

AUTHOR INDEX

- Abdolrasulnia, R. and Wood, J.L.
Transfer of persulfide sulphur from thio-
cystine to rhodanese (567) 135
- Adams, J.B. and McDonald, D.
Enzymic synthesis of steroid sulphates.
XII. Isolation of dehydroepiandrosterone
sulphotransferase from human adrenals
by affinity chromatography (567) 144
- Augustinsson, K.-B., see Eriksson, H. (567)
161
- Bajin, K., see Kovačević, Z. (567) 216
- Balasubramanian, A.S., see Lakshmi, S.
(567) 184
- Balfe, C.A., see Buttlair, D.H. (567) 453
- Barnett, P. and Rosenberry, T.L.
Functional identity of catalytic subunits
of acetylcholinesterase (567) 154
- Barth, R., see Matern, H. (567) 503
- Baumgartner, F., see Philipson, K.D. (567)
523
- Berezin, I.V., see Torchilin, V.P. (567) 1
- Blakemore, J.I., see Ullman, E.F. (567) 66
- Boghossian, R.A. and McGuinness, E.T.
Affinity purification and properties of
procine brain aldose reductase (567) 278
- Bongaerts, G.P. and Vogels, G.D.
Mechanism of uricase action (567) 295
- Breberina, M., see Kovačević, Z. (567) 216
- Brodbeck, U., Schweikert, K., Gentinetta, R.
and Rottenberg, M.
Fluorinated aldehydes and ketones acting
as quasi-substrate inhibitors of acetyl-
cholinesterase (567) 357
- Brouwer-Kelder, B., see Schram, A.W. (567)
370
- Buddecke, E., see Niemann, R. (567) 196
- Burk, T.L., see De Rosa, G. (567) 116
- Buttlair, D.H., Balfe, C.A., Wendland, M.F.
and Himes, R.H.
Carbamyl phosphate-dependent ATP syn-
thesis catalyzed by formyltetrahydro-
folate synthetase (567) 453
- Calberg-Bacq, C.M., see Francois, C. (567)
106
- Christiansen, C., see Esmann, M. (567) 410
- Christensen, U., Sottrup-Jensen, L., Magnus-
son, S., Petersen, T.E. and Clemmensen,
I.
Enzymic properties of the neo-plasmin-
Val-442 (miniplasmin) (567) 472
- Citri, N., see Klemes, Y. (567) 401
- Clemmensen, I., see Christensen, U. (567)
472
- Da Costa Maia, J.C., see Gomes, S.L., (567)
257
- Da Costa Maia, J.C., see Juliani, M.H. (567)
347
- Dalziel, K., see Reynolds, C.H. (567) 287
- De Pont, J.J.H.H.M.
Reversible inactivation of $(\text{Na}^+ + \text{K}^+)$ -
ATPase by use of a cleavable bifunctional
reagent (567) 247
- De Rosa, G., Burk, T.L. and Swick, R.W.
Isolation and characterization of mito-
chondrial alanine aminotransferase from
porcine tissues (567) 116
- Diem, S., see Jakob, A. (567) 174
- Donker-Koopman, W.E., see Schram, A.W.
(567) 370
- Ekhurutomwen, S.A., see Umezurike, G.N.
(567) 331
- Eriksson, H. and Augustinsson, K.-B.
A mechanistic model for butyrylcholin-
esterase (567) 161
- Esmann, M., Skou, J.C. and Christiansen, C.
Solubilization and molecular weight deter-
mination of the $(\text{Na}^+ + \text{K}^+)$ -ATPase from
rectal glands of *Squalus acanthias* (567)
410
- Esmann, M., see Skou, J.C. (567) 436
- Evans, H.J., see Peterson, J.B. (567) 445
- Feinstein, G., see Levy, H. (567) 35
- Findlater, J.D., see Woods, M.J. (567) 225
- Fischman, G.J., Lambert, M.W. and Stud-
zinski, G.P.
Purification and properties of a nuclear
DNA endonuclease from HeLa S_3 cells
(567) 464
- Francois, C., Calberg-Bacq, C.M., Gosselin,
L., Kozma, S. and Osterrieth, P.M.
Identification, partial purification and
biochemical characterization of γ -gluta-
myl transpeptidase present as a mem-
brane component in skimmed milk and

- milk-fat globule membranes, and in mammary tumour virus from the milk of infected mice (567) 106
- Fry, D.W. and Richardson, K.E.
Isolation and characterization of glycolic acid dehydrogenase from human liver (567) 482
- Fuchs, C., see Lengfelder, D. (567) 492
- Gennaro, R., Mottola, C., Schneider, C. and Romeo, D.
 Ca^{2+} -dependent ATPase activity of alveolar macrophage plasma membrane (567) 238
- Gentinetta, R., see Brodbeck, U. (567) 357
- Giles, N.H., see Patel V.B. (567) 24
- Gomes, S.L. and Da Costa Maia, J.C.
Differential effects of manganese ions on *Blastocladiella emersonii* adenylate cyclase (567) 257
- Gosselin, L., see Francois, C. (567) 106
- Grant, D.A.W., Magee, A.I. and Hermon-Taylor, J.
Hydrolysis of artificial substrates by enterokinase and trypsin and the development of a sensitive specific assay for enterokinase in serum (567) 207
- Hamers, M.N., see Schram, A.W. (567) 370
- Harmison, G.G., see Rafter, G.W. (567) 18
- Hata, T., see Ohtsuru, M. (567) 384
- Hermans, L.
Purification of mitochondrial NADH dehydrogenase from *Drosophila hydei* and comparison with the "heat-shock" polypeptides (567) 125
- Hermon-Taylor, J., see Grant, D.A.W. (567) 207
- Himes, R.H., see Buttlair, D.H. (567) 453
- Holzer, H., see Matern, H. (567) 503
- Huth, H., see Trommer, W.E. (567) 49
- Inokuchi, H., see Kimura, K. (567) 96
- Jakob, A. and Diem, S.
On the control of hepatic phosphorylase phosphatase by ATP, ADP and Mg^{2+} (567) 174
- Jakobson, I., see Mannervik, B. (567) 43
- Juliani, M.H., and Da Costa Maia, J.C.
Cyclic AMP-dependent and -independent protein kinase of the water mold, *Blastocladiella emersonii* (567) 347
- Kato, Y., see Tatsumi, K. (567) 75
- Kean, E.A. and Morrison, E.Y.S.A.
Isolation of a branched-chain α -keto acid decarboxylase from rat liver (567) 12
- Kimura, K., Suzuki, A., Inokuchi, H. and Yagi, T.
Hydrogenase activity in the dry state. II. Isotope exchange and reversible oxidation-reduction of cytochrome c_3 (567) 96
- Kitamura, S., see Tatsumi, K. (567) 75
- Klimes, Y. and Citri, N.
Catalytic and conformational properties of cross-linked derivatives of penicillinase (567) 401
- Klibanov, A.M., see Torchilin, V.P. (567) 1
- Koga, N., see Tatsumi, K. (567) 75
- Kovačević, Z., Breberina, M., Pavlović, M. and Bajin, K.
Molecular form and kinetic properties of phosphate-dependent glutaminase in the mitochondria isolated from the kidneys of normal and acidotic rats (567) 216
- Kozma, S., see Francois, C. (567) 106
- Lakshmi, S. and Balasubramanian, A.S.
Studies on the chaotropically solubilized aryl sulfatase C and estrone sulfatase of sheep brain (567) 184
- Lambert, M.W., see Fischman, G.-J. (567) 464
- Lengfelder, D., Fuchs, C., Younes, M. and Weser, U.
Functional aspects of the superoxide dismutative action of Cu-penicillamine (567) 492
- Leute, E., see Ullman, E.F. (567) 66
- Levy, H. and Feinstein, G.
The digestion of the oxidized B chain of insulin by human neutrophil proteases. Elastase and chymotrypsin-like protease (567) 35
- Loonen, C., see Schram, A.W. (567) 370
- MacQuarrie, R., see Smith, R.E. (567) 269
- Magee, A.I., see Grant, D.A.W. (567) 207
- Maggio, E., see Ullman, E.F. (567) 66
- Magnusson, S., see Christensen, U. (567) 472
- Maksimenko, A.V., see Torchilin, V.P. (567) 1
- Mannervik, B., Jakobson, I. and Warholm, M.
A new procedure to derive weighting factors for nonlinear regression analysis applied to enzyme kinetic data (567) 43
- Martinek, K., see Torchilin, V.P. (567) 1
- Matern, H., Barth, R. and Holzer, H.
Chemical and physical properties of the carboxypeptidase Y-inhibitor from baker's yeast (567) 503
- McDonald, D., see Adams, J.B. (567) 144
- McGuinness, E.T., see Boghosian, R.A. (567) 278
- Morrison, E.Y.S.A., see Kean, E.A. (567) 12
- Mottola, C., see Gennaro, R. (567) 238

- Nagasawa, K., see Oshima, G. (567) 392
- Niemann, R. and Buddecke, E.
 Acceptor-specific glucuronyl transfer
 catalysed by β -glucuronidase (567) 196
- Noronha, J.M., see Viswanathan, G. (567)
 325
- Ohtsuru, M. and Hata, T.
 The interaction of L-ascorbic acid with
 the cative center of myrosinase (567) 384
- Oltmann, L.F., see Schoenmaker, G.S.
 (567) 511
- Orsi, B.A., see Woods, M.J. (567) 225
- Oshima, G., Shimabukuro, H. and Nagsawa,
 K.
 Mode of action of bacterial collagenase
 on a synthetic substrate, (Pro-Pro-Gyl)₅
 (567) 392
- Osterrieth, P.M., see Francois, C. (567) 106
- Pai, S.H., see Rahmsdorf, H.J. (567) 399
- Patel, V.B. and Giles, N.H.
 Purification of the arom multienzyme
 aggregate from *Euglena gracilis* (567) 24
- Pavlović, M., see Kovačević, Z. (567) 216
- Petersen, T.E., see Christensen, U. (567) 472
- Peterson, J.B. and Evans, H.J.
 Phosphoenolpyruvate carbxyase from
 soybean nodule cytosol. Evidence for iso-
 enzymes and kinetics of the most active
 component (567) 445
- Philipson, K.D. and Baumgartner, F.
 (Ca²⁺ + Mg²⁺)-ATPase activator. Its pres-
 ence in human red blood cells and rabbit
 skeletal muscle (567) 522
- Rafter, G.W. and Marmison, G.G.
 Dilsulfide-disulfide interchange catalyzed
 by a liver supernatant enzyme (567) 18
- Rahmsdorf, H.J. and Pai, S.-H.
 Protein kinase of *Dictyostelium discoi-*
deum, strain AX-2 (567) 339
- Reynolds, C.H. and Dalziel, K.
 Factors affecting coenzyme binding and
 subunit interactions in glyceraldehyde-3-
 phosphate dehydrogenase (567) 287
- Richardson, K.E., see Fry, D.W. (567) 482
- Rivedal, E. and Sanner, T.
 Role of ions in the regulation of porcine
 lactate dehydrogenase (567) 60
- Romeo, D., see Gennaro, R. (567) 238
- Rosenberry, T.L., see Barnett, P. (567) 154
- Rottenberg, M., see Brodbeck, U. (567) 357
- Sanner, T., see Rivedal, E. (567) 60
- Schink, B. and Schlegel, H.G.
 The membrane-bound hydrogenase of
Alcaligenes eutrophys. I. Solubilization,
 purification, and biochemical properties
 (567) 315
- Schlegel, H.G., see Schink, B. (567) 315
- Schneider, C., see Gennaro, R. (567) 238
- Schoenmaker, G.S., Oltmann, L.F. and
 Stouthamer, A.H.
 Purification and properties of the mem-
 brane-bound hydrogenase from *Proteus*
mirabilis (567) 511
- Schram, A.W., Brouwer-Kelder, B., Donker-
 Koopman, W.E., Loonen, C., Hamers,
 M.N. and Tager, J.M.
 Use of immobilized antibodies in inves-
 tigating acid α -glucosidase in urine in rela-
 tion to Pompe's disease (567) 370
- Schweikert, K., see Brodbeck, U. (567) 357
- Shimabukuro, H., see Oshima, G. (567) 392
- Skou, J.C., see Esmann, M. (567) 410
- Skou, J.C.
 Effects of ATP on the intermediary steps
 of the reaction of the (Na⁺ + K⁺)-ATPase.
 IV. Effect of ATP on K_{0.5} for Na⁺ and on
 hydrolysis at different pH and tempera-
 ture (567) 421
- Skou, J.C. and Esmann, M.
 Preparation of membrane-bound and of
 solubilized (Na⁺ + K⁺)-ATPase from rectal
 glands of *Squalus acanthias*. The effect of
 preparative procedures on purity, specific
 and molecular activity (567) 436
- Smirnov, V.N., see Torchilin, V.P. (567) 1
- Smith, R.E. and MacQuarrie, R.
 The role of cysteine residues in the cata-
 lytic activity of glycerol-3-phosphate
 dehydrogenase (567) 269
- Sottrup-Jensen, L., see Christensen, Y. (567)
 472
- Stelmaszyńska, T., see Zgliczyński, J.M.
 (567) 309
- Stouthamer, A.H., see Schoenmaker, G.S.
 (567) 511
- Studzinski, G.P., see Fischman, G.J. (567)
 464
- Swick, R.W., see De Rosa, G. (567) 116
- Suzuki, A., see Kimura, K. (567) 96
- Tager, J.M., see Schram, A.W. (567) 370
- Tatsumi, K., Koga, N., Kitamura, S., Yoshi-
 mura, H., Wardman, P. and Kato, Y.
 Enzymatic cis-trans isomerization of
 nitrofur derivatives. Isomerizing activ-
 ity of xanthine oxidase, lipoyl dehydro-
 genase, DT-diaphorase and liver micro-
 somes (567) 75
- Thomas, J.H. and Varandani, P.T.
 Insulin degradation. XXV. Glutathione-

- insulin transdehydrogenase activity of rat liver and kidney during the development of streptozotocin-diabetes (567) 88
- Torchilin, V.P., Maksimenko, A.V., Smirnov, V.N., Berezin, I.V., Klibanov, A.M. and Martinek, K.
The principles of enzyme stabilization. IV. Modification of "key" functional in tertiary structure of proteins (567) 1
- Trommer, W.E., Huth, H. and Wenzel, H.R.
The nature of the substrate inhibition in lactate dehydrogenase as studied by a spin-labeled derivative of NAD^+ (567) 49
- Ullman, E.F., Yoshida, R.A., Blakemore, J.I., Maggio, E. and Leute, R.
Mechanism of inhibition of malate dehydrogenase by thyroxine derivatives and reactivation by antibodies. Homogeneous enzyme immunoassay for thyroxine (567) 66
- Umezurike, G.N. and Ekhurutomwen, S.A.
Some properties of starch phosphorylase from cotyledons of germinating seeds of *Voandzeia subterranea* (567) 331
- Varandani, P.T., see Thomas, J.H. (567) 88
- Viswanathan, G. and Noronha, J.M.
Studies on a membrane-bound and solubility ribonucleotide reductase preparation from *Escherichia coli* TAU⁻ (567) 325
- Vogels, G.D., see Bongaerts, G.P. (567) 295
- Wardman, P., see Tatsumi, K. (567) 75
- Warholm, M., see Mannervik, B. (567) 43
- Wendland, M.F., see Buttlare, D.H. (567) 453
- Wenzel, H.R., see Trommer, W.E. (567) 49
- Weser, U., see Lengfelder, D. (567) 492
- Wood, J.L., see Abdolrasulnia, R. (567) 135
- Woods, M.J., Findlater, J.D. and Orsi, B.A.
Kinetic mechanism of the aliphatic amidase from *Pseudomonas aeruginosa* (567) 225
- Yagi, T., see Kimura, K. (567) 96
- Yoshida, R.A., see Ullman, E.F. (567) 66
- Yoshimura, H., see Tatsumi, K. (567) 75
- Younes, M., see Lengfelder, D. (567) 492
- Zgliczyński, J.M. and Stelmaszyńska, T.
Hydrogen cyanide and cyanogen chloride formation by the myeloperoxidase- H_2O_2 - Cl^- system (567) 309