

AUTHOR INDEX

- Alhadeff, J.A., Cimino, G., Janowsky, A. and O'Brien, J.S.
Human liver glycoprotein sialyltransferase (484) 307
- Anderson, M., see Dafforn, A. (484) 375
- Asano, T., see Hidaka, H. (484) 398
- Ash, D., see Dafforn, A. (484) 375
- Barker, S.A., see Kennedy, J.F. (484) 115
- Bergmann, F., Levene, L. and Govrin, H.
Oxidation of hypoxanthines, bearing 8-aryl or 8-pyridyl substituents, by bovine milk xanthine oxidase (484) 275
- Berthelot, P., see Guellaen, G. (484) 465
- Beutler, E., see Mayes, J.S. (484) 408
- Boivin, P., see Etiemble, J. (484) 348
- Brendel, W., see Von Specht, B.-U. (484) 109
- Buc, H., see Kotlarz, D. (484) 35
- Campagna, J., see Dafforn, A. (484) 375
- Campbell, I.D., Lindskog, S. and White, A.I.
Proton magnetic resonance studies of histidines in human, rhesus monkey, and bovine carbonic anhydrases (484) 443
- Cannella, C., see Pensa, B. (484) 368
- Canonica, L., see Marchesini, A. (484) 290
- Capelletti, P., see Marchesini, A. (484) 290
- Carlberg, I. and Mannervik, B.
Purification by affinity chromatography of yeast glutathione reductase, the enzyme responsible for the NADPH-dependent reduction of the mixed disulfide of coenzyme A and glutathione (484) 268
- Carter, D.B., Ross, D.A., Ishaq, K.S., Suarez, G.M. and Chae, C.-B.
The inhibition of rat liver chromatin protease by congeners of the phenylboronic acids (484) 103
- Cavallini, D., see Pensa, B. (484) 368
- Chae, C.-B., see Carter, D.B. (484) 103
- Cimino, G., see Alhadeff, J.A. (484) 307
- Coffe, G. and Pudles, J.
Chemical reactivity of the tyrosyl residues in yeast hexokinase. Properties of the nitroenzyme (484) 322
- Collen, D., see Edy, J. (484) 423
- Costa, M., see Pensa, B. (484) 368
- Cottam, G.L., see Kohl, E.A. (484) 49
- Cottrell, R.G., see Džazić, M. (484) 476
- Dafforn, A., Anderson, M., Ash, D., Campagna, J., Daniel, E., Horwood, R., Kerr, P., Rych, G. and Zappitelli, F.
The mode of binding of potential transition-state analogs to acetylcholinesterase (484) 375
- Dancker, P. and Löw, I.
Dual effect of Ca^{2+} on ultrasonic ATPase activity and polymerization of muscle actin (484) 169
- Daniel, E., see Dafforn, A. (484) 375
- Danieli, B., see Marchesini, A. (484) 290
- Danieli, B., see Marchesini, A. (484) 290
- Davison, L.M., see Vander Jagt, D.L. (484) 260
- De Jong, D.W. and Woodlief, W.G.
Fluorimetric assay of tobacco leaf dehydrogenases with resazurin (484) 249
- Doellgast, G.J., Spiegel, J., Guenther, R.A. and Fishman, W.H.
Studies on human placental alkaline phosphatase. Purification by immunoabsorption and comparison of the "A" and "B" forms of the enzyme (484) 59
- Drahota, Z., see Houšťěk, J. (484) 127
- Džazić, M. and Cottrell, R.C.
Some properties of the membrane-bound and solubilised forms of the protein disulphide isomerase of rat liver microsomes (484) 476
- Dubrow, R. and Pizer, L.I.
A conformational change in phosphoglycerate dehydrogenase induced by a shift in pH (484) 244
- Edy, J. and Collen, D.
The interaction in human plasma of antiplasmin, the fast-reacting plasmin inhibitor, with plasmin, thrombin, trypsin and chymotrypsin (484) 423
- Etiemble, J. and Boivin, P.
Complex kinetics of human leukocyte and platelet pyruvate kinases (484) 348

- Fishbein, W.N.
Formamide: the minimum-structure substrate for urease (484) 433
- Fishman, W.H., see Doellgast, G.J. (484) 59
- Fujii, S., see Tamura, Y. (484) 417
- Gawron, O. and Jones, L.
Structural basis for aconitase activity inactivation by butanedione and binding of substrates and inhibitors (484) 453
- Gorbacheva, I.V. and Rodionova, N.A.
Studies on xylan-degrading enzyme. I. Purification and characterization of endo-1,4- β -xylanase from *Aspergillus niger* str. 14 (484) 79
- Gorbacheva, I.V. and Rodionova, N.A.
Studies on xylan-degrading enzymes. II. Action pattern of endo-1,4- β -xylanase from *Aspergillus niger* str. 14 on xylan and xylooligosaccharides (484) 94
- Govrin, H., see Bergmann, F. (484) 275
- Guellaen, G., Mahu, J.-L., Mavie, P., Berthelot, P. and Hanoune, J.
RMI 12330 A, an inhibitor of adenylate cyclase in rat liver (484) 465
- Guenther, R.A., see Doellgast, G.J. (484) 59
- Hanoune, J., see Guellaen, G. (484) 465
- Harris, B.G., see Yeltman, D.R. (484) 188
- Hidaka, H., Yamaki, T., Ochiai, Y., Asano, T. and Yamabe, H.
Cyclic 3':5'-nucleotide phosphodiesterase determined in various human tissues by DEAE-cellulose chromatography (484) 398
- Hirado, M., see Tamura, Y. (484) 417
- Honma, T. and Ogura, Y.
Kinetic studies of the old yellow enzyme. I. The reaction mechanism of the enzyme with reduced nicotinamide adenine dinucleotide (484) 9
- Horwood, R., see Dafforn, A. (484) 375
- Houštěk, J. and Drahota, Z.
Purification and properties of mitochondrial adenosine triphosphatase of hamster brown adipose tissue (484) 127
- Ishaq, K.S., see Carter, D.B. (484) 103
- Ishibashi, T., Ohkubo, I. and Makita, A.
Solubilization and partial characterization of UDP-N-acetyl-galactosamine:globoside α -N-acetylgalactosaminyltransferase from dog spleen microsomes (484) 24
- Janowsky, A., see Alhadeff, J.A. (484) 307
- Jefferson, L.A. and Pegg, A.E.
Studies on ornithine decarboxylase activity in the isolated perfused rat liver (484) 177
- Johansson, C.-J. and Pettersson, G.
Substrate-inhibition by acetyl-CoA in the condensation reaction between oxaloacetate and acetyl-CoA catalyzed by citrate synthase from pig heart (484) 208
- Jones, L., see Gawron, O. (484) 453
- Kawai, S., see Takeda, K. (484) 301
- Kennedy, J.F., Barker, S.A. and Pike, V.W.
Active water-insoluble derivatives of papain and other enzymes based on pre-formed diazonium-type supports (484) 115
- Kerr, P., see Dafforn, A. (484) 375
- Kohl, E.A. and Cottam, G.L.
Kinetic studies with L-type pyruvate kinase from rats either fed a high carbohydrate, low protein diet or starved (484) 49
- Konno, K., see Takeda, K. (484) 301
- Kotlarz, D. and Buc, H.
Two *Escherichia coli* fructose-6-phosphate kinases. Preparative purification, oligomeric structure and immunological studies (484) 35
- Leonard, J.L. and Rosenberg, L.L.
Studies on a cyclic AMP-dependent protein kinase from rat thyroid gland (484) 336
- Levene, L., see Bergmann, F. (484) 275
- Lindenmayer, G.E., see Wang, T. (484) 140
- Lindskog, S., see Campbell, I.D. (484) 443
- Löw, I., see Dancker, P. (484) 169
- Mahu, J.-L., see Guellaen, G. (484) 465
- Makita, A., see Ishibashi, T. (484) 24
- Mannervik, B., see Carlberg, I. (484) 268
- Marchesini, A., Capelletti, P., Canonica, L., Danieli, B. and Tollari, S.
Evidence about the catecholoxidase activity of the enzyme ascorbate oxidase extracted from *Cucurbita pepo* medullosa (484) 290
- Mavie, P., see Guellaen, G. (484) 465
- Mayes, J.S. and Beutler, E.
Alpha-galactosidase A from human placenta. Stability and subunit size (484) 408
- McTigue, J.J., see Van Etten, R.L. (484) 386
- Minato, Y., see Tamura, Y. (484) 417
- O'Brien, J.S., see Alhadeff, J.A. (484) 307
- Ochiai, Y., see Hidaka, H. (484) 398

- Ogura, Y., see Honma, T. (484) 9
 Ohkubo, I., see Ishibashi, T. (484) 24
 Okamura, K., see Tamura, Y. (484) 417
- Pecci, L., see Pensa, B. (484) 368
 Pegg, A.E., see Jefferson, L.S. (484) 177
 Pensa, B., Costa, M., Pecci, L. Cannella, C. and Cavallini, D.
 Selective reactivity of rhodanese sulfhydryl groups with 5,5'-dithio-bis(2-nitrobenzoic acid) (484) 368
 Pettersson, G.
 Substrate-inhibition and substrate-activation in the random-order ternary-complex mechanism for enzyme reactions involving two substrates (484) 199
 Pettersson, G., see Johansson, C.-J. (484) 208
 Pfleiderer, G., see Tuengler, P. (484) 1
 Pike, V.W., see Kennedy, J.F. (484) 115
 Pizer, L.I., see Dubrow, R. (484) 244
 Pospelova, T.A., see Yakusheva, M.I. (484) 216
 Poznanskaya, A.A., see Yakusheva, M.I. (484) 216
 Poznanskaya, A.A., Yakusheva, M.I. and Yakovlev, V.A.
 Study on the mechanism of action of adenosylcobalamin-dependent glycerol dehydratase from *Aerobacter aerogenes*. II. The inactivation kinetics of glycerol dehydratase complexes with adenosylcobalamin and its analogs (484) 236
 Pudles, J., see Coffe, G. (484) 322
- Richards, W.L. and Serif, G.S.
 Canine thyroid fucokinase (484) 353
 Robinson, J.D.
 K^+ stimulation of ADP/ATP exchange catalyzed by the $(Na^+ + K^+)$ -dependent ATPase (484) 161
 Rodionova, N.A., see Gorbacheva, I.V. (484) 79
 Rodionova, N.A., see Gorbacheva, I.V. (484) 94
 Rosenberg, L.L., see Leonard, J.L. (484) 336
 Ross, D.A., see Carter, D.B. (484) 103
 Rudakova, I.P., see Yakusheva, M.I. (484) 216
 Rych, G., see Dafforn, A. (484) 375
- Saini, M.S., see Van Etten, R.L. (484) 487
 Schwartz, A., see Wang, T. (484) 140
 Serif, G.S., see Richards, W.L. (484) 353
 Spiegel, J., see Doellgast, G.J. (484) 59
 Suarez, G.M., see Carter, D.B. (484) 103
- Takeda, K., Kawai, S., Tetsuka, T. and Konno, K.
 Different responses to some stimulators of prolyl hydroxylase activities in various rat organs (484) 301
 Tamura, Y., Hirado, M., Okamura, K., Minato, Y. and Fujii, S.
 Synthetic inhibitors of trypsin, plasmin, kallikrein, thrombin, C_{1r} and C_1 esterase (484) 417
 Tetsuka, T., see Takeda, K. (484) 301
 Tollari, S., see Marchesini, A. (484) 290
 Tuengler, P. and Pfleiderer, G.
 Enhanced heat, alkaline and tryptic stability of acetamidinated pig heart lactate dehydrogenase (484) 1
- Vander Jagt, D.L. and Davison, L.M.
 Purification and characterization of 2-oxoaldehyde dehydrogenase from rat liver (484) 260
 Van Etten, R.L. and McTigue, J.J.
 pH-dependence and solvent isotope effects in the hydrolysis of phosphomonoesters by human prostatic acid phosphatase (484) 386
 Van Etten, R.L. and Saini, M.S.
 Preparation of homogeneous human prostatic acid phosphatase using concanavalin A-Sepharose 4-B (484) 487
 Von Specht, B.-U. and Brendel, W.
 Preparation and properties of trypsin and chymotrypsin coupled covalently to poly(N-vinylpyrrolidone) (484) 109
- Wang, T., Lindenmayer, G.E. and Schwartz, A.
 Steady-state kinetic study of magnesium and ATP effects on ligand affinity and catalytic activity of sheep kidney sodium, potassium-adenosinetriphosphatase (484) 140
 White, A.I., see Campbell, I.D. (484) 443
 Woodlief, W.C., see De Jong, D.W. (484) 249
- Yakovlev, V.A., see Poznanskaya, A.A. (484) 236
 Yakovlev, V.A., see Yakusheva, M.I. (484) 216
 Yakusheva, M.I., see Poznanskaya, A.A. (484) 236
 Yakusheva, M.I., Poznanskaya, A.A., Pospelova, T.A., Rudakova, I.P., Yurkevich, A.M. and Yakovlev, V.A.
 Study on the mechanism of action of adenosylcobalamin-dependent glycerol

- dehydratase from *Aerobacter aerogenes*.
I. Role of structural components of
adenosylcobalamin in the formation of
the active site of glycerol dehydratase
(484) 216
- Yamabe, H., see Hidaka, H. (484) 398
- Yamaki, T., see Hidaka, H. (484) 398
- Yeltman, D.R. and Harris, B.G.
Purification and characterization of aldo-
lase from human erythrocytes (484) 188
- Yurkevich, A.M., see Yakusheva, M.I. (484)
216
- Zappitelli, F., see Dafforn, A. (484) 375