

Author Index

- Alonso-Romanowski, S., see Arias, H.R. (1190) 393
- Anner, B.M., see Hussain, S. (1190) 402
- Antunes-Madeira, M.C., Videira, R.A. and Madeira, V.M.C.
Effects of parathion on membrane organization and its implications for the mechanisms of toxicity (1190) 149
- Arbuzova, A., Korte, T., Müller, P. and Herrmann, A.
On the validity of lipid dequenching assays for estimating virus fusion kinetics (1190) 360
- Arese, P., see Turrini, F. (1190) 297
- Arias, H.R., Alonso-Romanowski, S., Disalvo, E.A. and Barrantes, F.J.
Interaction of merocyanine 540 with nicotinic acetylcholine receptor membranes from *Discopyge ischudii* electric organ (1190) 393
- Asami, K. and Takashima, S.
Membrane admittance of cloned muscle cells in culture: use of a micropipet technique (1190) 129
- Askari, A., see Huang, W.-h. (1190) 108
- Backlund, B.-M., Wikander, G., Peeters, T.L. and Gräslund, A.
Induction of secondary structure in the peptide hormone motilin by interaction with phospholipid vesicles (1190) 337
- Bailey, P.D., see Helliwell, P.A. (1190) 430
- Ballarin-Denti, A., Slayman, C.L. and Kuroda, H.
Small lipid-soluble cations are not membrane voltage probes for *Neurospora* or *Saccharomyces* (1190) 43
- Ballarin-Denti, A., see Slayman, C.L. (1190) 57
- Bamberg, K., Nylander, S., Helander, K.G., Lundberg, L.G., Sachs, G. and Helander, H.F.
In situ hybridization of mRNA for the gastric H⁺, K⁺-ATPase in rat oxyntic mucosa (1190) 355
- Barber, K.R., Hamilton, K.S., Rigby, A.C. and Grant, C.W.M.
Behaviour of complex oligosaccharides at a bilayer membrane surface: probed by ²H-NMR (1190) 376
- Barrantes, F.J., see Arias, H.R. (1190) 393
- Bassé, F., Gaffet, P. and Bienvenüe, A.
Correlation between inhibition of cytoskeleton proteolysis and anti-vesiculation effect of calpeptin during A23187-induced activation of human platelets: are vesicles shed by filopod fragmentation? (1190) 217
- Belágyi, J., Török, B. and Pótló, L.
Free radical reactions of MTDQ and its effect on biological membrane (1190) 123
- Belehradek Jr., J., Orlowski, S., Ramirez, L.H., Pron, G., Poddevin, B. and Mir, L.M.
Electropermeabilization of cells in tissues assessed by the qualitative and quantitative electroloading of bleomycin (1190) 155
- Béliveau, R., see Delisle, M.-C. (1190) 289
- Béliveau, R., see Milner, H.E. (1190) 185
- Bianco, I.D., see Maggio, B. (1190) 137
- Bienvenüe, A., see Bassé, F. (1190) 217
- Bikle, D.D., see Kaune, R. (1190) 329
- Bittman, R., see Slotte, J.P. (1190) 435
- Blazer-Yost, B.L., see Coupaye-Gerard, B. (1190) 449
- Boyd, C.A.R., see Helliwell, P.A. (1190) 430
- Boyer, C., see Delisle, M.-C. (1190) 289
- Boyer, C.S., Neve, E.P.A., Moore, G.A. and Moldéus, P.
Effect of mitochondrial protein concentration on the efficiency of outer membrane removal by the cholesterol-selective detergent digitonin (1190) 304
- Brandenburg, K., see Wiese, A. (1190) 231
- Brezesinski, G., see Meyer, H.W. (1190) 9
- Briere, K., see Hamilton, K.S. (1190) 367
- Bronk, J.R., see Helliwell, P.A. (1190) 430
- Buiting, A.M.J., see Litzinger, D.C. (1190) 99
- Butko, P., see Hapala, I. (1190) 40
- Butterworth, P.J., see Younus, M.J. (1190) 444
- Cappadoro, M., see Turrini, F. (1190) 297
- Chiou, J.-S., see Ueda, I. (1190) 421
- Coupaye-Gerard, B., Kim, H.J., Singh, A. and Blazer-Yost, B.L.
Differential effects of brefeldin A on hormonally regulated Na⁺ transport in a model renal epithelial cell line (1190) 449
- De Arcuri, B.F., see Pedersen, J.Z. (1190) 177
- Del Castillo-Olivares, A., see Medina, M.A. (1190) 20
- Delisle, M.-C., Boyer, C., Vachon, V., Giroux, S. and Béliveau, R.
Immunodetection and characterization of proteins implicated in renal sodium/phosphate cotransport (1190) 289
- Demel, R., Lindblom, G. and Rilfors, L.
Packing of a triacylglycerolipid from the membrane of *Acholeplasma laidlawii* strain A at the air/water interface (1190) 416
- Disalvo, E.A., see Arias, H.R. (1190) 393
- Ebel, H., see Wagner, S. (1190) 309
- Ehrenfeld, J., see Ratcliff, F.G. (1190) 248
- Fidelio, G.D., see Maggio, B. (1190) 137
- Foucher, B., see Lançar-Benba, J. (1190) 213
- Francoeur, M.L., see Ongpipattanakul, B. (1190) 115
- Furukawa, Y., Tamura, H.-o. and Ikezawa, H.
Mutational analysis of the COOH-terminal hydrophobic domain of bovine liver 5'-nucleotidase as a signal for glycosylphosphatidylinositol (GPI) anchor attachment (1190) 273
- Gaffet, P., see Bassé, F. (1190) 217
- Ganjeizadeh, M., see Huang, W.-h. (1190) 108
- Gavino, G.R., see Paiement, J. (1190) 199
- Gavino, V.C., see Paiement, J. (1190) 199
- Gerzaničová, G., see Hapala, I. (1190) 40
- Giribaldi, G., see Turrini, F. (1190) 297
- Giroux, S., see Delisle, M.-C. (1190) 289
- Golovina, E.A. and Tikhonov, A.N.
The structural differences between the embryos of viable and nonviable wheat seeds as studied with the EPR spectroscopy of lipid-soluble spin labels (1190) 385
- Gómez-Fernández, J.C., see López-García, F. (1190) 264
- Gottwald, S., see Koelsch, R. (1190) 170
- Gräf, R., Harvey, W.R. and Wiczorek, H.
Cloning, sequencing and expression of cDNA encoding an insect V-ATPase subunit E (1190) 193

- Granot, Y., see Margalit, A. (1190) 173
- Grant, C.W.M., see Barber, K.R. (1190) 376
- Grant, C.W.M., see Hamilton, K.S. (1190) 367
- Gräslund, A., see Backlund, B.-M. (1190) 337
- Gulik, A., see Santaella, C. (1190) 25
- Gulik-Krzywicki, T., see Santaella, C. (1190) 25
- Hägerstrand, H. and Isomaa, B.
Lipid and protein composition of exovesicles released from human erythrocytes following treatment with amphiphiles (1190) 409
- Hall, M.P. and Huestis, W.H.
Phosphatidylserine headgroup diastereomers translocate equivalently across human erythrocyte membranes (1190) 243
- Hamilton, K.S., Briere, K., Jarrell, H.C. and Grant, C.W.M.
Acyl chain length effects related to glycosphingolipid crypticity in phospholipid membranes: probed by ^2H -NMR (1190) 367
- Hamilton, K.S., see Barber, K.R. (1190) 376
- Hapala, I., Hunáková, B., Gerzaničová, G. and Butko, P.
Specific changes in nucleotide and lipid synthesis are linked to growth defects in intramitochondrial energy-depleted yeast cells (1190) 40
- Harvey, W.R., see Gräf, R. (1190) 193
- Hashimoto, A., see Sugawara, M. (1190) 85
- He, K., see Ludtke, S.J. (1190) 181
- Hehl, S., Moser, C., Weik, R. and Neumcke, B.
Internal Ca^{2+} ions inactivate and modify ATP-sensitive potassium channels in adult mouse skeletal muscle (1190) 257
- Helander, H.F., see Bamberg, K. (1190) 355
- Helander, K.G., see Bamberg, K. (1190) 355
- Helliwell, P.A., Meredith, D., Boyd, C.A.R., Bronk, J.R., Lister, N. and Bailey, P.D.
Tripeptide transport in rat lung (1190) 430
- Heřman, P., Konopásek, I., Plášek, J. and Svobodová, J.
Time-resolved polarized fluorescence studies of the temperature adaptation in *Bacillus subtilis* using DPH and TMA-DPH fluorescent probes (1190) 1
- Herrmann, A., see Arbuzova, A. (1190) 360
- Hirsch, A., see Wiese, A. (1190) 231
- Hitomi, K. and Tsukagoshi, N.
cDNA sequence for rkST1, a novel member of the sodium ion-dependent glucose cotransporter family (1190) 469
- Huang, H.W., see Ludtke, S.J. (1190) 181
- Huang, L., see Litzinger, D.C. (1190) 99
- Huang, W.-h., Wang, Y., Askari, A., Zolotarjova, N. and Ganjeizadeh, M.
Different sensitivities of the Na^+/K^+ -ATPase isoforms to oxidants (1190) 108
- Huestis, W.H., see Hall, M.P. (1190) 243
- Hunáková, B., see Hapala, I. (1190) 40
- Hussain, S., Meneghini, E., Moosmayer, M., Lacotte, D. and Anner, B.M.
Potent and reversible interaction of silver with pure Na,K-ATPase and Na,K-ATPase-liposomes (1190) 402
- Ikezawa, H., see Furukawa, Y. (1190) 273
- Iseki, K., see Sugawara, M. (1190) 85
- Ishii, T., see Yu, H. (1190) 189
- Isomaa, B., see Hägerstrand, H. (1190) 409
- Itaya, E., see Nakamura, T. (1190) 465
- Jacobsen, C., see Jessen, H. (1190) 279
- Jarrell, H.C., see Hamilton, K.S. (1190) 367
- Jarvis, S.M., see Milner, H.E. (1190) 185
- Jessen, H., Røigaard, H., Riahi-Esfahani, S. and Jacobsen, C.
A comparative study on the uptake of α -aminoisobutyric acid by normal and immortalized human embryonic kidney cells from proximal tubule (1190) 279
- Jouhal, K., see Younus, M.J. (1190) 444
- Jungner, M., see Slotte, J.P. (1190) 435
- Kamaya, H., see Ueda, I. (1190) 421
- Kaune, R., Munson, S. and Bikle, D.D.
Regulation of calmodulin binding to the ATP extractable 110 kDa protein (myosin I) from chicken duodenal brush border by $1,25\text{-(OH)}_2\text{D}_3$ (1190) 329
- Kim, H.J., see Coupaye-Gerard, B. (1190) 449
- Kobayashi, M., see Sugawara, M. (1190) 85
- Koelsch, R., Gottwald, S. and Lasch, J.
Release of GPI-anchored membrane aminopeptidase P by enzymes and detergents has some peculiarities (1190) 170
- Komano, Y., see Nakamura, T. (1190) 465
- Konopásek, I., see Heřman, P. (1190) 1
- Korte, T., see Arbuzova, A. (1190) 360
- Krishna, P.R., see Ueda, I. (1190) 421
- Kuroda, H., see Ballarin-Denti, A. (1190) 43
- Kuroda, H., see Slayman, C.L. (1190) 57
- Lacotte, D., see Hussain, S. (1190) 402
- Laңar-Benba, J., Foucher, B. and Saint-Macary, M.
Purification of the rat-liver mitochondrial dicarboxylate carrier by affinity chromatography on immobilized malate dehydrogenase (1190) 213
- Lasch, J., see Koelsch, R. (1190) 170
- Lavoie, C., see Paiement, J. (1190) 199
- Lindblom, G., see Demel, R. (1190) 416
- Lister, N., see Helliwell, P.A. (1190) 430
- Litzinger, D.C., Buiting, A.M.J., Van Rooijen, N. and Huang, L.
Effect of liposome size on the circulation time and intraorgan distribution of lipophilic poly(ethylene glycol)-containing liposomes (1190) 99
- Loe, D.W. and Sharom, F.J.
Interaction of multidrug-resistant Chinese hamster ovary cells with the peptide ionophore gramicidin D (1190) 72
- López-García, F., Villalaín, J. and Gómez-Fernández, J.C.
Diaclylglycerol, phosphatidylserine and Ca^{2+} : a phase behavior study (1190) 264
- Louro, S.R.W., Nascimento, O.R. and Tabak, M.
Charge- and pH-dependent binding sites for dibucaine in ionic micelles: a fluorescence study (1190) 319
- Ludtke, S.J., He, K., Wu, Y. and Huang, H.W.
Cooperative membrane insertion of magainin correlated with its cytolytic activity (1190) 181
- Lundberg, L.G., see Bamberg, K. (1190) 355
- Maccarrone, M., Van Aarle, P.G.M., Veldink, G.A. and Vliegthart, J.F.G.
In vitro oxygenation of soybean biomembranes by lipoxygenase-2 (1190) 164
- Madeira, V.M.C., see Antunes-Madeira, M.C. (1190) 149
- Maggio, B., Bianco, I.D., Montich, G.G., Fidelio, G.D. and Yu, R.K.
Regulation by gangliosides and sulfatides of phospholipase A_2 activity against dipalmitoyl- and dilauroylphosphatidylcholine in small unilamellar bilayer vesicles and mixed monolayers (1190) 137
- Mannu, F., see Turrini, F. (1190) 297
- Margalit, A. and Granot, Y.
Endogenous heparin A_3 , produced under short duration of high shear-stress, inhibits thrombin-induced aggregation in human platelets (1190) 173
- Márquez, J., see Medina, M.A. (1190) 20
- McCarthy, M.P., see Moore, M.A. (1190) 457
- Medina, M.A., Del Castillo-Olivares, A., Márquez, J. and Núñez de Castro, I.

- Involvement of essential histidine residue(s) in the activity of Ehrlich cell plasma membrane NADH–ferricyanide oxidoreductase (1190) 20
- Meneghini, E., see Hussain, S. (1190) 402
- Meredith, D., see Helliwell, P.A. (1190) 430
- Meyer, H.W., Richter, W. and Brezesinski, G.
Convex-concave curvatures in bilayers of dipalmitoylphosphatidylcholine and cholesterol induced by amphotericin B/deoxycholate after prolonged storage (1190) 9
- Milner, H.E., Béliveau, R. and Jarvis, S.M. (1190) 185
- Mir, L.M., see Belehradek Jr., J. (1190) 155
- Miyazaki, K., see Sugawara, M. (1190) 85
- Moldéus, P., see Boyer, C.S. (1190) 304
- Monasse, B., see Santaella, C. (1190) 25
- Montich, G.G., see Maggio, B. (1190) 137
- Moore, G.A., see Boyer, C.S. (1190) 304
- Moore, M.A. and McCarthy, M.P.
The effects of drugs on the incorporation of a conformationally-sensitive, hydrophobic probe into the ion channel of the nicotinic acetylcholine receptor (1190) 457
- Moosmayer, M., see Hussain, S. (1190) 402
- Morero, R.D., see Pedersen, J.Z. (1190) 177
- Moser, C., see Hehl, S. (1190) 257
- Müller, P., see Arbuzova, A. (1190) 360
- Munson, S., see Kaune, R. (1190) 329
- Nakamura, T., Komano, Y., Itaya, E., Tsukamoto, K., Tsuchiya, T. and Unemoto, T.
Cloning and sequencing of an Na^+/H^+ antiporter gene from the marine bacterium *Vibrio alginolyticus* (1190) 465
- Nascimento, O.R., see Louro, S.R.W. (1190) 319
- Neumcke, B., see Hehl, S. (1190) 257
- Neve, E.P.A., see Boyer, C.S. (1190) 304
- Núñez de Castro, I., see Medina, M.A. (1190) 20
- Nylander, S., see Bamberg, K. (1190) 355
- Ongpipattanakul, B., Francoeur, M.L. and Potts, R.O.
Polymorphism in stratum corneum lipids (1190) 115
- Orlowski, S., see Belehradek Jr., J. (1190) 155
- Paiement, J., Lavoie, C., Gavino, G.R. and Gavino, V.C.
Modulation of GTP-dependent fusion by linoleic and arachidonic acid in derivatives of rough endoplasmic reticulum from rat liver (1190) 199
- Pearson, W.R., see Yu, H. (1190) 189
- Pedersen, J.Z., De Arcuri, B.F., Morero, R.D. and Rufini, S.
Phospholipase-like myotoxins induce rapid membrane leakage of non-hydrolyzable ether-lipid liposomes (1190) 177
- Peeters, T.L., see Backlund, B.-M. (1190) 337
- Plášek, J., see Heřman, P. (1190) 1
- Poddevin, B., see Belehradek Jr., J. (1190) 155
- Pótó, L., see Belágyi, J. (1190) 123
- Potts, R.O., see Ongpipattanakul, B. (1190) 115
- Pron, G., see Belehradek Jr., J. (1190) 155
- Ramirez, L.H., see Belehradek Jr., J. (1190) 155
- Ratcliff, F.G. and Ehrenfeld, J.
Activation of osmotically-activated potassium transporters after injection of mRNA from A6 cells in *Xenopus* oocytes (1190) 248
- Riahi-Esfahani, S., see Jessen, H. (1190) 279
- Richter, W., see Meyer, H.W. (1190) 9
- Riess, J.G., see Santaella, C. (1190) 25
- Rigby, A.C., see Barber, K.R. (1190) 376
- Rilfors, L., see Demel, R. (1190) 416
- Røigaard, H., see Jessen, H. (1190) 279
- Roth, M.R. and Welte, R.
Arrangement of phosphatidylethanolamine molecular species in *Escherichia coli* membranes and reconstituted lipids as determined by dimethyl suberimidate cross-linking of nearest neighbor lipids (1190) 91
- Rufini, S., see Pedersen, J.Z. (1190) 177
- Sachs, G., see Bamberg, K. (1190) 355
- Saint-Macary, M., see Lançar-Benba, J. (1190) 213
- Santaella, C., Vierling, P., Riess, J.G., Gulik-Krzywicki, T., Gulik, A. and Monasse, B.
Polymorphic phase behavior of perfluoroalkylated phosphatidylcholines (1190) 25
- Schröder, G., see Wiese, A. (1190) 231
- Seydel, U., see Wiese, A. (1190) 231
- Sharom, F.J., see Loe, D.W. (1190) 72
- Singh, A., see Coupaye-Gerard, B. (1190) 449
- Slayman, C.L., Kuroda, H. and Ballarin-Denti, A.
Cation effluxes associated with the uptake of TPP^+ , TPA^+ , and TPMP^+ by *Neurospora*: evidence for a predominantly electroneutral influx process (1190) 57
- Slayman, C.L., see Ballarin-Denti, A. (1190) 43
- Slotte, J.P., Jungner, M., Vilchère, C. and Bittman, R.
Effect of sterol side-chain structure on sterol–phosphatidylcholine interactions in monolayers and small unilamellar vesicles (1190) 435
- Sorgenfrei, D., see Wagner, S. (1190) 309
- Sugawara, M., Hashimoto, A., Toda, T., Takahashi, M., Kobayashi, M., Iseki, K. and Miyazaki, K.
Changes in the permeation rate of organic anions through the intestinal brush-border membrane with membrane surface potential (1190) 85
- Svobodová, J., see Heřman, P. (1190) 1
- Tabak, M., see Louro, S.R.W. (1190) 319
- Takahashi, M., see Sugawara, M. (1190) 85
- Takashima, S., see Asami, K. (1190) 129
- Takeyasu, K., see Yu, H. (1190) 189
- Tamura, H.-o., see Furukawa, Y. (1190) 273
- Tikhonov, A.N., see Golovina, E.A. (1190) 385
- Toda, T., see Sugawara, M. (1190) 85
- Török, B., see Belágyi, J. (1190) 123
- Tsuchiya, T., see Nakamura, T. (1190) 465
- Tsukagoshi, N., see Hitomi, K. (1190) 469
- Tsukamoto, K., see Nakamura, T. (1190) 465
- Turrini, F., Mannu, F., Cappadoro, M., Ulliers, D., Giribaldi, G. and Arese, P.
Binding of naturally occurring antibodies to oxidatively and nonoxidatively modified erythrocyte band 3 (1190) 297
- Ueda, I., Chiou, J.-S., Krishna, P.R. and Kamaya, H.
Local anesthetics destabilize lipid membranes by breaking hydration shell: infrared and calorimetry studies (1190) 421
- Ulliers, D., see Turrini, F. (1190) 297
- Unemoto, T., see Nakamura, T. (1190) 465
- Vachon, V., see Delisle, M.-C. (1190) 289
- Van Aarle, P.G.M., see Maccarrone, M. (1190) 164
- Van Rooijen, N., see Litzinger, D.C. (1190) 99
- Veldink, G.A., see Maccarrone, M. (1190) 164
- Vieira, R.A., see Antunes-Madeira, M.C. (1190) 149
- Vierling, P., see Santaella, C. (1190) 25
- Vilchère, C., see Slotte, J.P. (1190) 435
- Villalón, J., see López-García, F. (1190) 264
- Vliegthart, J.F.G., see Maccarrone, M. (1190) 164
- Volbracht, L., see Wagner, S. (1190) 309

- Wagner, S., Wenzel-Seifert, K., Volbracht, L., Sorgenfrei, D. and Ebel, H.
Oleic acid inhibition of Na^+/D -glucose transport in isolated renal brush-border membranes: role of lipid physical parameters and *trans* Na^+ -inhibition (1190) 309
- Wang, Y., see Huang, W.-h. (1190) 108
- Weik, R., see Hehl, S. (1190) 257
- Welte, W., see Wiese, A. (1190) 231
- Welti, R., see Roth, M.R. (1190) 91
- Wenzel-Seifert, K., see Wagner, S. (1190) 309
- Wheeler, T.J.
Accelerated net efflux of 3-*O*-methylglucose from rat adipocytes: a reevaluation (1190) 345
- Wieczorek, H., see Gräf, R. (1190) 193
- Wiese, A., Schröder, G., Brandenburg, K., Hirsch, A., Welte, W. and Seydel, U.
Influence of the lipid matrix on incorporation and function of LPS-free porin from *Paracoccus denitrificans* (1190) 231
- Wikander, G., see Backlund, B.-M. (1190) 337
- Wilson, D.M. and Wilson, T.H.
Transport properties of Asp-51 $\rightarrow$ Glu and Asp-120 $\rightarrow$ Glu mutants of the melibiose carrier of *Escherichia coli* (1190) 225
- Wilson, T.H., see Wilson, D.M. (1190) 225
- Wu, Y., see Ludtke, S.J. (1190) 181
- Younus, M.J., Jouhal, K. and Butterworth, P.J.
Inhibition by cyclic AMP and phorbol esters of sodium-dependent uptake of phosphate by rat hepatocytes (1190) 444
- Yu, H., Ishii, T., Pearson, W.R. and Takeyasu, K.
Primary structure of avian H^+/K^+ -ATPase β -subunit (1190) 189
- Yu, R.K., see Maggio, B. (1190) 137
- Zolotarjova, N., see Huang, W.-h. (1190) 108