

AUTHOR INDEX

- Albrecht, A.-M., see Lazrak, T. (903) 132
- Alvarez, J. and García-Sancho, J.
An estimate of the number of Ca^{2+} -dependent K^+ channels in the human red cell (903) 543
- Alving, C.R., see Fogler, W.E. (903) 265
- Alving, C.R., see Richardson, E.C. (903) 519
- Amar, M., see Dagher, G. (903) 218
- Amiel, C., see Friedlander, G. (903) 341
- Apell, H.-J. and Bersch, B.
Oxonol VI as an optical indicator for membrane potentials in lipid vesicles (903) 480
- Aramaki, Y., see Takahashi, M. (903) 31
- Arienti, G., see Corazzi, L. (903) 277
- Armstrong, W.M., see Lyall, V. (903) 56
- Atkins, G.L., see Thomson, A.B.R. (903) 229
- Babin, Y., D'Amour, J., Pigeon, M. and Pézolet, M.
A study of the structure of polymyxin B-dipalmitoylphosphatidylglycerol complexes by vibrational spectroscopy (903) 78
- Barry, J.A., see Harig, J.M. (903) 358
- Batenburg, A.M., Hibbeln, J.C.L. and De Kruijff, B.
Lipid specific penetration of melittin into phospholipid model membranes (903) 155
- Batenburg, A.M., Hibbeln, J.C.L., Verkleij, A.J. and De Kruijff, B.
Melittin induces H_{II} phase formation in cardiolipin model membranes (903) 142
- Bear, C.E., Davison, J.S. and Shaffer, E.A.
Sodium-dependent taurocholate uptake by isolated rat hepatocytes occurs through an electrogenic mechanism (903) 388
- Bersch, B., see Apell, H.-J. (903) 480
- Beyers, E.M., Verhallen, P.F.J., Linskens, W.M.A., Comfurius, P. and Zwaal, R.F.A.
Loss of phospholipid asymmetry in dilauroylphosphatidylcholine induced plasma membrane vesicles from human platelets (903) 197
- Beyers, E.M., see Verhallen, P.F.J. (903) 206
- Bonincontro, A., Cametti, C., Hausman, R.E., Indovina, P.L. and Santini, M.T.
Changes in myoblast membrane electrical properties during cell-cell adhesion and fusion in vitro (903) 89
- Boyantov, A.I., see Koynova, R.D. (903) 186
- Brasseur, R., Killian, J.A., De Kruijff, B. and Ruyschaert, J.M.
Conformational analysis of gramicidin-gramicidin interactions at the air/water interface suggests that gramicidin aggregates into tube-like structures similar as found in the gramicidin-induced hexagonal H_{II} phase (903) 11
- Braun, H.P.
The transport of hydrophobic ions across lipid bilayers (903) 292
- Büchner, K.-H., Walter, L. and Zimmermann, U.
Influence of anaesthetics on the movement of the mobile charges in the algal cell membrane of *Valonia utricularis* (903) 241
- Cametti, C., see Bonincontro, A. (903) 89
- Cardin, A.D., see Epps, D.E. (903) 533
- Charalambous, B.M. and Wheeler, K.P.
Sodium ions protect a membrane transport protein from proteolysis (903) 441
- Comfurius, P., see Beyers, E.M. (903) 197
- Comfurius, P., see Verhallen, P.F.J. (903) 206
- Corazzi, L. and Arienti, G.
Factors affecting the reaggregation of rat brain microsomes solubilized with octyl glucoside and their relationship with the base-exchange activity of reagggregates (903) 277
- Corcelli, A., see Scalera, V. (903) 1
- Cragoe Jr., E.J., see Davies, T.A. (903) 381
- Croxton, T.L., see Lyall, V. (903) 56
- Dagher, G., Amar, M. and Khefif, A.
Red blood cells Ca^{2+} pump is not altered in essential hypertension of humans and Kyoto rats (903) 218
- D'Amour, J., see Babin, Y. (903) 78
- Davies, T.A., Katona, E., Vasilescu, V., Cragoe Jr., E.J. and Simons, E.R.
Sequential sodium-proton exchange in thrombin-induced human platelets (903) 381
- Davison, J.S., see Bear, C.E. (903) 388
- De Kruijff, B., see Batenburg, A.M. (903) 142
- De Kruijff, B., see Batenburg, A.M. (903) 155
- De Kruijff, B., see Brasseur, R. (903) 11
- Demura, M., Kamo, N. and Kobatake, Y.
Binding of lipophilic cations to the liposomal membrane: thermodynamic analysis (903) 303
- De Pont, J.J.H.H.M., see Skrabanja, A.T.P. (903) 434
- De Pont, J.J.H.H.M., see Swarts, H.G.P. (903) 525
- Dinda, M., see Hicks, A. (903) 177
- Dodd, N.J.F., see Morgan, C.G. (903) 495
- Donovan, J.J., see Shiver, J.W. (903) 48
- Dorset, D.L. and Massalski, A.K.
Co-solubility in binary phospholipid crystals (903) 319
- East, J.M., see Napier, R.M. (903) 365
- East, J.M., see Napier, R.M. (903) 374
- Epps, D.E. and Cardin, A.D.
The interaction of *N*-oleylethanolamine with phospholipid bilayers (903) 533

- Favilli, F., see Vincenzini, M.T. (903) 273
- Fernández-Belda, F. and Gómez-Fernández, J.C.
Effect of the calcium-channel blockers on calcium accumulation in sarcoplasmic reticulum of skeletal muscle (903) 473
- Fogler, W.E., Swartz Jr., G.M. and Alving, C.R.
Antibodies to phospholipids and liposomes: binding of antibodies to cells (903) 265
- Frassanito, A., see Scalera, V. (903) 1
- Friedlander, G., Le Grimellec, C., Giocondi, M.-C. and Amiel, C.
Benzyl alcohol increases membrane fluidity and modulates cyclic AMP synthesis in intact renal epithelial cells (903) 341
- Fujiwara, Y., see Kuroda, Y. (903) 395
- Gadella Jr., T.W.J., see Van Paridon, P.A. (903) 68
- García-Sancho, J., see Alvarez, J. (903) 543
- Gardner, M.L.G., see Thomson, A.B.R. (903) 229
- Gasnier, B.
Characterization of low- and high-affinity glucose transports in the yeast *Kluyveromyces marxianus* (903) 425
- George, R., Lewis, R.N.A.H. and McElhaney, R.N.
Reconstitution of the purified ($\text{Na}^+ + \text{Mg}^{2+}$)-ATPase from *Acholeplasma laidlawii* B membranes into lipid vesicles and a characterization of the resulting proteoliposomes (903) 283
- Gervais, M., see Lawaczeck, R. (903) 112
- Gibrat, R., see Grouzis, J.-P. (903) 449
- Giocondi, M.-C., see Friedlander, G. (903) 341
- Gómez-Fernández, J.C., see Fernández-Belda, F. (903) 473
- Grignon, C., see Grouzis, J.-P. (903) 449
- Grouzis, J.-P., Gibrat, R., Rigaud, J. and Grignon, C.
Study of sidedness and tightness to H^+ of corn root plasmalemma vesicles: preparation of a fraction enriched in inside-out vesicles (903) 449
- Harig, J.M., Rajendran, V.M., Barry, J.A. and Ramaswamy, K.
Transport characteristics of L-glutamate in human jejunal brush-border membrane vesicles (903) 358
- Hart, J.S., see Horne, III, M.K. (903) 349
- Hausman, R.E., see Bonincontro, A. (903) 89
- Heckl, W.M., Zaba, B.N. and Möhwald, H.
Interactions of cytochromes b_5 and c with phospholipid monolayers (903) 166
- Hibbeln, J.C.L., see Batenburg, A.M. (903) 142
- Hibbeln, J.C.L., see Batenburg, A.M. (903) 155
- Hicks, A., Dinda, M. and Singer, M.A.
The ripple phase of phosphatidylcholines: effect of chain length and cholesterol (903) 177
- Horne, III, M.K. and Hart, J.S.
Cytochalasin inhibition of hexose transport by platelets (903) 349
- Iantomasi, T., see Vincenzini, M.T. (903) 273
- Ikemoto, N., see Kim, H.W. (903) 333
- Inaba, A., see Takahashi, M. (903) 31
- Indovina, P.L., see Bonincontro, A. (903) 89
- Joseph, M., see Nagaraj, R. (903) 465
- Kamo, N., see Demura, M. (903) 303
- Kashiwagura, T., Sakurai, K. and Takeguchi, N.
Physiological assay of liposome-mediated transport of a drug across *Xenopus* intestine: cell-liposome interaction (903) 248
- Kato, H., see Suzuki, Y. (903) 417
- Katona, E., see Davies, T.A. (903) 381
- Khefif, A., see Dagher, G. (903) 218
- Killian, J.A., see Brasseur, R. (903) 11
- Kim, D.H., see Kim, H.W. (903) 333
- Kim, H.W., Kim, D.H., Ikemoto, N. and Kranias, E.G.
Lack of effects of calcium-calmodulin-dependent phosphorylation on Ca^{2+} release from cardiac sarcoplasmic reticulum (903) 333
- Kobatake, Y., see Demura, M. (903) 303
- Kobayashi, M., Shoji, N. and Ohizumi, Y.
Gingerol, a novel cardiotonic agent, activates the Ca^{2+} -pumping ATPase in skeletal and cardiac sarcoplasmic reticulum (903) 96
- Koschel, K., see Tas, P.W.L. (903) 411
- Koynova, R.D., Boyanov, A.I. and Tenchov, B.G.
Gel-state metastability and nature of the azeotropic points in mixtures of saturated phosphatidylcholines and fatty acids (903) 186
- Kranias, E.G., see Kim, H.W. (903) 333
- Kress, H.G., see Tas, P.W.L. (903) 411
- Kuroda, Y. and Fujiwara, Y.
Locations and dynamical perturbations for lipids of cationic forms of procaine, tetracaine, and dibucaine in small unilamellar phosphatidylcholine vesicles as studied by nuclear Overhauser effects in ^1H nuclear magnetic resonance spectroscopy (903) 395
- Lawaczeck, R., Gervais, M., Nandi, P.K. and Nicolau, C.
Fusion of negatively charged liposomes with clathrin-uncoated vesicles (903) 112
- Lawaczeck, R., Nandi, P.K. and Nicolau, C.
Interaction of negatively charged liposomes with nuclear membranes: adsorption, lipid mixing and lysis of the vesicles (903) 123
- Lazrak, T., Milon, A., Wolff, G., Albrecht, A.-M., Miehé, M., Ourisson, G. and Nakatani, Y.
Comparison of the effects of inserted C_{40} - and C_{50} -terminally dihydroxylated carotenoids on the mechanical properties of various phospholipid vesicles (903) 132
- Lee, A.G., see Napier, R.M. (903) 365
- Lee, A.G., see Napier, R.M. (903) 374
- Lee, J.W. and Vidaver, G.A.
Transport and control of Ca^{2+} by pigeon erythrocytes. III. A 'paradoxical' expulsion of Ca^{2+} induced by a low dose of A23187 at 0°C (903) 257
- Le Grimellec, C., see Friedlander, G. (903) 341
- Lewis, R.N.A.H., see George, R. (903) 283
- Lieberman, D.M., Nattriss, M. and Reithmeier, R.A.F.
Carboxypeptidase Y digestion of band 3, the anion transport protein of human erythrocyte membranes (903) 37

- Linskens, W.M.A., see Bevers, E.M. (903) 197
- Lowe, A.G. and Walmsley, A.R.
A single half-turnover of the glucose carrier of the human erythrocyte (903) 547
- Lyall, V., Croxton, T.L. and Armstrong, W.M.
Measurement of intracellular chloride activity in mouse liver slices with microelectrodes (903) 56
- McElhaney, R.N., see George, R. (903) 283
- Massa, P.T., see Tas, P.W.L. (903) 411
- Massalski, A.K., see Dorset, D.L. (903) 319
- Matsumoto, M., see Suzuki, Y. (903) 417
- Miehé, M., see Lazrak, T. (903) 132
- Milon, A., see Lazrak, T. (903) 132
- Mitchell, A.C., see Morgan, C.G. (903) 504
- Möhwald, H., see Heckl, W.M. (903) 166
- Morgan, C.G., Sandhu, S.S., Yianni, Y.P. and Dodd, N.J.F.
The phase behaviour of dispersions of Bis-Azo PC: photo-regulation of bilayer dynamics via lipid photochromism (903) 495
- Morgan, C.G., Thomas, E.W., Sandhu, S.S., Yianni, Y.P. and Mitchell, A.C.
Light-induced fusion of liposomes with release of trapped marker dye is sensitised by photochromic phospholipid (903) 504
- Murayama, J.-i., see Suzuki, Y. (903) 417
- Nagao, Y., see Suzuki, Y. (903) 417
- Nagaraj, R., Joseph, M. and Reddy, G.L.
Perturbation of the lipid bilayer of model membranes by synthetic signal peptides (903) 465
- Nakatani, Y., see Lazrak, T. (903) 132
- Nandi, P.K., see Lawaczeck, R. (903) 112
- Nandi, P.K., see Lawaczeck, R. (903) 123
- Napier, R.M., East, J.M. and Lee, A.G.
State of aggregation of the $(\text{Ca}^{2+} + \text{Mg}^{2+})$ -ATPase studied using saturation-transfer electron spin resonance (903) 365
- Napier, R.M., East, J.M. and Lee, A.G.
State of aggregation of the $(\text{Ca}^{2+} + \text{Mg}^{2+})$ -ATPase studied using chemical cross-linking (903) 374
- Natiriss, M., see Lieberman, D.M. (903) 37
- Nicolau, C., see Lawaczeck, R. (903) 112
- Nicolau, C., see Lawaczeck, R. (903) 123
- Nir, S., Stutzin, A. and Pollard, H.B.
Effect of synexin on aggregation and fusion of chromaffin granule ghosts at pH 6 (903) 309
- Ohizumi, Y., see Kobayashi, M. (903) 96
- Ourisson, G., see Lazrak, T. (903) 132
- Pézolet, M., see Babin, Y. (903) 78
- Pigeon, M., see Babin, Y. (903) 78
- Plagemann, P.G.W., see Woffendin, C. (903) 18
- Poduslo, S.E., see Schmelzer, C.H. (903) 103
- Pollard, H.B., see Nir, S. (903) 309
- Rajendran, V.M., see Harig, J.M. (903) 358
- Ramaswamy, K., see Harig, J.M. (903) 358
- Reddy, G.L., see Nagaraj, R. (903) 465
- Reithmeier, R.A.F., see Lieberman, D.M. (903) 37
- Richardson, E.C. and Alving, C.R.
Radioprotective effects of lipid A, liposomes, and liposomes containing lipid A in mice (903) 519
- Rigaud, J., see Grouzis, J.-P. (903) 449
- Ruysschaert, J.M., see Brasseur, R. (903) 11
- Sakurai, K., see Kashiwagura, T. (903) 248
- Sandhu, S.S., see Morgan, C.G. (903) 495
- Sandhu, S.S., see Morgan, C.G. (903) 504
- Santini, M.T., see Bonincontro, A. (903) 89
- Scalera, V., Corcelli, A., Frassanito, A. and Storelli, C.
Chloride dependence of the sodium-dependent glycine transport in pig kidney cortex brush-border membrane vesicles (903) 1
- Schmelzer, C.H. and Poduslo, S.E.
Glycoproteins in the whorls of membrane produced by oligodendroglia in culture (903) 103
- Schuermans Stekhoven, F.M.A.H., see Swarts, H.G.P. (903) 525
- Shaffer, E.A., see Bear, C.E. (903) 388
- Shiver, J.W. and Donovan, J.J.
Interactions of diphtheria toxin with lipid vesicles: determinants of ion channel formation (903) 48
- Shoji, N., see Kobayashi, M. (903) 96
- Simons, E.R., see Davies, T.A. (903) 381
- Singer, M.A., see Hicks, A. (903) 177
- Skrabanja, A.T.P., Van der Hijden, H.T.W.M. and De Pont, J.J.H.H.M.
Transport ratios of reconstituted $(\text{H}^{+} + \text{K}^{+})$ -ATPase (903) 434
- Somerharju, P.J., see Van Paridon, P.A. (903) 68
- Stio, M., see Vincenzini, M.T. (903) 273
- Storelli, C., see Scalera, V. (903) 1
- Stutzin, A., see Nir, S. (903) 309
- Suzuki, T., see Suzuki, Y. (903) 417
- Suzuki, Y., Nagao, Y., Kato, H., Suzuki, T., Matsumoto, M. and Murayama, J.-i.
The hemagglutinins of the human influenza viruses A and B recognize different receptor microdomains (903) 417
- Swarts, H.G.P., Zwartjes, H.A.H.T., Schuermans Stekhoven, F.M.A.H. and De Pont, J.J.H.H.M.
 Pb^{2+} and imidazole-activated phosphorylation by ATP of $(\text{Na}^{+} + \text{K}^{+})$ -ATPase (903) 525
- Swartz Jr., G.M., see Fogler, W.E. (903) 265
- Takahashi, M., Aramaki, Y., Inaba, A. and Tsuchiya, S.
Inhibition of alkaline phosphatase activity and D-glucose uptake in rat renal brush-border membrane vesicles by aminoglycosides (903) 31
- Takeguchi, N., see Kashiwagura, T. (903) 248
- Tas, P.W.L., Massa, P.T., Kress, H.G. and Koschel, K.
Characterization of an $\text{Na}^{+}/\text{K}^{+}/\text{Cl}^{-}$ co-transport in primary cultures of rat astrocytes (903) 411
- Tenchov, B.G., see Koynova, R.D. (903) 186
- Thomas, E.W., see Morgan, C.G. (903) 504
- Thomson, A.B.R., Gardner, M.L.G. and Atkins, G.L.

- Alternate models for shared carriers or a single maturing carrier in hexose uptake into rabbit jejunum in vitro (903) 229
- Treves, C., see Vincenzini, M.T. (903) 273
- Tsuchiya, S., see Takahashi, M. (903) 31
- Van der Hijden, H.T.W.M., see Skrabanja, A.T.P. (903) 434
- Vanni, P., see Vincenzini, M.T. (903) 273
- Van Paridon, P.A., Gadella Jr., T.W.J., Somerharju, P.J. and Wirtz, K.W.A.
On the relationship between the dual specificity of the bovine brain phosphatidylinositol transfer protein and membrane phosphatidylinositol levels (903) 68
- Vasilescu, V., see Davies, T.A. (903) 381
- Verhallen, P.F.J., Bevers, E.M., Comfurius, P. and Zwaal, R.F.A.
Correlation between calpain-mediated cytoskeletal degradation and expression of platelet procoagulant activity. A role for the platelet membrane-skeleton in the regulation of membrane lipid asymmetry? (903) 206
- Verhallen, P.F.J., see Bevers, E.M. (903) 197
- Verkleij, A.J., see Batenburg, A.M. (903) 142
- Vidaver, G.A., see Lee, J.W. (903) 257
- Vincenzini, M.T., Iantomasi, T., Stio, M., Treves, C., Favilli, F. and Vanni, P.
1-*O*-*n*-Octyl- β -D-glucopyranoside as a competitive inhibitor of Na⁺-dependent D-glucose cotransporter in the small intestine brush-border membrane (903) 273
- Walmsley, A.R., see Lowe, A.G. (903) 547
- Walter, L., see Büchner, K.-H. (903) 241
- Wheeler, K.P., see Charalambous, B.M. (903) 441
- Wirtz, K.W.A., see Van Paridon, P.A. (903) 68
- Woffendin, C. and Plagemann, P.G.W.
Nucleoside transporter of pig erythrocytes. Kinetic properties, isolation and reaction with nitrobenzylthioinosine and dipyridamole (903) 18
- Wolff, G., see Lazrak, T. (903) 132
- Yianni, Y.P., see Morgan, C.G. (903) 495
- Yianni, Y.P., see Morgan, C.G. (903) 504
- Zaba, B.N., see Heckl, W.M. (903) 166
- Ziegler, K.
Evidence for glycoprotein components of the hepatocellular bile acid transporter (903) 510
- Zimmermann, U., see Büchner, K.-H. (903) 241
- Zwaal, R.F.A., see Bevers, E.M. (903) 197
- Zwaal, R.F.A., see Verhallen, P.F.J. (903) 206
- Zwartjes, H.A.H.T., see Swarts, H.G.P. (903) 525