

AUTHOR INDEX

- Abrahamson, E.W., see Uhl, R. (601) 462
- Ailhaud, G., see Paris, S. (601) 630
- Allen, T.M., Romans, A.Y., Kercret, H. and Segrest, J.P.
Detergent removal during membrane reconstitution (601) 328
- Anderson, K., see Uhl, R. (601) 462
- Aoki, M., see Tavassoli, M. (601) 544
- Armond, P.A., Björkman, O. and Staehelin, L.A.
Dissociation of supramolecular complexes in chloroplast membranes. A manifestation of heat damage to the photosynthetic apparatus (601) 433
- Assmann, G., see Van Tornout, P. (601) 509
- Bajura, S.T., see Chefurka, W. (601) 349
- Bamford, D.H. and Tapio Palva, E.
Structure of the lipid-containing bacteriophage $\phi 6$. Disruption by Triton X-100 treatment (601) 245
- Barber, K.R., see Lee, P.M. (601) 302
- Bennett, J.P., Cockcroft, S. and Gomperts, B.D.
Use of cytochalasin B to distinguish between early and late events in neutrophil activation (601) 584
- Bennetts, R.W., see Berteloot, A. (601) 592
- Benos, D.J. and Tosteson, D.C.
Cation movements across mouse red blood cells (601) 167
- Bers, D.M., Philipson, K.D. and Nishimoto, A.Y.
Sodium-calcium exchange and sidedness of isolated cardiac sarcolemmal vesicles (601) 358
- Berteloot, A., Bennetts, R.W. and Ramaswamy, K.
Transport characteristics of papain-treated brush-border membrane vesicles. Non-involvement of γ -glutamyltransferase in leucine transport (601) 592
- Beutler, E. and Kuhl, W.
Guanosine triphosphatase activity in human erythrocyte membranes (601) 372
- Björkman, O., see Armond, P.A. (601) 433
- Black, B.L., Yoneyama, Y. and Moog, F.
Microvillous membrane vesicle accumulation in media during culture of intestine of chick embryo (601) 343
- Boggs, J.M., Clement, I.R. and Moscarello, M.A.
Similar effect of proteolipid apoproteins from human myelin (lipophilin) and bovine white matter on the lipid phase transition (601) 134
- Brendzel, A.M. and Miller, I.F.
Effects of lipid-soluble substances on the thermotropic properties of liposome filtration (601) 260
- Brodbeck, U., see Römer-Lüthi, C.R. (601) 123
- Brown, D., see Orci, L. (601) 443
- Burckhardt, G. and Pietrzyk, C.
The influence of an uncoupler on amino acid accumulation in Ehrlich mouse ascites tumor cells (601) 403
- Carvalho, A.P., see Vale, M.G.P. (601) 620
- Cassoly, R., Daveloose, D. and Leterrier, F.
Spin labeling of human spectrin. Effects of temperature, divalent cations and reassociation with erythrocyte membranes (601) 478
- Caster, H., see Van Tornout, P. (601) 509
- Chefurka, W., Zahradka, P. and Bajura, S.T.
The effect of DDT on K^+ transport in mouse liver mitochondria (601) 349
- Clement, I.R., see Boggs, J.M. (601) 134
- Cockcroft, S., see Bennett, J.P. (601) 584
- Cullis, P.R., see De Kruijff, B. (601) 235
- Cushley, R.J., see MacKay, A.L. (601) 22
- Daveloose, D., see Cassoly, R. (601) 478
- De Jeu-Jaspers, C.M.H., see Van der Heul, C. (601) 572
- De Kruijff, B. and Cullis, P.R.
The influence of poly(L-lysine) on phospholipid polymorphism. Evidence that electrostatic polypeptide-phospholipid interactions can modulate bilayer/non-bilayer transitions (601) 235

- DePierre, J.W., see Suzuki, Y. (601) 532
- Dubbelman, T.M.A.R., Haasnoot, C. and Van Steveninck, J.
Temperature dependence of photodynamic red cell membrane damage (601) 220
- Ehrenspeck, G.
Vanadate-induced inhibition of sodium transport and of sodium-independent anion transport in turtle bladder (601) 427
- Eibl, H., see Harlos, K. (601) 113
- Ernster, L., see Suzuki, Y. (601) 532
- Esmann, M., see Skou, J.C. (601) 386
- Forte, J.G., see Lee, H.C. (601) 152
- Freedman, M.H., see Mély-Goubert, B. (601) 315
- Freedman, R.B., see Kaderbhai, M.A. (601) 11
- Gaber, B.P., see Snyder, R.G. (601) 47
- Ghidoni, R., see Masserini, M. (601) 282
- Gomperts, B.D., see Bennett, J.P. (601) 584
- Gorissen, H., see MacKay, A.L. (601) 22
- Grant, C.W.M., see Lee, P.M. (601) 302
- Haasnoot, C., see Dubbelman, T.M.A.R. (601) 220
- Halverson, C., see Tavassoli, M. (601) 544
- Hark, S.-K. and Ho, J.T.
Raman study of calcium-induced fusion and molecular segregation of phosphatidylserine/dimyristoyl phosphatidylcholine- d_{54} membranes (601) 54
- Harlos, K. and Eibl, H.
Influence of calcium on phosphatidylethanolamine. An investigation of the structure at high pH (601) 113
- Hastings, D. and Skou, J.C.
Potassium binding to the $(Na^+ + K^+)$ -ATPase (601) 380
- Hayashi, K., Yamamoto, S.-I., Ohe, K., Miyoshi, A. and Kawasaki, T.
 Na^+ -gradient-dependent transport of L-proline and analysis of its carrier system in brush-border membrane vesicles of the guinea-pig ileum (601) 654
- Heath, T., see Szoka, F. (601) 559
- Henry, J.-P., see Scherman, D. (601) 664
- Hes, J., see Matthews, R.H. (601) 640
- Ho, J.T., see Hark, S.-K. (601) 54
- Hui, S.W., Stewart, T.P. and Yeagle, P.L.
Temperature-dependent morphological and phase behavior of sphingomyelin (601) 271
- Hunt, G.R.A. and Jawaharlal, K.
A 1H -NMR investigation of the mechanism for the ionophore activity of the bile salts in phospholipid vesicular membranes and the effect of cholesterol (601) 678
- Im, J.H., see Matthews, R.H. (601) 640
- Jawaharlal, K., see Hunt, G.R.A. (601) 678
- Kaderbhai, M.A. and Freedman, R.B.
Two-dimensional gel electrophoresis of rat liver microsomal membrane proteins (601) 11
- Kanner, N., see Shohami, E. (601) 206
- Kawasaki, T., see Hayashi, K. (601) 654
- Kercret, H., see Allen, T.M. (601) 328
- Ketis, N.V., see Lee, P.M. (601) 302
- Kito, M., see Nakayama, H. (601) 1
- Korchak, H.M. and Weissmann, G.
Stimulus-response coupling in the human neutrophil. Transmembrane potential and the role of extracellular Na^+ (601) 180
- Koren, R., see Shohami, E. (601) 206
- Kosower, E.M., see Tavassoli, M. (601) 544
- Kosower, N.S., see Tavassoli, M. (601) 544
- Kroos, M.J., see Van der Heul, C. (601) 572
- Kuhl, W., see Beutler, E. (601) 372
- Kuras, P.V., see Uhl, R. (601) 462
- La Belle, E.F. and Valentine, M.E.
Inhibition by amiloride of $^{22}Na^+$ transport into toad bladder microsomes (601) 195
- Lee, H.C. and Forte, J.G.
A novel method for measurement of intravesicular pH using fluorescent probes (601) 152
- Lee, P.M., Ketis, N.V., Barber, K.R. and Grant, C.W.M.
Ganglioside headgroup dynamics (601) 302
- Leterrier, F., see Cassoly, R. (601) 478
- Lewis, N.J., see Matthews, R.H. (601) 640
- Liao, M.-J. and Prestgard, J.H.
Ion specificity in fusion of phosphatidic acid-phosphatidylcholine mixed lipid vesicles (601) 453
- Lievens, M.J., see Van Tornout, P. (601) 509
- Lingham, R.B., Stewart, D.J. and Sen, A.K.
The induction of $(Na^+ + K^+)$ -ATPase in the salt gland of the duck (601) 229

- MacKay, A.L., Wassall, S.R., Valic, M.I., Gorrisen, H. and Cushley, R.J.
²H- and ³¹P-NMR studies of cholesteryl palmitate in sphingomyelin dispersions (601) 22
- Mårdh, S. and Vega, F.
 Kinetics of a nucleotide pyrophosphatase in the plasma membrane of the fat cell (601) 524
- Masserini, M., Sonnino, S., Ghidoni, R. and Tettamanti, G.
 G_{M1} ganglioside-Triton X-100 mixed micelles. Transitions among different micellar species monitored by physico-chemical and enzymatic methods (601) 282
- Matthews, R.H., Lewis, N.J., Hes, J., Im, J.H. and Milo, G.E.
 Inhibition of S37 ascites cell amino acid transport systems by α -chloromethylketone analogs (601) 640
- Maxild, J., Møller, J.V. and Sheikh, M.I.
 Kinetics of p-aminohippurate transport in rabbit kidney slices. Role of Na⁺ (601) 490
- Mayhew, E., see Szoka, F. (601) 559
- McIntosh, T.J., Robertson, J.D., Ting-Beall, H.P., Walter, A. and Zampighi, G.
 On the structure of the hemocyanin channel in lipid bilayers (601) 289
- McNamara, P.D., see Reynolds, R.A. (601) 92
- Mély-Goubert, B. and Freedman, M.H.
 Lipid fluidity and membrane protein monitoring using 1,6-diphenyl-1,3,5-hexatriene (601) 315
- Miller, I.F., see Brendzel, A.M. (601) 260
- Milo, G.E., see Matthews, R.H. (601) 640
- Mitsui, T., see Nakayama, H. (601) 1
- Miyoshi, A., see Hayashi, K. (601) 654
- Møller, J.V., see Maxild, J. (601) 490
- Montesano, R., see Orci, L. (601) 443
- Montgomery, R., see Shepherd, V.L. (601) 101
- Moog, F., see Black, B.L. (601) 343
- Moore, L.
 Nucleotide-induced alteration of rat liver microsome calcium pump activity (601) 605
- Moscarello, M.A., see Boggs, J.M. (601) 134
- Nakayama, H., Mitsui, T., Nishihara, M. and Kito, M.
 Relation between growth temperature of *E. coli* and phase transition temperatures of its cytoplasmic and outer membranes (601) 1
- Nishihara, M., see Nakayama, H. (601) 1
- Nishimoto, A.Y., see Bers, D.M. (601) 358
- Ohe, K., see Hayashi, K. (601) 654
- Olson, F., see Szoka, F. (601) 559
- Orci, L., Montesano, R. and Brown, D.
 Heterogeneity of toad bladder granular cell luminal membranes. Distribution of filipin-sterol complexes in freeze-fracture (601) 443
- Ott, P., see Römer-Lüthi, C.R. (601) 123
- Paphadjopoulos, D., see Szoka, F. (601) 559
- Paris, S. and Ailhaud, G.
 Amino acid and glucose transport in sarcolemmal vesicles from chick embryo heart (601) 630
- Philipson, K.D., see Bers, D.M. (601) 358
- Pietrzyk, C., see Burckhardt, G. (601) 403
- Prestgard, J.H., see Liao, M.-J. (601) 453
- Radda, G.K., see Von Tscharner, V. (601) 63
- Ramaswamy, K., see Berteloot, A. (601) 592
- Regen, D.M. and Tarpley, H.L.
 Effects of pH on β -hydroxybutyrate exchange kinetics of rat erythrocytes (601) 500
- Repke, K.R.H., see Streckenbach, B. (601) 34
- Reynolds, R.A., Wald, H., McNamara, P.D. and Segal, S.
 An improved method for isolation of basolateral membranes from rat kidney (601) 92
- Robertson, J.D., see McIntosh, T.J. (601) 289
- Romans, A.Y., see Allen, T.M. (601) 328
- Römer-Lüthi, C.R., Ott, P. and Brodbeck, U.
 Reconstitution of human erythrocyte membrane acetylcholinesterase in phospholipid vesicles. Analysis of the molecular forms by cross-linking studies (601) 123
- Rosseneu, M., see Van Tornout, P. (601) 509
- Salvaterra, P.M.
¹²⁵I-labelled α -bungarotoxin and [³H]-quinuclidinylbenzilate binding to rat brain membranes. Effects of physical, chemical and enzymatic treatments (601) 78
- Scherer, J.R., see Snyder, R.G. (601) 47
- Scherman, D. and Henry, J.-P.
 Role of the proton electrochemical gradient in monoamine transport by bovine chromaffin granules (601) 664
- Schwarz, D., see Streckenbach, B. (601) 34
- Segal, S., see Reynolds, R.A. (601) 92

- Segrest, J.P., see Allen, T.M. (601) 328
- Sen, A.K., see Lingham, R.B., (601) 229
- Sheikh, M.I., see Maxild, J. (601) 490
- Shepherd, V.L. and Montgomery, R.
Binding of cesalin, an antitumor protein, to cultured mammalian cells (601) 101
- Shohami, E., Kanner, N. and Koren, R.
S-substituted derivatives of 6-mercapto-purine ribosides interact both with the transport and metabolic phosphorylation of uridine by virus-transformed hamster fibroblasts (601) 206
- Skou, J.C., see Hastings, D. (601) 380
- Skou, J.C. and Esmann, M.
Effects of ATP and protons on the Na:K selectivity of the $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ studied by ligand effects on intrinsic and extrinsic fluorescence (601) 386
- Snyder, R.G., Scherer, J.R. and Gaber, B.P.
Effects of chain packing and chain mobility on the Raman spectra of biomembranes (601) 47
- Sonnino, S., see Masserini, M. (601) 282
- Staehelin, L.A., see Armond, P.A. (601) 433
- Stewart, D.J., see Lingham, R.B. (601) 229
- Stewart, T.P., see Hui, S.W. (601) 271
- Streckenbach, B., Schwarz, D. and Repke, K.R.H.
Analysis of phosphoryl transfer mechanism and catalytic centre geometries of transport ATPase by means of spin-labelled ATP (601) 34
- Suzuki, Y., DePierre, J.W. and Ernster, L.
The proliferation of hepatocytes and the lipid composition of the endoplasmic reticulum after induction of drug-metabolizing enzymes with trans-stilbene oxide (601) 532
- Szoka, F., Olson, F., Heath, T., Vail, W., Mayhew, E. and Paphadjopoulos, D.
Preparation of unilamellar liposomes of intermediate size ($0.1\text{--}0.2\ \mu\text{m}$) by a combination of reverse phase evaporation and extrusion through polycarbonate membranes (601) 559
- Tapio Palva, E., see Bamford, D.H. (601) 245
- Tarpley, H.L., see Regen, D.M. (601) 500
- Tavassoli, M., Kosower, N.S., Halverson, C., Aoki, M. and Kosower, E.M.
Membrane fusion induced by the membrane mobility agent, A_2C . Differentiation between fusible and non-fusible cells. Transfer of fusibility (601) 544
- Tettamanti, G., see Masserini, M. (601) 282
- Ting-Beall, H.P., see McIntosh, T.J. (601) 289
- Tosteson, D.C., see Benos, D.J. (601) 167
- Tsao, F.H.C.
Specific transfer of dipalmitoyl phosphatidylcholine in rabbit lung (601) 415
- Uhl, R., Kuras, P.V., Anderson, K. and Abrahamson, E.W.
A light scattering study on the ion permeabilities of dark-adapted bovine rod outer segment disk membranes (601) 462
- Vail, W., see Szoka, F., (601) 559
- Vale, M.G.P. and Carvalho, A.P.
Interaction of chemical probes with sarcoplasmic reticulum membranes (601) 620
- Valentine, M.E., see Labelle, E.F. (601) 195
- Valic, M.I., see MacKay, A.L. (601) 22
- Van der Heul, C., Kroos, M.J., De Juij, J., Jaspers, C.M.H. and Van Eijk, H.G.
The uptake of iron by reticulocytes. The influence of the ghosts on iron-containing components in the ghost suspension (601) 572
- Van Eijk, H.G., see Van der Heul, C. (601) 572
- Van Steveninck, J., see Dubbelman, T.M.A.R. (601) 220
- Van Tornout, P., Vercaemst, R., Lievens, M.J., Caster, H., Rosseneu, M. and Assmann, G.
Reassembly of human apoproteins A-I and A-II with unilamellar phosphatidylcholine-cholesterol liposomes. Association kinetics and characterization of the complexes (601) 509
- Vega, F., see Mardh, S. (601) 524
- Vercaemst, R., see Van Tornout, P. (601) 509
- Von Tschärner, V. and Radda, G.K.
A study of changes in surface area and molecular interactions in phospholipid vesicles by condensed phase radioluminescence (601) 63
- Wald, H., see Reynolds, R.A. (601) 92
- Walter, A., see McIntosh, T.J. (601) 289
- Wassall, S.R., see MacKay, A.L. (601) 22
- Weissmann, G., see Korchak, H.M. (601) 180
- Yamamoto, S.-I., see Hayashi, K. (601) 654
- Yeagle, P.L., see Hui, S.W. (601) 271
- Yoneyama, Y., see Black, B.L. (601) 343
- Zahradka, P., see Chefurka, W. (601) 349
- Zampighi, G., see McIntosh, T.J. (601) 289