

AUTHOR INDEX

- Alaupovic, P., see Carey, C. (401) 6
- Albers, R. W., see Swann, A. C. (401) 299
- Alpers, D. H. and Tedesco, F. J.
The possible role of pancreatic proteases in the turnover of intestinal brush border proteins (401) 28
- Armstrong, W. McD., Byrd, B. J., Cohen, E. S., Cohen, S. J., Hamang, P. H. and Myers, C. J.
Osmotically induced electrical changes in isolated bullfrog small intestine (401) 137
- Bader, J. P., see Marciani, D. J. (401) 386
- Baker, R. D., Lo, C.-S. and Nunn, A. S.
Sugar transport by intestine. Escape of galactose from preloaded mucosa of hamster jejunum (401) 429
- Barrett, E. J., see Flaherty, J. O. (401) 177
- Bastian, P., see Zimmer, G. (401) 244
- Bayer, E., see Viswanatha, T. (401) 152
- Beaugé, L.
Non-pumped sodium fluxes in human red blood cells. Evidence for facilitated diffusion (401) 95
- Betz, A. L., Gilboe, D. D. and Drewes, L. R.
Accelerative exchange diffusion kinetics of glucose between blood and brain and its relation to transport during anoxia (401) 416
- Boyer, J. L. and Reno, D.
Properties of ($\text{Na}^+ : \text{K}^+$)-activated ATPase in rat liver plasma membranes enriched with bile canaliculi (401) 59
- Bradley, D. P., see Flaherty, J. O. (401) 177
- Brdiczka, D., see Weidekamm, E. (401) 51
- Busse, D., Jahn, A. and Steinmaier, G.
Carrier-mediated transfer of D-glucose in brush border vesicles derived from rabbit renal tubules. Na^+ -dependent versus Na^+ -independent transfer (401) 231
- Butler, K. W., see Stockton, G. W. (401) 534
- Byrd, B. J., see Armstrong, W. McD. (401) 137
- Canellakis, E. S., see Tsai, C. M. (401) 196
- Caplan, S. R., see Lang, M. A. (401) 481
- Carey, C., Wang, C. S. and Alaupovic, P.
A critical evaluation of the proposal that serum apolipoproteins are the major constituents of the human erythrocyte membrane (401) 6
- Celentano, F., see Monticelli, G. (401) 41
- Cerny, E. A., see Jonah, M. M. (401) 336
- Chen, K. Y., see Tsai, C. M. (401) 196
- Cittanova, N., see Khaifat, A. (401) 1
- Cohen, E. S., see Armstrong, W. McD. (401) 137
- Cohen, S. J., see Armstrong, W. McD. (401) 137
- Copp, D. H., see Shami, Y. (401) 256
- Crane, R. K., see Dugas, M. C. (401) 486
- Cyr, R., see Stockton, G. W. (401) 534
- Daniel, A., see Swann, A. C. (401) 299
- Delmelle, M., see Pontus, M. (401) 221
- Deuticke, B., see Haest, C. W. M. (401) 468
- Drewes, L. R., see Betz, A. L. (401) 416
- Ducouret-Prigent, B., Lelievre, L., Paraf, A. and Kepes, A.
Relationship between intracellular K^+ concentrations and K^+ fluxes in growing and contact-inhibited cells (401) 119
- Dugas, M. C. and Crane, R. K.
Response of transmural electrical parameters across in vitro everted sacs of hamster jejunum to variations in oxygenation rate (401) 486
- Eilam, Y.
Two-carrier models for mediated transport. I. Theoretical analysis of several two-carrier models (401) 349
- Eilam, Y.
Two-carrier models for mediated transport. II. Glucose and galactose equilibrium exchange experiments in human erythrocytes as a test for several two-carrier models (401) 364
- El-Gorab, M. I., Underwood, B. A. and Loerch, J. D.
The roles of bile salts in the uptake of β -carotene and retinol by rat everted gut sacs (401) 265
- Essig, A., see Lang, M. A. (401) 481
- Eylar, E. H., see Papahadjopoulos, D. (401) 317
- Flaherty, J. O., Barrett, E. J., Bradley, D. P. and Headon, D. R.
Association of basal ATPase activity and cholesterol with a distinct group of rabbit skeletal muscle microsomal particles (401) 177
- Furcht, L. T. and Scott, R. E.
Modulation of the distribution of plasma membrane intramembranous particles in contact-inhibited and transformed cells (401) 213

- Galla, H. J. and Sackmann, E.
Chemically induced lipid phase separation in model membranes containing charged lipids. A spin label study (401) 509
- Ghei, O. K. and Kay, W. W.
Succinate transport in *Bacillus subtilis*. Dependence on inorganic anions (401) 440
- Gilboe, D. D., see Betz, A. L. (401) 416
- Gorneva, G. A., see Ryabova, I. D. (401) 109
- Gussek, D. J., Yuen, P. and Longo, L. D.
Amino acid transport in placental slices. Mechanism of increased accumulation by prolonged incubation (401) 278
- Haest, C. W. M. and Deuticke, B.
Experimental alteration of phospholipid-protein interactions within the human erythrocyte membrane. Dependence on glycolytic metabolism (401) 468
- Hamang, P. H., see Armstrong, W. McD. (401) 137
- Headon, D. R., see Flaherty, J. O. (401) 177
- Henning, R.
pH gradient across the lysosomal membrane generated by selective cation permeability and Donnan equilibrium (401) 307
- Hill, R. J., see Lancaster, J. R., Jr (401) 285
- Isac, T., see Papahadjopoulos, D. (401) 317
- Jahn, A., see Busse, D. (401) 231
- Jayle, M. F., see Khaïat, A. (401) 1
- Johnson, K. G., see Stockton, G. W. (401) 534
- Jonah, M. M., Cerny, E. A. and Rahman, Y. E.
Tissue distribution of EDTA encapsulated within liposomes of varying surface properties (401) 336
- Jørgensen, P. L.
Purification and characterization of (Na^+ , K^+)-ATPase. V. Conformational changes in the enzyme. Transitions between the Na-form and the K-form studied with tryptic digestion as a tool (401) 399
- Kay, W. W., see Ghei, O. K. (401) 440
- Kelley, R. E., Olson, M. S. and Pinckard, R. N.
Characterization of autoantigenic sites on isolated dog heart mitochondria (401) 370
- Kepes, A., see Ducouret-Prigent, B. (401) 119
- Ketevi, P., see Khaïat, A. (401) 1
- Khaïat, A., Ketevi, P., Ter-Minassian-Saraga, L., Cittanova, N. and Jayle, M. F.
Surface behaviour of oestradiol-17 β (401) 1
- Kosower, E. M., see Kosower, N. S. (401) 530
- Kosower, E. M., see Lustig, S. (401) 458
- Kosower, N. S., Kosower, E. M. and Wegman, P.
Membrane mobility agents. II. Active promoters of cell fusion (401) 530
- Kosower, N. S., see Lustig, S. (401) 458
- Koval, G. J., see Swann, A. C. (401) 299
- Lancaster, J. R., Jr, Hill, R. J. and Struve, W. G.
The characterization of energized and partially de-energized (respiration-independent) β -galactoside transport into *Escherichia coli* (401) 285
- Lang, M. A., Caplan, S. R. and Essig, A.
Action of aldosterone on frog skin in the presence and absence of in vitro molting effects (401) 481
- Lelievre, L., see Ducouret-Prigent, B. (401) 119
- Lin, P. S., Wallach, D. F. H., Mikkelsen, R. B. and Schmidt-Ullrich, R.
Action of halothane on human erythrocytes. Mechanisms of cell lysis and production of sealed ghosts (401) 73
- Lo, C.-S., see Baker, R. D. (401) 429
- Loerch, J. D., see El-Gorab, M. I. (401) 265
- Longo, L. D., see Gussek, D. J. (401) 278
- Lustig, S., Pluznik, D. H., Kosower, N. S. and Kosower, E. M.
Membrane mobility agent alters the consequences of lectin-cell interaction in a malignant cell membrane (401) 458
- Marciani, D. J. and Bader, J. P.
Polypeptide composition of cell membranes from chick embryo fibroblasts transformed by Rous sarcoma virus (401) 386
- Messer, H. H., see Shami, Y. (401) 256
- Mikkelsen, R. B., see Lin, P. S. (401) 73
- Miller, I., see Stroeve, P. (401) 157
- Monticelli, G., Celentano, F. and Torelli, G.
Sodium chloride reflection coefficient in rabbit gall bladder (401) 41
- Moscarello, M., see Papahadjopoulos, D. (401) 317
- Myers, C. J., see Armstrong, W. McD. (401) 137
- Neher, E.
Ionic specificity of the gramicidin channel and the thallous ion (401) 539
- Nunn, A. S., see Baker, R. D. (401) 429
- Oldendorf, W. H., see Pardridge, W. M. (401) 128
- Olson, M. S., see Kelley, R. E. (401) 370
- Ovchinnikov, Y. A., see Ryabova, I. D. (401) 109
- Pal, N. C., see Takashima, S. (401) 15

- Papahadjopoulos, D., Moscarello, M., Eylar, E. H. and Isac, T.
Effects of proteins on thermotropic phase transitions of phospholipid membranes (401) 317
- Paraf, A., see Ducouret-Prigent, B. (401) 119
- Pardridge, W. M. and Oldendorf, W. H.
Kinetic analysis of blood-brain barrier transport of amino acids (401) 128
- Pinckard, R. N., see Kelley, R. E. (401) 370
- Pitts, B. J. R. and Schwartz, A.
Improved purification and partial characterization of $(\text{Na}^+, \text{K}^+)$ -ATPase from cardiac muscle (401) 184
- Pluznik, D. H., see Lustig, S. (401) 458
- Polnaszek, C. F., see Stockton, G. W. (401) 534
- Pontus, M. and Delmelle, M.
Fluid lipid fraction in rod outer segment membrane (401) 221
- Rahman, Y. E., see Jonah, M. M. (401) 336
- Ralston, G. B.
The proteins of the camel erythrocyte membrane (401) 83
- Reno, D., see Boyer, J. L. (401) 59
- Ryabova, I. D., Gorneva, G. A. and Ovchinnikov, Y. A.
Effect of valinomycin on ion transport in bacterial cells and on bacterial growth (401) 109
- Sackmann, E., see Galla, H. J. (401) 509
- Schirmer, H., see Zimmer, G. (401) 244
- Schmidt-Ullrich, R., see Lin, P. S. (401) 73
- Schwartz, A., see Pitts, B. J. R. (401) 184
- Scott, R. E., see Furcht, L. T. (401) 213
- Shami, Y., Messer, H. H. and Copp, D. H.
Calcium uptake by placental plasma membrane vesicles (401) 256
- Smith, I. C. P., see Stockton, G. W. (401) 534
- Steinmaier, G., see Busse, D. (401) 231
- Stockton, G. W., Johnson, K. G., Butler, K. W., Polnaszek, C. F., Cyr, R. and Smith, I. C. P.
Molecular order in *Acholeplasma laidlawii* membranes as determined by deuterium magnetic resonance of biosynthetically-incorporated specifically labelled lipids (401) 534
- Stroeve, P. and Miller, I.
Lateral diffusion of cholesterol in monolayers (401) 157
- Struve, W. G., see Lancaster, J. R., Jr. (401) 285
- Swann, A. C., Daniel, A., Albers, R. W. and Koval, G. J.
Interactions of lectins with $(\text{Na}^+ - \text{K}^+)$ -ATPase of eel electric organ (401) 299
- Takashima, S., Yantorno, R. and Pal, N. C.
Electrical properties of squid axon membrane. II. Effect of partial degradation by phospholipase A and pronase on electrical characteristics (401) 15
- Tedesco, F. J., see Alpers, D. H. (401) 28
- Ter-Minassian-Saraga, L., see Khaïta, A. (401) 1
- Torelli, G., see Monticelli, G. (401) 41
- Tsai, C. M., Chen, K. Y. and Canellakis, E. S.
Isolation and characterization of the plasma membrane of L-1210 cells. Iodination as a marker for the plasma membrane (401) 196
- Underwood, B. A., see El-Gorab, M. I. (401) 265
- Verma, S. P. and Wallach, D. F. H.
Carotenoids as Raman-active probes of erythrocyte membrane structure (401) 168
- Viswanatha, T., Bayer, E. and Wilchek, M.
Reversibility of the affinity-labelled biotin transport system in yeast cells (401) 152
- Wallach, D. F. H., see Lin, P. S. (401) 73
- Wallach, D. F. H., see Verma, S. P. (401) 168
- Wang, C. S., see Carey, C. (401) 6
- Wegman, P., see Kosower, N. S. (401) 530
- Weidekamm, E. and Brdiczka, D.
Extraction and localization of a $(\text{Ca}^{2+} - \text{Mg}^{2+})$ -stimulated ATPase in human erythrocyte spectrin (401) 51
- Wilchek, M., see Viswanatha, T. (401) 152
- Yantorno, R., see Takashima, S. (401) 15
- Yuen, P., see Gussek, D. J. (401) 278
- Zimmer, G., Schirmer, H. and Bastian, P.
Lipid-protein interactions at the erythrocyte membrane. Different influence of glucose and sorbose on membrane lipid transition (401) 244