

AUTHOR INDEX TO VOLUME 74

Akerboom, T. P. M., H. Bookelman and J. M. Tager, Control of ATP transport across the mitochondrial membrane in isolated rat-liver cells	74 (1977) 50
Allerhand, A., see D. J. Wilbur	74 (1977) 272
Apirion, D., see M. A. Caras	74 (1977) 283
Aquila, H., see W. Eiermann	74 (1977) 209
Azevedo, H. P., see D. M. Mattei	74 (1977) 264
Bailey, S. C., see M. A. Caras	74 (1977) 283
Bajusz, S., see A. Z. Rónai	74 (1977) 182
Bajusz, S., see M. Pozsgay	74 (1977) 67
Balegno, H. F., see C. E. Domenech	74 (1977) 243
Barber, J., J. Mills and A. Love, Electrical diffuse layers and their influence on photosynthetic processes	74 (1977) 174
Baulieu, E.-E., see O. Soullignac	74 (1977) 129
Berthelot, F., D. Bogdanovsky, G. Schapira and F. Gros, Comparative nature of the reactions catalysed by reticulocyte initiation factor IF-M ₁ and <i>Escherichia coli</i> factor IF ₂ on <i>Escherichia coli</i> ribosomes	74 (1977) 91
Bertoli, E., see D. E. Griffiths	74 (1977) 38
Bleuel, H., see D. Schubert	74 (1977) 47
Bogdanovsky, D., see F. Berthelot	74 (1977) 91
Bookelman, H., see T. P. M. Akerboom	74 (1977) 50
Brändén, R., see S. Rosén	74 (1977) 25
Brennan, P. J., see J. A. Hackett	74 (1977) 259
Briand, J.-P., see K. Richards	74 (1977) 279
Boveris, A., see K. Kakinuma	74 (1977) 295
Cacan, R., see A. Verbert	74 (1977) 234
Cannon, B., U. Sundin and L. Romert, Palmitoyl coenzyme A: a possible physiological regulator of nucleotide binding to brown adipose tissue mitochondria	74 (1977) 43
Caplan, S. R., see A. Danon	74 (1977) 255
Caras, M. A., S. C. Bailey and D. Apirion, The DNA of <i>Escherichia coli</i> can be displayed in a single band in polyacrylamide gels	74 (1977) 283
Chance, B., see K. Kakinuma	74 (1977) 295
Changeux, J.-P., see V. I. Teichberg	74 (1977) 71
Cheema, A. S., see J. F. Piatt	74 (1977) 251
Chen-Schmeisser, U. and R. A. Garrett, A new method for the isolation of a 5 S RNA complex with proteins L5, L18 and L25 from <i>Escherichia coli</i> ribosomes	74 (1977) 287
Cremel, G., A. Waksman and P. Pajot, Complex formation between yeast cytochrome <i>b</i> ₂ and rat liver mitochondrial inner membrane	74 (1977) 239

Daleo, G. R. and R. Pont Lezica, Synthesis of dolichol phosphate by a cell-free extract from pea	74 (1977) 247
Danon, A. and S. R. Caplan, CO ₂ fixation by <i>Halobacterium halobium</i>	74 (1977) 255
Darszon, A., M. Montal and M. Philipp, Formation of detergent-free proteolipids from biological membranes: application to rhodopsin	74 (1977) 135
Debeire, P., see A. Verbert	74 (1977) 234
De Jong, W. W., see J. A. Kramps	74 (1977) 82
De Man, B. M., see J. A. Kramps	74 (1977) 82
De Mendoza, D., see C. D. Domenech	74 (1977) 243
Dietze, G. and M. Wicklmayr, Evidence for a participation of the kallikrein-kinin system in the regulation of muscle metabolism during muscular work	74 (1977) 205
Dijk, J., see J. Littlechild	74 (1977) 292
Domenech, C. E., E. E. Machado de Domenech, H. F. Balegno, D. de Mendoza and R. N. Farías, Pesticide action and membrane fluidity: Allosteric behavior of rat erythrocyte membrane-bound acetylcholinesterase in the presence of organophosphorous compounds	74 (1977) 243
Domning, B., see D. Schubert	74 (1977) 47
Dunai-Kovács, Zs., see A. Z. Rónai	74 (1977) 182
Eeckhout, Y., see C. Gillet	74 (1977) 126
Egger, E., see G. Schulze	74 (1977) 220
Eibl, H., see P. Woolley	74 (1977) 14
Eiermann, W., H. Aquila and M. Klingenberg, Immunological characterization of the ADP, ATP translocator protein isolated from mitochondria of liver, heart and other organs. Evidence for an organ specificity	74 (1977) 209
Elódi, P., see M. Pozsgay	74 (1977) 67
Farías, R. N., see C. E. Domenech	74 (1977) 243
Fernandez-Pol, J. A., see G. S. Johnson	74 (1977) 201
Fleschurz, C., see I. Schuster	74 (1977) 107
Garrett, R. A., see J. Littlechild	74 (1977) 292
Garrett, R. A., see U. Chen-Schmeisser	74 (1977) 287
Gáspár, R., Jr., see M. Pozsgay	74 (1977) 67
Gast, W. H., W. Kabsch, A. Wittinghofer and R. Leberman, Crystals of a large tryptic peptide (fragment A) of elongation factor EF-Tu from <i>Escherichia coli</i>	74 (1977) 88
Gillet, C., Y. Eeckhout and G. Vaes, Purification of procollagenase and collagenase by affinity chromatography on sepharose-collagen	74 (1977) 126
Goldenberg, S., see D. M. Mattei	74 (1977) 264
Gráf, L., see A. Z. Rónai	74 (1977) 182
Gráf, L., see M. Hollósi	74 (1977) 185
Greiling, H., see A. M. Gressner	74 (1977) 77
Gressner, A. M. and H. Greiling, The phosphorylation of liver ribosomal protein S6 during the development of acute hepatic cell injury induced by D-galactosamine	74 (1977) 77
Griffin, B. W., Free radical intermediate in the <i>N</i> -demethylation of aminopyrine by horseradish peroxidase-hydrogen peroxide	74 (1977) 139
Griffiths, D. E., R. L. Hyams and E. Bertoli, Studies of energy-linked reactions: dihydro-lipoate- and oleate-dependent ATP synthesis in yeast promitochondria	74 (1977) 38
Gros, F., see F. Berthelot	74 (1977) 91

Grunicke, H., see G. Raydt	74 (1977) 111
Gustafsson, J.-A., see M. Ingelman-Sundberg	74 (1977) 103
Hackett, J. A. and P. J. Brennan, The isolation and biosynthesis of the ceramide-phosphoinositol of <i>Aspergillus niger</i>	74 (1977) 259
Hanaki, A., see T. Ozawa	74 (1977) 99
Hatey, F., see Y. Moulé	74 (1977) 121
Helene, C., Specific recognition of guanine bases in protein-nucleic acid complexes	74 (1977) 10
Helland, D. E., Isolation of the nucleoid structure from T ₇ bacteriophage infected <i>Escherichia coli</i> B cells	74 (1977) 275
Helm, I., see I. Schuster	74 (1977) 107
Hems, D. A., see P. D. Whitton	74 (1977) 195
Hess, B. and D. Kuschmitz, The photochemical reaction of the 412 nm chromophore of bacteriorhodopsin	74 (1977) 20
Hollósi, M., M. Kajtár and L. Gráf, Studies on the conformation of β -endorphin and its constituent fragments in water and trifluoroethanol by CD spectroscopy	74 (1977) 185
Holzweber, F., see G. Raydt	74 (1977) 111
Hoppe, J. and K. G. Wagner, An improved method for the purification of cAMP-dependent protein kinase from rabbit muscle using hydrophobic chromatography	74 (1977) 95
Horikawa, S., S. Nakanishi and S. Numa, Cell-free synthesis of acetyl coenzyme A carboxylase by liver polysomes from rats under different dietary conditions	74 (1977) 55
Hyams, R. L., see D. E. Griffiths	74 (1977) 38
Inesi, G., see M. Kurzmack	74 (1977) 35
Ingelman-Sundberg, M. and J.-Å. Gustafsson, Resolution of multiple forms of phenobarbital-induced liver microsomal cytochrome P-450 by electrofocusing on granulated gels	74 (1977) 103
Johnson, G. S. and J. A. Fernandez-Pol, NRK cells synchronized in G ₁ by picolinic acid are super-sensitive to prostaglandin E ₁ stimulation	74 (1977) 201
Jollés, J., J.-L. Nussbaum, F. Schoentgen, P. Mandel and P. Jollés, Structural data concerning the major rat brain myelin proteolipid P7 apoprotein	74 (1977) 190
Jollés, P., see J. Jollés	74 (1977) 190
Jonard, G., see K. Richards	74 (1977) 279
Jones-Mortimer, M. C., H. L. Kornberg, R. Maltby and P. D. Watts, Role of the <i>crr</i> -gene in glucose uptake by <i>Escherichia coli</i>	74 (1977) 17
Jung, K., see G. Schulze	74 (1977) 220
Kabsch, W., see W. H. Gast	74 (1977) 88
Kajtár, M., see M. Hollósi	74 (1977) 185
Kakinuma, K., A. Boveris and B. Chance, H ₂ O ₂ Generation in subcellular fractions of leukocytes assayed by cytochrome c peroxidase method	74 (1977) 295
Kamihara, T., see A. Yamazaki	74 (1977) 62
Klein, C., see K. Richards	74 (1977) 279
Klingenberg, M., see W. Eiermann	74 (1977) 209
Kornberg, H. L., see M. C. Jones-Mortimer	74 (1977) 17
Kramps, J. A., B. M. de Man and W. W. de Jong, The primary structure of the B ₂ chain of human α -crystallin	74 (1977) 82

Kulaev, I. S., see S. E. Mansurova	74 (1977) 31
Kunze, D., see G. Schulze	74 (1977) 220
Kurzmack, M. and G. Inesi, The initial phase of Ca^{2+} -uptake and ATPase activity of sarcoplasmic reticulum vesicles	74 (1977) 35
Kuschmitz, D., see B. Hess	74 (1977) 20
Leberman, R., see W. H. Gast	74 (1977) 88
Littlechild, J., J. Dijk and R. A. Garrett, The identification of new RNA-binding proteins in the <i>Escherichia coli</i> ribosome	74 (1977) 292
Love, A., see J. Barber	74 (1977) 174
Lyakhovich, V. V., see L. N. Pospelova	74 (1977) 225
Machado de Domenech, E. E., see C. E. Domenech	74 (1977) 243
Malmström, B. G., see S. Rosén	74 (1977) 25
Maltby, R., see M. C. Jones-Mortimer	74 (1977) 17
Mandel, P., see J. Jollés	74 (1977) 190
Mansurova, S. E., Yu. A. Shakhov and I. S. Kulaev, Mitochondrial pyrophosphatase is a coupling factor of respiration and pyrophosphate synthesis	74 (1977) 31
Mattei, D. M., S. Goldenberg, C. Morel, H. P. Azevedo and I. Roitman, Biochemical strain characterization of <i>Trypanosoma cruzi</i> by restriction endonuclease cleavage of kinetoplast-DNA	74 (1977) 264
Millet, J., Characterization of a protein inhibitor of intracellular protease from <i>Bacillus subtilis</i>	74 (1977) 59
Mills, J., see J. Barber	74 (1977) 174
Mishin, V. M., see L. N. Pospelova	74 (1977) 225
Montal, M., see A. Darszon	74 (1977) 135
Montreuil, J., see A. Verbert	74 (1977) 234
Morel, C., see D. M. Mattei	74 (1977) 264
Moulé, Y. and F. Hatey, Mechanism of the in vitro inhibition of transcription by patulin, a mycotoxin from <i>Byssoschlamys nivea</i>	74 (1977) 121
Nakanishi, S., see S. Horikawa	74 (1977) 55
Nishimura, Y., see A. Yamazaki	74 (1976) 62
Numa, S., see S. Horikawa	74 (1977) 55
Nussbaum, J.-L., see J. Jollés	74 (1977) 190
O'Brien, P. J., see J. F. Piatt	74 (1977) 251
Ozawa, T., A. Hanaki and H. Yamamoto, On a spectrally well-defined and stable source of superoxide ion, O_2^-	74 (1977) 99
Pagoulatos, G. N. and M. Yaniv, High resolution two-dimensional electrophoresis of proteins bound to heterogeneous nuclear RNA	74 (1977) 115
Pajot, P., see G. Cremel	74 (1977) 239
Philipp, M., see A. Darszon	74 (1977) 135
Philipson, L., Adenovirus gene expression — a model for mammalian cells	74 (1977) 165
Phillips, A. W., see D. Stone	74 (1977) 85
Piatt, J. F., A. S. Cheema and P. J. O'Brien, Peroxidase catalyzed singlet oxygen formation from hydrogen peroxide	74 (1977) 251
Pokrovsky, A. G., see L. N. Pospelova	74 (1977) 225

Pont Lezica, R., see G. R. Daleo	74 (1977) 247
Pospelova, L. N., A. G. Pokrovsky, V. M. Mishin and V. V. Lyakhovich, Reconstruction of an enzymic system of lipid peroxidation with properties of an intact microsomal system	74 (1977) 225
Pospelov, V. A., S. B. Svetlikova and V. I. Vorob'ev, Heterogeneity of chromatin subunits	74 (1977) 229
Pozsgay, M., S. Bajusz, R. Gáspár, Jr. and P. Elődi, Investigations on new tripeptidyl- <i>p</i> -nitroanilide substrates for subtilisins	74 (1977) 67
Puschendorf, B., see G. Raydt	74 (1977) 111
Raydt, G., F. Holzweber, B. Puschendorf and H. Grunicke, Depression of the intracellular histone messenger RNA content by the alkylating agent 2,3,5-trisethyleimino-benzoquinone	74 (1977) 111
Richard-Foy, H., see O. Soullignac	74 (1977) 129
Richards, K., J.-P. Briand, C. Klein and G. Jonard, Common nucleotide sequences on long and short RNAs of turnip yellow mosaic virus	74 (1977) 279
Rocher, P., see O. Soullignac	74 (1977) 129
Roitman, I., see D. M. Mattei	74 (1977) 264
Romert, L., see B. Cannon	74 (1977) 43
Rónai, A. Z., L. Gráf, J. I. Székely, Zs. Dunai-Kovács and S. Bajusz, Differential behaviour of LPH-(61-91)-peptide in different model systems: comparison of the opioid activities of LPH-(61-91)-peptide and its fragments	74 (1977) 182
Rosén, S., R. Brändén, T. Vänngård and B. G. Malmström, EPR evidence for an active form of cytochrome <i>c</i> oxidase different from the resting enzyme	74 (1977) 25
Schaller, H., see C. K. Warner	74 (1977) 215
Schapira, G., see F. Berthelot	74 (1977) 91
Schleicher, E. and H. Simon, The stereochemical course of the hydrogen transfer to NAD, catalyzed by bacterial glucose dehydrogenase and hydrogenase of <i>Alcaligenes eutrophus</i> H 16	74 (1977) 269
Schoentgen, F., see J. Jollés	74 (1977) 190
Schubert, D., H. Bleuel, B. Domning and G. Wiedner, Protein-induced conductivity changes in black lipid membranes and protein aggregation	74 (1977) 47
Schulze, G., K. Jung, D. Kunze and E. Egger, Exchange of different phosphatidylcholine molecular species by phospholipid exchange protein of rat liver	74 (1977) 220
Schuster, I., I. Helm and C. Fleschurz, The effect of charcoal treatment on microsomal cytochrome <i>P</i> -450	74 (1977) 107
Secco-Millet, C., see O. Soullignac	74 (1977) 129
Shakhov, Yu. A., see S. E. Mansurova	74 (1977) 31
Simon, H., see E. Schleicher	74 (1977) 269
Skulachev, V. P., Transmembrane electrochemical H ⁺ -potential as a convertible energy source for the living cell	74 (1977) 1
Soullignac, O., C. Secco-Millet, P. Rocher, E.-E. Baulieu and H. Richard-Foy, Filtration of calf uterine cytosol on ultrogel ACA 34 prevents aggregation of the estradiol receptor	74 (1977) 129
Stone, D. and A. W. Phillips, The amino acid sequence of dihydrofolate reductase from L1210 cells	74 (1977) 85
Sundin, U., see B. Cannon	74 (1977) 43
Svetlikova, S. B., see V. A. Pospelov	74 (1977) 229
Székely, J. I., see A. Z. Rónai	74 (1977) 182
Tager, J. M., see T. P. M. Akerboom	74 (1977) 50

Teichberg, V. I. and J.-P. Changeux, Evidence for protein phosphorylation and dephosphorylation in membrane fragments isolated from the electric organ of <i>Electrophorus electricus</i>	74 (1977) 71
Vaes, G., see C. Gillet	74 (1977) 126
Vännngård, T., see S. Rosén	74 (1977) 25
Verbert, A., R. Cacan, P. Debeire and J. Montreuil, Peculiar behavior of ectosialyltransferase toward exogenous acceptors	74 (1977) 234
Vorob'ev, V. I., see V. A. Pospelov	74 (1977) 229
Wagner, K. G., see J. Hoppe	74 (1977) 95
Waksman, A., see G. Cremel	74 (1977) 239
Warner, C. K. and H. Schaller, RNA polymerase—promoter complex stability on supercoiled and relaxed DNA	74 (1977) 215
Watts, P. D., see M. C. Jones-Mortimer	74 (1977) 17
Whitton, P. D. and D. A. Hems, Specificity of the glucose effect on hepatic glycogen synthesis: a glucose receptor in liver	74 (1977) 195
Wicklmayr, M., see G. Dietze	74 (1977) 205
Wiedner, G., see D. Schubert	74 (1977) 47
Wilbur, D. J. and A. Allerhand, Observation of ϵ -N-trimethyllysine residues of proteins by natural abundance carbon-13 nuclear magnetic resonance spectroscopy	74 (1977) 272
Wittinghofer, A., see W. H. Gast	74 (1977) 88
Woolley, P. and H. Eibl, Electrostatic interactions at charged lipid membranes. Can the lipid phase transformation affect enzyme activity through the mediation of protons?	74 (1977) 14
Yamamoto, H., see T. Ozawa	74 (1977) 99
Yamazaki, A., Y. Nishimura and T. Kamihara, Thermostable inhibitor(s) of pyruvate dehydrogenase complex from <i>Streptococcus faecalis</i>	74 (1977) 62
Yaniv, M., see G. N. Pagoulatos	74 (1977) 115