

AUTHOR INDEX

- Akamatsu, Y., see Kitagawa, T. (815) 25
- Åkerman, K.E.O., see Heinonen, E. (815) 203
- Alecio, M.R., Miller, A. and Watts, A.
Diffraction of X-rays by rippled phosphatidylcholine bilayers (815) 139
- Andersen, J.P. and Møller, J.V.
The role of Mg^{2+} and Ca^{2+} in the simultaneous binding of vanadate and ATP at the phosphorylation site of sarcoplasmic reticulum Ca^{2+} -ATPase (815) 9
- Archakov, A.I., see Manevich, E.M. (815) 455
- Arnold, K., Herrmann, A., Pratsch, L. and Gawrisch, K.
The dielectric properties of aqueous solutions of poly(ethylene glycol) and their influence on membrane structure (815) 515
- Bailey, D.S., see Wall, J.C. (815) 175
- Bakker-Grunwald, T., Löhden, U. and Trissl, D.
Effects of cytochalasin B on Na^+ content and cell volume of *Entamoeba histolytica* (815) 170
- Baldetorp, B., see Eriksson, H. (815) 417
- Barenholz, Y., see Reizer, J. (815) 268
- Bayer, R. and Feigensohn, G.W.
Reconstitution of M13 bacteriophage coat protein. A new strategy to analyze configuration of the protein in the membrane (815) 369
- Baysal, E., see Rice-Evans, C. (815) 426
- Berendsen, W., see Franck, P.F.H. (815) 259
- Bergelson, L.D., see Manevich, E.M. (815) 455
- Berghout, A., Raida, M., Romano, L. and Passow, H.
pH dependence of phosphate transport across the red blood cell membrane after modification by dansyl chloride (815) 281
- Beyers, E.M., see Comfurius, P. (815) 143
- Bezuglov, V.V., see Manevich, E.M. (815) 455
- Bonting, S.L., see Schuurmans Stekhoven, F.M.A.H. (814) 16
- Borghetti, A.F., see Petronini, P.G. (815) 361
- Bramhall, J., see Lee, B. (815) 128
- Brasseur, R., Ruyschaert, J.-M. and Chatelain, P.
Semi-empirical conformational analysis of propranolol interacting with dipalmitoylphosphatidylcholine (815) 341
- Briët, E., see Franck, P.F.H. (815) 259
- Burnett, B.K. and Khorana, H.G.
A rapid and efficient procedure for the purification of mitochondrial β -hydroxybutyrate dehydrogenase (815) 51
- Burnett, B.K., Robson, R.J., Takagaki, Y., Radhakrishnan, R. and Khorana, H.G.
Synthesis of phospholipids containing photoactivatable carbene precursors in the headgroups and their crosslinking with membrane proteins (815) 57
- Carlsen, J., see Christiansen, K. (815) 215
- Casteels, R., see Raeymaekers, L. (815) 441
- Chapman, D., see Johnston, D.S. (815) 325
- Chatelain, P., see Brasseur, R. (815) 341
- Christiansen, K. and Carlsen, J.
Reconstitution of cytochrome b_5 into lipid vesicles in a form which is nonsusceptible to attack by carboxypeptidase Y (815) 215
- Comfurius, P., Beyers, E.M. and Zwaal, R.F.A.
The involvement of cytoskeleton in the regulation of transbilayer movement of phospholipids in human blood platelets (815) 143
- Coppard, E., see Johnston, D.S. (815) 325
- De Groot, H., Noll, T. and Tölle, T.
Loss of latent activity of liver microsomal membrane enzymes evoked by lipid peroxidation. Studies of nucleoside diphosphatase, glucose-6-phosphatase, and UDPglucuronyltransferase (815) 91
- DeLisi, C., see Klein, P. (815) 468
- De Pont, J.J.H.M., see Schuurmans Stekhoven, F.M.A.H. (815) 16
- Devaux, P.F., see Zachowski, A. (815) 510
- Di Lisa, F., see Toninello, A. (815) 399
- Ducis, I. and Whittaker, V.P.
High-affinity, sodium-gradient-dependent transport of choline into vesiculated presynaptic plasma membrane fragments from the electron organ of *Torpedo marmorata* and reconstitution of the solubilized transporter into liposomes (815) 109
- Enelow, R.I., see Larsen, N.E. (815) 1
- Eriksson, H., Baldetorp, B., Mattiasson, B. and Sjögren, H.-O.
A sensitive method to introduce membrane-bound proteins into recipient cells based on affinity enrichment of lipid vesicles to the recipient cell prior to fusion (815) 417
- Erin, A.N., Skrypin, V.V. and Kagan, V.E.
Formation of α -tocopherol complexes with fatty acids. Nature of complexes (815) 209
- Esmann, M.
Occlusion of Rb^+ by detergent-solubilized $(Na^+ + K^+)$ -ATPase from shark salt glands (815) 196
- Evenberg, D., Versluis, R. and Lugtenberg, B.
Biochemical and immunological characterization of the cell surface of the fish pathogenic bacterium *Aeromonas salmonicida* (815) 233
- Evered, D.F., see Hunjan, M.K. (815) 184
- Feigensohn, G.W., see Bayer, R. (815) 369

- Fellmann, P., see Zachowski, A. (815) 510
 Fischer, K., see Petzinger, E. (815) 334
 Flüge, U.I.
 Hydrodynamic properties of the Triton X-100-solubilized chloroplast phosphate translocator (815) 299
 Franck, P.F.H., Op den Kamp, J.A.F., Lubin, B., Berendsen, W., Joosten, P., Briët, E., Van Deenen, L.L.M. and Roelofsen, B.
 Abnormal transbilayer mobility of phosphatidylcholine in hereditary pyroplakocytosis reflects the increased heat sensitivity of the membrane skeleton (815) 259
 Frangopol, M., see Morariu, V.V. (815) 189
 Frangopol, P.T., see Morariu, V.V. (815) 189
 Fuggi, A.
 Mechanism of proton-linked nitrate uptake in *Cyanidium caldarium*, an acidophilic non-vacuolated alga (815) 392
 Fuhrmann, G.F., see Shields, M. (815) 223
- Gandolfi, S.A., see Petronini, P.G. (815) 361
 Gawrisch, K., see Arnold, K. (815) 515
 Gietzen, K., see Hymel, L. (815) 461
 Grosescu, R., see Morariu, V.V. (815) 189
 Grossowicz, N., see Reizer, J. (815) 268
 Grygorczyk, R., see Shields, M. (815) 223
 Gukovskaya, A.S. and Zinchenko, V.P.
 The effects of ionophore A23187 and concanavalin A on the membrane potential of human peripheral blood lymphocytes and rat thymocytes (815) 433
- Haugland, R., see Speizer, L. (815) 75
 Hester, P., see Wassall, S.R. (815) 519
 Heinonen, E., Åkerman, K.E.O., Kaila, K. and Scott, I.G.
 Dependence of cytoplasmic calcium transients on the membrane potential in isolated nerve endings of the guinea pig (815) 203
 Herrmann, A., see Arnold, K. (815) 515
 Himukai, M., see Yoshioka, K. (815) 499
 Hochstein, P., see Rice-Evans, C. (815) 426
 Hunjan, M.K. and Evered, D.F.
 Absorption of glutathione from the gastro-intestinal tract (815) 184
 Hussain, M.M.
 Reconstitution of purified dipeptidyl peptidase IV. A comparison with aminopeptidase N with respect to morphology and influence of anchoring peptide on function (815) 306
 Hymel, L., Nielsen, M. and Gietzen, K.
 Target sizes of human erythrocyte membrane Ca^{2+} -ATPase and Mg^{2+} -ATPase activities in the presence and absence of calmodulin (815) 461
 Inoue, T., Kamaya, H. and Ueda, I.
 Alcohol effects on rapid kinetics of water transport through lipid membranes and location of the main barrier (815) 68
 Ionescu, M.S., see Morariu, V.V. (815) 189
 Iwashima, A., see Yoshioka, K. (815) 499
- Jacobson, E.A., see Johnstone, S.A. (815) 159
 Johnson, L.W. and Smith, C.H.
 Glucose transport across the basal plasma membrane of human placental syncytiotrophoblast (815) 44
- Johnston, D.S., Coppard, E. and Chapman, D.
 A Langmuir film balance study of the interactions of ionic and polar solutes with glycolipid monolayers (815) 325
 Johnstone, S.A., Schurch, S., McIver, D.J.L., Jacobson, E.A. and Tustanoff, E.R.
 Membrane glycoprotein and surface free energy changes in hypoxic fibroblast cells (815) 159
 Joosten, P., see Franck, P.F.H. (815) 259
- Kagan, V.E., see Erin, A.N. (815) 209
 Kaila, K., see Heinonen, E. (815) 203
 Kamaya, H., see Inoue, T. (815) 68
 Kanehisa, M., see Klein, P. (815) 468
 Kempson, S.A.
 Effects of fasting compared to low phosphorus diet on the kinetics of phosphate transport by renal brush-border membranes (815) 85
 Khorana, H.G., see Burnett, B.K. (815) 51
 Khorana, H.G., see Burnett, B.K. (815) 57
 King, R.G. and Sharp, J.A.
 Choline transport across a carbon tetrachloride phase containing a chloroform-methanol extract of brain (815) 505
 Kitagawa, T. and Akamatsu, Y.
 Reciprocal effects of phenothiazines and naphthalene sulfonamides on the external ATP-dependent permeability change in Chinese hamster ovary cells (815) 25
 Klein, P., Kanehisa, M. and DeLisi, C.
 The detection and classification of membrane-spanning proteins (815) 468
 Koynova, R.D., see Tenchov, B.G. (815) 380
 Kutchai, H., see Speizer, L. (815) 75
- Lakin, K.M., see Manevich, E.M. (815) 455
 Larsen, N.E., Enelow, R.I., Simons, E.R. and Sullivan, R.
 Effect of bacterial endotoxin on the transmembrane electrical potential and plasma membrane fluidity of human monocytes (815) 1
 Lee, A.G., see Stubbs, C.D. (815) 351
 Lee, B., McKenna, K. and Bramhall, J.
 Kinetic studies of human erythrocyte membrane resealing (815) 128
 Li, V.S., see Manevich, E.M. (815) 455
 Löhden, U., see Bakker-Grunwald, T. (815) 170
 Lubin, B., see Franck, P.F.H. (815) 259
 Lugtenberg, B., see Evenberg, D. (815) 233
 Lupu, M., see Morariu, V.V. (815) 189
- Maget-Dana, R., Ptak, M., Peypoux, F. and Michel, G.
 Pore-forming properties of iturin A, a lipopeptide antibiotic (815) 405
 Maggio, B.
 Geometric and thermodynamic restrictions for the self-assembly of glycosphingolipid-phospholipid systems (815) 245
 Manevich, E.M., Lakin, K.M., Archakov, A.I., Li, V.S., Molotkovsky, J.G., Bezuglov, V.V. and Bergelson, L.D.
 Influence of cholesterol and prostaglandin E1 on the molecular organization of phospholipids in the erythrocyte membrane. A fluorescent polarization study with lipid-specific probes (815) 455

- Mattiasson, B., see Eriksson, H. (815) 417
- McIver, D.J.L., see Johnstone, S.A. (815) 159
- McKenna, K., see Lee, B. (815) 128
- Meech, S.R., see Stubbs, C.D. (815) 351
- Meiselman, H.J., see Nash, G.B. (815) 477
- Michel, G., see Maget-Dana, R. (815) 405
- Miller, A., see Alecio, M.R. (815) 139
- Møller, J.V., see Andersen, J.P. (815) 9
- Molotkovsky, J.G., see Manevich, E.M. (815) 455
- Morariu, V.V., Ionescu, M.S., Frangopol, M., Grosescu, R., Lupu, M. and Frangopol, P.T.
Nuclear magnetic resonance investigation of human erythrocytes in the presence of manganese ions. Evidence for a thermal transition (815) 189
- Muto, Y. and Nozawa, Y.
 Ca^{2+} transport studied with arsenazo III in *Tetrahymena* microsomes. Effects of calcium ionophore A23187 and tri-fluoperazine (815) 410
- Nash, G.B. and Meiselman, H.J.
Effects of preparative procedures on the volume and content of resealed red cell ghosts (815) 477
- Nielsen, M., see Hymel, L. (815) 461
- Nikolopoulou, M., Soucek, D.A. and Vary, J.C.
Changes in the lipid content of boar sperm plasma membranes during epididymal maturation (815) 486
- Nishimura, H., see Yoshioka, K. (815) 499
- Noll, T., see De Groot, H. (815) 91
- Nozawa, Y., see Muto, Y. (815) 410
- Op den Kamp, J.A.F., see Franck, P.F.H. (815) 259
- Pashby, D.P., see Rice-Evans, C. (815) 426
- Passow, H., see Berghout, A. (815) 281
- Passow, H., see Shields, M. (815) 223
- Penniston, J.T., see Verma, A.K. (815) 135
- Petronini, P.G., Gandolfi, S.A. and Borghetti, A.F.
The effect of intracellular sodium level on the activity of amino acid transport systems L and A in SV40 3T3 cells (815) 361
- Petzinger, E. and Fischer, K.
Transport functions of the liver. Lack of correlation between hepatocellular ouabain uptake and binding to $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ (815) 334
- Peypoux, F., see Maget-Dana, R. (815) 405
- Phillips, D., see Stubbs, C.D. (815) 351
- Pratsch, L., see Arnold, K. (815) 515
- Proulx, P., and Szabo, A.G.
The effect of exogenous glycerophospholipids on the fluorescence polarization ratios of *Escherichia coli* cells labelled with diphenylhexatriene (815) 102
- Ptak, M., see Maget-Dana, R. (815) 405
- Radhakrishnan, R., see Burnett, B.K. (815) 57
- Raeymaekers, L., Wuytack, F. and Casteels, R.
Subcellular fractionation of pig stomach smooth muscle. A study of the distribution of the $(\text{Ca}^{2+} + \text{Mg}^{2+})\text{-ATPase}$ activity in plasmalemma and endoplasmic reticulum (815) 441
- Raida, M., see Berghout, A. (815) 281
- Ramos, J. and Rodriguez-Navarro, A.
Rubidium transport in *Neurospora crassa* (815) 97
- Rawlyer, A. and Siegenthaler, P.A.
Transversal localization of monogalactosyldiacylglycerol and digalactosyldiacylglycerol in spinach thylakoid membrane (815) 287
- Reizer, J., Grossowicz, N. and Barenholz, Y.
The effect of growth temperature on the thermotropic behavior of the membranes of a thermophilic *Bacillus*. Composition-structure-function relationships (815) 268
- Rice-Evans, C., Baysal, E., Pashby, D.P. and Hochstein, P.
t-Butyl hydroperoxide-induced perturbations of human erythrocytes as a model for oxidant stress (815) 426
- Richarme, G.
5-Methoxyindole-2-carboxylic acid a potent inhibitor of binding protein dependent transport in *Escherichia coli* (815) 37
- Robson, R.J., see Burnett, B.K. (815) 57
- Rodriguez-Navarro, A., see Ramos, J. (815) 97
- Roelofsen, B., see Franck, P.F.H. (815) 259
- Romano, L., see Berghout, A. (815) 281
- Ruysschaert, J.-M., see Brasseur, R. (815) 341
- Sakurai, I.
Concentration gradient along the long axis of myelin figures of phosphatidylcholine (815) 149
- Schurch, S., see Johnstone, S.A. (815) 159
- Schuurmans Stekhoven, F.M.A.H., Swarts, H.G.P., De Pont, J.J.H.H.M. and Bonting, S.L.
 Na^+ -like effect of imidazole on the phosphorylation of $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ (815) 16
- Schwarz, W., see Shields, M. (815) 223
- Scott, I.G., see Heinonen, E. (815) 203
- Seelig, A. and Seelig, J.
Phospholipid composition and organization of cytochrome *c* oxidase preparations as determined by ^{31}P -nuclear magnetic resonance (815) 153
- Seelig, J., see Seelig, A. (815) 153
- Sharp, J.A., see King, R.G. (815) 505
- Shields, M., Grygorczyk, R., Fuhrmann, G.F., Schwarz, W. and Passow, H.
Lead-induced activation and inhibition of potassium-selective channels in the human red blood cell (815) 223
- Siegenthaler, P.A., see Rawlyer, A. (815) 287
- Siliprandi, D., see Toninello, A. (815) 399
- Siliprandi, N., see Toninello, A. (815) 399
- Simons, E.R., see Larsen, N.E. (815) 1
- Sjögren, H.-O., see Eriksson, H. (815) 417
- Skrypin, V.V., see Erin, A.N. (815) 209
- Smith, C.H., see Johnson, L.W. (815) 44
- Soucek, D.A., see Nikolopoulou, M. (815) 486
- Speizer, L., Haugland, R. and Kutchai, H.
Asymmetric transport of a fluorescent glucose analogue by human erythrocytes (814) 75
- Stampe, P. and Vestergaard-Bogind, B.
The Ca^{2+} -sensitive K^+ -conductance of the human red cell membrane is strongly dependent on cellular pH (815) 313

- Stillwell, W., see Wassall, S.R. (815) 519
- Stubbs, C.D., Meech, S.R., Lee, A.G. and Phillips, D.
Solvent relaxation in lipid bilayers with dansyl probes (815) 351
- Sullivan, R., see Larsen, N.E. (815) 1
- Swarts, H.G.P., see Schuurmans Stekhoven, F.M.A.H. (815) 16
- Szabo, A.G., see Proulx, P. (815) 102
- Takagaki, Y., see Burnett, B.K. (815) 57
- Tenchoy, B.G. and Koynova, R.D.
The effect of nonideal lateral mixing on the transmembrane lipid asymmetry (815) 380
- Tölle, T., see De Groot, H. (815) 91
- Toninello, A., Di Lisa, F., Siliprandi, D. and Siliprandi, N.
Uptake of spermine by rat liver mitochondria and its influence on the transport of phosphate (815) 399
- Trissl, D., see Bakker-Grunwald, T. (815) 170
- Tustanoff, E.R., see Johnstone, S.A. (815) 159
- Ueda, I., see Inoue, T. (815) 68
- Van Deenen, L.L.M., see Franck, P.F.H. (815) 259
- Vary, J.C., see Nikolopoulou, M. (815) 486
- Verma, A.K. and Penniston, J.T.
Evidence against involvement of the human erythrocyte plasma membrane Ca^{2+} -ATPase in Ca^{2+} -dependent K^{+} transport (815) 135
- Versluis, R., see Evenberg, D. (815) 233
- Vestergaard-Bogind, B., see Stampe, P. (815) 313
- Wall, J.C. and Bailey, D.S.
Two-dimensional isoelectric focussing/sodium dodecyl sulphate polyacrylamide gel electrophoretic mapping and some molecular characteristics of the proteins of the adult guinea-pig small intestinal microvillus membrane (815) 175
- Wassall, S.R., Hester, P. and Stillwell, W.
Abscisic acid increases lipid bilayer permeability to cations as studied by phosphorus-31 NMR (815) 519
- Watts, A., see Alecio, M.R. (815) 139
- Whittaker, V.P., see Ducis, I. (815) 109
- Wuytack, F., see Raeymaekers, L. (815) 441
- Yeagle, P.L.
Lanosterol and cholesterol have different effects on phospholipid acyl chain ordering (815) 33
- Yoshioka, K., Nishimura, H., Himukai, M. and Iwashima, A.
The inhibitory effect of choline and other quaternary ammonium compounds on thiamine transport in isolated rat hepatocytes (815) 499
- Zachowski, A., Fellmann, P. and Devaux, P.F.
Absence of transbilayer diffusion of spin-labeled sphingomyelin on human erythrocytes. Comparison with the diffusion of several spin-labeled glycerophospholipids (815) 510
- Zinchenko, V.P., see Gukovskaya, A.S. (815) 433
- Zwaal, R.F.A., see Comfurius, P. (815) 143