

AUTHOR INDEX

- Abbott, B.J., see May, S.W. (403) 245
- Andrieu, J.M., see Dray, F. (403) 131
- Arce-Paredoz, P., see Rojas-Espinosa, O. (403) 161
- Arima, K., see Suzuki, H. (403) 23
- Avigliano, L., see van Leeuwen, F.X.R. (403) 285
- Azzi, A., see Dionisi, O. (403) 292
- Bachhawat, B.K., see Balasubramanian, K.A. (403) 113
- Balasubramanian, K.A. and Bachhawat, B.K.
Purification, properties and glycoprotein nature of arylsulfatase A from sheep brain (403) 113
- Becker, E.L., see Tsung, P.K. (403) 98
- Benson, C.E. and Gots, J.S.
Regulation of GMP reductase in *Salmonella typhimurium* (403) 47
- Berry, C., Stellan, A. and Hallinan, T.
Guinea pig liver microsomal UDP-glucuronyltransferase: Compartmented or phospholipid-constrained? (403) 335
- Borgerud, A., see Mosbach, K. (403) 256
- Breithaupt, H., Omori-Satoh, T. and Lang, J.
Isolation and characterization of three phospholipases A from the crotoxin complex (403) 355
- Brill, W.J., see Davis, L.C. (403) 67
- Bussolotti, D.L., see Heller, J.S. (403) 197
- Butt, V.S., See Poulton, J.E. (403) 301
- Campbell, J. and Hornby, W.E.
Immobilized glutamate oxaloacetate transaminase. Steady state kinetic analysis and stability studies (403) 79
- Canellakis, E.S., see Heller, J.S. (403) 197
- Caprioli, R.M., see Heron, E.J. (403) 563
- Cestaro, B., see Venerando, B. (403) 461
- Chaiken, R., Pagano, D. and Detwiler, T.C.
Regulation of platelet phosphorylase (403) 315
- Chetverikova, E.P., see Shnoll, S.E. (403) 89
- Coquil, J.F., Virmaux, N., Mandel, P. and Goriadis, C.
Cyclic nucleotide phosphodiesterase of retinal photoreceptors. Partial purification and some properties of the enzyme (403) 425
- Čoupek, J., see Valentová, O. (403) 192
- Coward, J.K., see Heller, J.S. (403) 197
- Cunningham, W.L., see Ramage, P. (403) 473
- Danielsson, B., see Mosbach, K. (403) 256
- Dannenberg, Jr., A., see Rojas-Espinosa, O. (403) 161
- Davis, L.C., Shah, V.K. and Brill, W.J.
Nitrogenase. VII. Effect of component ratio, ATP and H₂ on the distribution of electrons to alternative substrates (403) 67
- Detwiler, T.C., see Chaiken, R. (403) 315
- Dionisi, O., Galeotti, T., Terranova, T. and Azzi, A.
Superoxide radicals and hydrogen peroxide formation in mitochondria from normal and neoplastic tissues (403) 292
- Doke, S.N., see Venugopal, V. (403) 521
- Dorozhko, A.I., see Kogan, Z.S. (403) 208
- Dray, F., Andrieu, J.M. and Renaud, F.
Enzyme immunoassay of progesterone at the picogram level using β -galactosidase as label (403) 131
- Druzhinina, T.N., Kusov, Y.Y., Shibaev, V.N. and Kochetkov, N.K.
Interaction of uridine diphosphate glucose with calf liver uridine diphosphate glucose dehydrogenase. Significance of hydroxyl groups at C-3, C-4 and C-6 of hexosyl residue (403) 1
- Eady, R.R., see Thorneley, R.N.F. (403) 269
- Eliseeva, G.I., see Shibaev, V.N. (403) 9
- Feinstein, G. and Janoff, A.
A rapid method for purification of human granulocyte cationic neutral proteases: Purification and characterization of human granulocyte chymotrypsin-like enzyme (403) 477
- Feinstein, G. and Janoff, A.
A rapid method of purification of human granulocyte cationic neutral pro-

- teases: Purification and further characterization of human granulocyte elastase (403) 493
- Fukui, T., see Kamogawa, A. (403) 326
- Galeotti, T., see Dionisi, O. (403) 292
- Goridis, C., see Coquil, J.F. (403) 425
- Goto, H., see Ogasawara, N. (403) 530
- Gots, J.S., see Benson, C.E. (403) 47
- Gray, G.M., see Wojnarowska, F. (403) 147
- Greenfield, N.J.
Circular dichroism studies of dihydrofolate reductase from a methotrexate-resistant strain of *Escherichia coli* B, MB 1428: Ternary complexes (403) 32
- Grinna, L.S.
Multiple thermal discontinuities in glucose-6-phosphatase activity (403) 388
- Hallinan, T., see Berry, C. (403) 335
- Hammar, L., Pählman, S. and Hjertén, S.
Chromatographic purification of a mammalian histidine decarboxylase on charged and non-charged alkyl derivatives of agarose (403) 554
- Harikumar, P., see Venugopal, V. (403) 521
- Heller, J.S., Canellakis, E.S., Bussolotti, D.L. and Coward, J.K.
Stable multisubstrate adducts as enzyme inhibitors. Potent inhibition of ornithine decarboxylase by N-(5'-phosphoryldoxyl)-ornithine (403) 197
- Heron, E.J. and Caprioli, R.M.
Classification of fructose-1,6-bisphosphate aldolases based on ^{18}O retention in the cleavage reaction (403) 563
- Hjertén, S., see Hammar, L. (403) 554
- Hochstein, L.I.
Studies of a halophilic NADH dehydrogenase. II. Kinetic properties of the enzyme in relation to salt activation (403) 58
- Hornby, W.E., see Campbell, J. (403) 79
- Hoshino, M.
Dissociation of Tetrahymena 30-S dynein into 14-S subunit by sonication (403) 544
- Ikezawa, H., see Sonoki, S. (403) 412
- Itoh, R., see Nishino, T. (403) 17
- Jackson, R.J. and Shiota, T.
The nature of the multiple forms of D-erythro-dihydroneopterin triphosphate synthetase (403) 232
- Janoff, A., see Feinstein, G. (403) 477
- Janoff, A., see Feinstein, G. (403) 493
- Kagan, Z.S., Dorozhko, A.I., Kovaleva, S.V. and Yakovleva, L.I.
Studies of homogeneous "biosynthetic" L-threonine dehydratase from *Escherichia coli* K-12. Some kinetic properties and molecular multiplicity (403) 208
- Kamenets, R.L., see Rojas-Espinosa, O. (403) 161
- Kamogawa, A. and Fukui, T.
Photooxidation of α -glucan phosphorylases from rabbit muscle and potato tubers (403) 326
- Kawachi, T., see Sasajima, K. (403) 139
- Kegeles, S.W., see Tsung, P.K. (403) 98
- Kindler, S.H., see Shabtai, Y. (403) 345
- Kochetkov, N.K., see Druzhinina, T.N. (403) 1
- Kochetkov, N.K., see Shibaev, V.N. (403) 9
- Konecny, J. and Slanicka, J.
The effects of buffer diffusion on the activity of an immobilized esterase (403) 573
- Kovaleva, S.V., see Kagan, Z.S. (403) 208
- Kregar, I., see Turnšek, T. (403) 514
- Kumta, U.S., see Venugopal, V. (403) 521
- Kusov, Y.Y., see Druzhinina, T.N. (403) 1
- Lang, J., see Breithaupt, H. (403) 355
- Lapka, R., see Valentová, O. (403) 192
- Lebez, D., see Turnšek, T. (403) 514
- Maglothlin, J.A., Wins, P. and Wilson, I.B.
Reactivation and aging of diphenyl phosphoryl acetylcholinesterase (403) 370
- Mandel, P., see Coquil, J.F. (403) 425
- Manthorpe, M. and McConnell, D.G.
Cyclic nucleotide phosphodiesterases associated with bovine retinal outer-segment fragments (403) 438
- Marushige, K., see Marushige, Y. (403) 180
- Marushige, Y. and Marushige, K.
Enzymatic unpacking of bull sperm chromatin (403) 180
- Matsushima, T., see Takeuchi, T. (403) 122
- Matsushima, T., see Takeuchi, T. (403) 456
- May, S.W., Schwartz, R.D., Abbott, B.J. and Zaborsky, O.R.
Structural effects on the reactivity of substrates and inhibitors in the epoxida-

- tion system of *Pseudomonas oleovorans* (403) 245
- McConnell, D.G., see Manthorpe, M. (403) 438
- Mizuta, K. and Tokushige, M.
Studies on aspartase. II. Role of sulfhydryl groups in aspartase from *Escherichia coli* (403) 221
- Mondovi, B., see van Leeuwen, F.X.R. (403) 285
- Morishima, I.
Cyclic nucleotide phosphodiesterases in silkworm: Developmental change of cyclic AMP and cyclic GMP phosphodiesterases (403) 106
- Mosbach, K., Danielsson, B., Borgerud, A. and Scott, M.
Determination of heat changes in the proximity of immobilised enzymes with an enzyme thermistor and its use for the assay of metabolites (403) 256
- Mura, M., see Takeuchi, T. (403) 456
- Nishino, T., Itoh, R. and Tsushima, K.
Studies on chicken liver xanthine dehydrogenase with reference to the problem of non-equivalence of FAD moieties (403) 17
- Ogasawara, N., Goto, H. and Watanabe, T.
Isozymes of rat AMP deaminase (403) 530
- Ogura, Y., see Suzuki, H. (403) 23
- Omori-Satoh, T., see Breithaupt, H. (403) 355
- Pagano, D., see Chaiken, R. (403) 315
- Påhlman, S., see Hammar, L. (403) 554
- Patzelt-Wenzler, R. and Schoner, W.
Disulfide of thioinosine triphosphate, an ATP-analog inactivating ($\text{Na}^+ + \text{K}^+$)-ATPase (403) 538
- Perlman, R.L., see Ullman, B. (403) 393
- Poulton, J.E. and Butt, V.S.
Purification and properties of S-adenosyl-L-methionine: caffeic acid O-methyltransferase from leaves of spinach beet (*Beta Vulgaris* L.) (403) 301
- Radhakrishnan, A.N., see Ramaswamy, S. (403) 446
- Ramage, P. and Cunningham, W.L.
The occurrence of low α -L-fucosidase activities in normal human serum (403) 473
- Ramaswamy, S. and Radhakrishnan, A.N.
Lactase-phlorizin hydrolase complex from monkey small intestine: Purification, properties and evidence for two catalytic sites (403) 446
- Renaud, F., see Dray, F. (403) 131
- Rojas-Espinosa, O., Arce-Paredoz, P., Dannenberg, Jr, A. and Kamenets, R.L.
Macrophage esterase: Identification, purification and properties of a chymotrypsin-like esterase from lung that hydrolyses and transfers nonpolar amino acid esters (403) 161
- Rosenberg, E., see Shabtai, Y. (403) 345
- Sagimura, T., see Sasajima, K. (403) 139
- Sasajima, K., Kawachi, T., Sato, S. and Sugimura, T.
Purification and properties of α, α -trehalase from the mucosa of rat small intestine (403) 139
- Sasaki, R., see Takeuchi, T. (403) 456
- Sato, S., see Sasajima, K. (403) 139
- Schoner, W., see Patzelt-Wenzler, R. (403) 538
- Schwartz, R.D., see May, S.W. (403) 245
- Scott, M., see Mosbach, K. (403) 256
- Shabtai, Y., Rosenberg, E. and Kindler, S.H.
Aspartokinase isoenzymes of the fruiting myxobacterium *Myxococcus xanthus* (403) 345
- Shah, V.K., see Davis, L.C. (403) 67
- Shibaev, V.N., see Druzhinina, T.N. (403) 1
- Shibaev, V.N., Eliseeva, G.I. and Kochetkov, N.K.
Interaction of uridine diphosphate glucose analogs with calf liver uridine diphosphate glucose dehydrogenase. Influence of substituents at C-5 of pyrimidine nucleus (403) 9
- Shiota, T., see Jackson, R.J. (403) 232
- Shnoll, S.E. and Chetverikova, E.P.
Synchronous reversible alterations in enzymatic activity (conformational fluctuations) in actomyosin and creatine kinase preparations (403) 89
- Showell, H.J., see Tsung, P.K. (403) 98
- Slanicka, J., see Konecny, J. (403) 573
- Sonoki, S. and Ikezawa, H.
Studies on phospholipase C from *Pseudomonas aureofaciens*. I. Purification and some properties of phospholipase C (403) 412
- Stellon, A., see Berry, C. (403) 335
- Sugimura, T., see Takeuchi, T. (403) 122
- Sugimura, T., see Takeuchi, T. (403) 456
- Suzuki, H., Ogura, Y., Yamada, H. and

- Arima, K.
Studies on sulfhydryl groups of *Aspergillus niger* amine oxidase (403) 23
- Takeuchi, T., Matsushima, T. and Sugimura, T.
Electrophoretic and immunological properties of liver α -amylase of well-fed and fasted rats (403) 122
- Takeuchi, T., Mura, M., Sasaki, R., Matsushima, T. and Sugimura, T.
Comparative studies on electrophoretic mobility and immunogenicity of pancreatic and parotid amylases of rat (403) 456
- Terranova, T., see Dionisi, O. (403) 292
- Tettamanti, G., see Venerando, B. (403) 461
- Thorneley, R.N.F., Eady, R.R. and Yates, M.G.
Nitrogenase of *Klebsiella pneumoniae* and *Azotobacter chroococcum*: Complex formation between the component proteins (403) 269
- Tokushige, M., see Mizuta, K. (403) 221
- Tsung, P.K., Kegeles, S.W., Showell, H.J. and Becker, E.L.
Isolation of an N-acetyl-DL-phenylalanine- β -naphthyl esterase from rabbit peritoneal polymorphonuclear leukocytes (403) 98
- Tsushima, K., see Nishino, T. (403) 17
- Turková, J., see Valentová, O. (403) 192
- Turková, J., see Vavreinová, S. (403) 506
- Turnšek, T., Kregar, I. and Lebez, D.
Acid sulphhydryl protease from calf lymph nodes (403) 514
- Ullman, B. and Perlman, R.L.
Purification and characterization of a phosphoprotein phosphatase from bovine adrenal cortex (403) 393
- Valentová, O., Turková, J., Lapka, R., Zima, J. and Čoupek, J.
Pepsin immobilized by covalent fixation to hydroxyalkyl methacrylate gels: Preparation and characterization (403) 192
- van Gelder, B.F., see van Leeuwen, F.X.R. (403) 285
- van Leeuwen, F.X.R., Wever, R., van Gelder, B.F., Avigliano, L. and Mondovi, B.
The interaction of nitric oxide with ascorbate oxidase (403) 285
- Vavreinová, S. and Turková, J.
SH-Proteinase from bean *Phaseolus vulgaris* Perlicka (403) 506
- Venerando, B., Tettamanti, G., Cestaro, B. and Zambotti, V.
Studies of brain cytosol neuraminidase. I. Isolation and partial characterization of two forms of the enzyme from pig brain (403) 461
- Venugopal, V., Harikumar, P., Doke, S.N. and Kumta, U.S.
Regulatory responses of arginine deiminase in whole cells of *Clostridium sporogenes* (403) 521
- Virmaux, N., see Coquil, J.F. (403) 425
- Watanabe, T., see Ogasawara, N. (403) 530
- Wever, R., see van Leeuwen, F.X.R. (403) 285
- Wilson, I.B., see Maglothlin, J.A. (403) 370
- Wins, P., see Maglothlin, J.A. (403) 370
- Wojnarowska, F. and Gray, G.M.
Intestinal surface peptide hydrolases: Identification and characterization of three enzymes from rat brush border (403) 147
- Yakovleva, L.I. see Kogan, Z.S. (403) 208
- Yamada, H., see Suzuki, H. (403) 23
- Yates, M.G., see Thorneley, R.N.F. (403) 269
- Zaborsky, O.R., see May, S.W. (403) 245
- Zambotti, V., see Venerando, B. (403) 461
- Zima, J., see Valentová, O. (403) 192