., see Bental, M. (898) 239
- Nosoh, Y., see Koyama, N. (898) 293
- Novak, P.L., see Jaffe, S. (898) 37
- Nozawa, Y., see Tsuchida, K. (898) 53
- O'Brien, D.F., see Neumann, R. (898) 338
- Ogihara, T., see Mishima, K. (898) 231
- Ohki, K., see Tsuchida, K. (898) 53
- Oliver, P.D., see Jaffe, S. (898) 37
- Ortiz, A., Aranda, F.J. and Gómez-Fernández, J.C.
A differential scanning calorimetry study of the interaction of α -tocopherol with mixtures of phospholipids (898) 214
- Paiement, J., Rindress, D., Smith, C.E., Poliquin, L. and Bergeron, J.J.M.
Properties of a GTP sensitive microdomain in rough microsome (898) 6
- Panasci, L.C., see Lazarus, P. (898) 154
- Parasassi, T., Conti, F., Gratton, E. and Sapor, O.
Membranes modification of differentiating proerythroblasts. Variation of 1,6-diphenyl-1,3,5-hexatriene lifetime distributions by multifrequency phase and modulation fluorimetry (898) 196
- Patten, G.S., see McMurchie, E.J. (898) 137
- Patton, E.V., see Neumann, R. (898) 338
- Peters, T.J., see Simpson, R.J. (898) 181
- Peters, T.J., see Simpson, R.J. (898) 187
- Pethig, R., see Price, J.A.R. (898) 129
- Peypoux, F., see Maget-Dana, R. (898) 1
- Poliquin, L., see Paiement, J. (898) 6
- Potter, B.J., Blades, B.F., Shepard, M.D., Thung, S.M. and Berk, P.D.
The kinetics of sulfobromophthalein uptake by rat liver sinusoidal vesicles (898) 159
- Price, J.A.R., Pethig, R., Lai, C.-N., Becker, F.F., Gascoyne, P.R.C. and Szent-Györgyi, A.
Changes in cell surface charge and transmembrane potential accompanying neoplastic transformation of rat kidney cells (898) 129
- Ptak, M., see Maget-Dana, R. (898) 1
- Reidl, H.H. and Takemoto, J.Y.
Mechanism of action of bacterial phytotoxin, syringomycin. Simultaneous measurement of early responses in yeast and maize (898) 59
- Reinhardt, G., see Sternberg, B. (898) 223
- Rindress, D., see Paiement, J. (898) 6
- Ringsdorf, H., see Neumann, R. (898) 338
- Sapor, O., see Parasassi, T. (898) 196
- Sato, T., see Sunamoto, J. (898) 323
- Satoh, K., see Mishima, K. (898) 231
- Scholma, J., see Bental, M. (898) 239
- Seetharam, B., see Tiruppathi, C. (898) 283
- Sekiya, T., see Tsuchida, K. (898) 53
- Sepúlveda, F.V., see Giraldez, F. (898) 248
- Shepard, M.D., see Potter, B.J. (898) 159
- Simpson, R.J. and Peters, T.J.
Iron-binding lipids of rabbit duodenal brush-border membrane (898) 181
- Simpson, R.J. and Peters, T.J.
Transport of Fe^{2+} across lipid bilayers: possible role of free fatty acids (898) 187
- Smith, C.E., see Paiement, J. (898) 6
- Solomon, A.K., see Toon, M.R. (898) 275
- Sorgente, N., see Jaffe, S. (898) 37
- Sternberg, B., Gumpert, J., Reinhardt, G. and Gawrisch, K.
Electron microscopic and biophysical studies of liposome membrane structures to characterize similar features of the membranes of *Streptomyces hygroscopicus* (898) 223
- Sunamoto, J., Sato, T., Hirota, M., Fukushima, K., Hiratani, K. and Hara, K.
A newly developed immunoliposome - an egg phosphatidylcholine liposome coated with pullulan bearing both a cholesterol moiety and an IgMs fragment (898) 323
- Szent-Györgyi, A., see Price, J.A.R. (898) 129
- Tai, S.-P., see Hoger, J.H. (898) 70
- Takemoto, J.Y., see Reidl, H.H. (898) 59
- Thung, S.M., see Potter, B.J. (898) 159
- Tiruppathi, C., Alpers, D.H. and Seetharam, B.
The role of choline on the activity-temperature relationship of brush-border alkaline phosphatase (898) 283
- Tomita, T., see Watanabe, M. (898) 257
- Toon, M.R. and Solomon, A.K.
Interrelation of ethylene glycol, urea and water transport in the red cell (898) 275
- Treistman, S.N., Moynihan, M.M. and Wolf, D.E.
Influence of alcohols, temperature, and region on the mobility of lipids in neuronal membrane (898) 109
- Tsuchida, K., Ohki, K., Sekiya, T., Nozawa, Y. and Hatta, I.
Dynamics of appearance and disappearance of the ripple

- structure in multilamellar liposomes of dipalmitoyl-phosphatidylcholine (898) 53
- Urbaneja, M.A., Fidelio, G.D., Lucy, J.A. and Chapman, D.
The interaction of an anti-lipid antibody (TEPC 15) with a model biomembrane system (monolayer) (898) 253
- Van Paridon, P.A., Visser, A.J.W.G. and Wirtz, K.W.A.
Binding of phospholipids to the phosphatidylinositol transfer protein from bovine brain as studied by steady-state and time-resolved fluorescence spectroscopy (898) 172
- Vilsen, B. and Andersen, J.P.
Characterization of CrATP induced calcium occlusion in membrane-bound and soluble monomeric sarcoplasmic reticulum Ca^{2+} -ATPase (898) 313
- Visser, A.J.W.G., see Van Paridon, P.A. (898) 172
- Wakabayashi, K., see Koyama, N. (898) 293
- Watanabe, M., Tomita, T. and Yasuda, T.
Membrane-damaging action of staphylococcal alpha-toxin on phospholipid-cholesterol liposomes (898) 257
- Wieslander, Å., see Clementz, T. (898) 299
- Wilschut, J., see Bental, M. (898) 239
- Wirtz, K.W.A., see Van Paridon, P.A. (898) 172
- Wolf, D.E., see Treistman, S.N. (898) 109
- Yasuda, T., see Watanabe, M. (898) 257