

AUTHOR INDEX

- ABBOTT, M. T., E. K. SCHANDL, R. F. LEE,
T. S. PARKER AND R. J. MIDGETT
(Cofactor requirements of thymine 7-
hydroxylase) 525
- ABELES, R. H., see CARDINALE, G. J.
- ABRAHAM, H. E., see ROBINSON, D.
- ADAMS, E., see ARONSON, L. D.
- AKOYUNOGLU, G., J. H. ARGYROUDI-
AKOYUNOGLU AND H. METHENITOU
(Studies on the active site of the en-
zyme ribulosediphosphate carboxylase) 481
- AMELUNXEN, R. E. AND D. O. CARR
(The crystallization and properties of
glyceraldehyde-3-phosphate dehydro-
genase isolated from rabbit muscle by
a simplified procedure) 256
- ANDERSON, G., see GREAVES, M. P.
- ARGYROUDI-AKOYUNOGLU, J. H., see
AKOYUNOGLU, G.
- ARONSON, L. D., R. G. ROSSO AND E.
ADAMS
(A constitutive aldolase for 4-hydroxy-
2-ketoglutarate in soil bacteria) 200
- BARON, D. N., see PIETRUSZKO, R.
- BERNOFSKY, C. AND M. F. UTTER
(Secondary activation effects of mito-
chondrial isocitrate dehydrogenases
from yeast) 244
- BERRY, S. A. AND J. N. CAMPBELL
(The extracellular nuclease activity of
Micrococcus sodonensis. I. Isolation and
purification). 78
- BERRY, S. A. AND J. N. CAMPBELL
(The extracellular nuclease activity of
Micrococcus sodonensis. II. Characteri-
zation and mode of action) 84
- BHUVANESWARAN, C. AND T. E. KING
(Succinate-dehydrogenating activity
and cytochromes of hepatic micro-
somes) 282
- BRÓ, N. A., see MÜHLRÁD, A.
- BLUME, K. G., see GOEDDE, H. W.
- BODMANN, O.
(Sedimentations- und Diffusionskoeffi-
zienten aus dem Transport enzymati-
scher Aktivitäten. Anwendung der Be-
stimmungsmethoden auf die Glucose-
oxydasen aus *Penicillium notatum* (No-
tatin) und aus *Aspergillus niger* (Ni-
gerin) I
- BOLOTINA, I. A., D. S. MARKOVITCH, M. V.
VOLKENSTEIN AND P. ZAVODSKY
(Investigation of the conformation of
D-glyceraldehyde-3-phosphate dehy-
drogenase) 260
- BOLOTINA, I. A., D. S. MARKOVICH, M. V.
VOLKENSTEIN AND P. ZAVODSKY
(Investigation of the conformation of
lactate dehydrogenase and its catalytic
activity) 271
- BONARETTI, G., see CENNAMO, C.
- BOSKO, S., see MÜHLRÁD, A.
- BOYD, J. W.
(The rates of disappearance of L-lactate
dehydrogenase isoenzymes from plas-
ma) 221
- BRADY, T. G. AND M. O'SULLIVAN
(The effect of pH, urea and guanidine
on adenosine deaminase isolated from
bovine mucosa) 127
- BREMER, J., see FARSTAD, M.
- BROWN, K. M. AND F. MOOG
(Invertase activity in the intestine of
the developing chick). 185
- BUDDECKE, E. AND O. HOEFELE
(pH-dependent activation of β -D-glu-
curonidase by N-acetyl- β -D-glucosa-
minidase) 194
- CAMPBELL, J. N., see BERRY, S. A.
- CARDINALE, G. J. AND R. H. ABELES
(Mechanistic similarities in the reac-
tions catalyzed by dioldehydrase and
methylmalonyl-CoA mutase) 517
- CARR, D. O., see AMELUNXEN, R. E.
- CARRILLO, M., see MANDELBAUM, F. R.
- CENNAMO, C., G. MONTECUCCOLI AND G.
BONARETTI
(Anion and substrate inhibition and
kinetic behavior of NAD⁺-specific iso-
citrate dehydrogenase from baker's
yeast) 232
- CHAMBERT, J. R., see RAPOPORT, G.
- CHANDAN, R. C., see KHAN, I. M.
- CHAUDHARY, K. D., U. SRIVASTAVA AND
A. LEMONDE
(Monoamine oxidase in *Tribolium con-
fusum* Duval (Coleoptera) 290
- CHIU, C. S., S. SU AND P. J. RUSSELL
(Adenylate kinase from baker's yeast.
I. Purification and intracellular loca-
tion) 361
- CONSTANTSAS, N. S. AND W. E. KNOX
(The activation of chick liver tyrosine
transaminase *in vitro*) 178
- COSTA, M. T., see MONDOVI, B.
- DEDONDER, R., see RAPOPORT, G.
- DÉNES, G., see STAUB, M.
- DER TERROSSIAN, E., see KASSAB, R.
- DE VIJLDER, J. J. M. AND E. C. SLATER
(The reaction of glyceraldehydophos-
phate dehydrogenase with NAD⁺) . . . 207
- DILL, C. W., see KHAN, I. M.
- DORIZZI, M., see LEMAIRE, G.
- DORN, G. L.
(Purification of two alkaline phospha-
tases from *Aspergillus nidulans*) . . . 190
- FARSTAD, M., J. BREMER AND K. R. NO-
RUM
(Long-chain acyl-CoA synthetase in rat
liver. A new assay procedure for the

- enzyme, and studies on its intracellular localization) 492
- FINAZZI-AGRÒ, A., see MONDOVI, B.
- FLAVIN, M. AND C. SLAUGHTER
(Enzymatic synthesis of homocysteine or methionine directly from *O*-succinyl-homoserine) 400
- FLAVIN, M. AND C. SLAUGHTER
(The derepression and function of enzymes of reverse trans-sulfuration in *Neurospora*) 406
- GEORGE, H. AND A. MEISTER
(Purification and properties of L-valyl-sRNA synthetase from *Escherichia coli*) 165
- GIBBS, M., see RUSSELL, G. K.
- GODFREY, J. E., see MIHALYI, E.
- GOEDDE, H. W., M. HÜFNER, F. MÖHLENBECK AND K. G. BLUME
(Biochemical studies on branched-chain oxoacid oxidases) 524
- GOORE, M. Y. AND J. F. THOMPSON
(γ -Glutamyl transpeptidase from kidney bean fruit. I. Purification and mechanism of action) 15
- GOORE, M. Y. AND J. F. THOMPSON
(γ -Glutamyl transpeptidase of kidney bean fruit. II. Studies on the activating effect of sodium citrate) 27
- GOUNARIS, A. D., H. R. HORTON AND D. E. KOSHLAND, JR.
(The phosphoglucomutase reaction: Investigation of enzyme dephosphorylation during its reaction with substrate) 41
- GREAVES, M. P., G. ANDERSON AND D. M. WEBLEY
(The hydrolysis of inositol phosphates by *Aerobacter aerogenes*) 412
- GRISOLIA, S. AND J. TECSON
(Mercury-induced reversible increase in 2,3-phosphoglycerate phosphatase and concomitant decrease in mutase activity of animal phosphoglycerate mutases) 56
- HÉMON, P.
(L'activité α -glycerophosphate oxydase du foie de rat au cours du développement) 175
- HENRIQUES, S. B., see MANDELBAUM, F. R.
- HILL, R. D. AND R. R. LAING
(Specific reaction of dansyl chloride with one lysine residue in rennin) 188
- HOEFEL, O., see BUDDECKE, E.
- HOLMES, R. S. AND C. J. MASTERS
(The developmental multiplicity and isoenzyme status of cavian esterases) 379
- HOROWITZ, N. H., see UREY, J. C.
- HORTON, H. R., see GOUNARIS, A. D.
- HÜFNER, M., see GOEDDE, H. W.
- IWATSUBO, M., see PANTALONI, D.
- JABLONSKI, P. AND M. T. MCQUILLAN
(The distribution of proteolytic enzymes in the thyroid gland) 454
- KAKIMOTO, Y., A. KANAZAWA AND I. SANO
(γ -Glutamylglutamine lactamase in mammalian tissues) 472
- KANAZAWA, A., see KAKIMOTO, Y.
- KASSAB, R., L. A. PRADEL, E. DER TERROSSIAN ET N. V. THOAI
(Comparaison des groupes SH réactifs des ATP:guanidines phosphotransférases) 347
- KATES, J. R. AND B. R. MCAUSLAN
(Purification of acid deoxyribonuclease from HeLa cells. Inhibition kinetics of native and modified forms of the HeLa calf-spleen enzymes) 419
- KERRY, K. R., see MESSER, M.
- KEZDY, F. J.
(Inhibition of the trypsin-catalyzed activation of chymotrypsinogen by N-acetyl-L-3,5-dibromotyrosine) 197
- KHAN, I. M., C. W. DILL, R. C. CHANDAN AND K. M. SHAHANI
(Production and properties of the extracellular lipase of *Achromobacter lipolyticum*) 68
- KING, T. E., see BHUVANESWARAN, C.
- KOSHLAND, JR., D. E., see GOUNARIS, A. D.
- LABOUESSE, B., see LEMAIRE, G.
- LAING, R. R., see HILL, R. D.
- LANGENDORFF, H.-U., see STREFFER, C.
- LARSSON-RAŹNIKIEWICZ, M.
(Kinetic studies on the reaction catalyzed by phosphoglycerate kinase. II. The kinetic relationships between 3-phosphoglycerate, MgATP²⁻ and activating metal ion) 33
- LEE, J. K.-H. AND M. STILLER
(Hydrogenase activity in cell-free preparation of *Chlorella*) 503
- LEE, R. F., see ABBOTT, M. T.
- LEMAIRE, G., M. DORIZZI ET B. LABOUESSE
(Interaction entre la tryptophane-tRNA synthétase et le tryptophane ou certains analogues du tryptophane) 155
- LEMONDE, A., see CHAUDHARY, K. D.
- MACHOLÁN, L., L. ROZPRIMOVÁ AND E. SEDLÁČKOVÁ
(1,4-Diamino-2-butanon (2-ketoputrescine) as strong and short actin competitive inhibitor of diamine oxidase) 505
- MANDELBAUM, F. R., M. CARRILLO AND S. B. HENRIQUES
(Proteolytic activity of Bothrops protease A on the B chain of oxidized insulin) 508
- MARKOVITCH, D. S., see BOLOTINA, I. A.
- MASTERS, C. J., see HOLMES, R. S.
- MCAUSLAN, B. R., see KATES, J. R.
- MCCORMICK, D. B., see YANG, C. S.
- MCQUILLAN, M. T., see JABLONSKI, P.
- MCQUILLAN, M. T., see MENZIES, C. A.
- MEISTER, A., see GEORGE, H.
- MENZIES, C. A. AND M. T. MCQUILLAN
(Partial purification and properties of peptidase from thyroid glands) 444
- MESSER, M. AND K. R. KERRY

- (Intestinal digestion of maltotriose in man) 432
- METHENITOU, H., see AKOYUNOGLU, G.
- MIDGETT, R. J., see ABBOTT, M. T.
- MIHALYI, E. AND J. E. GODFREY
(Kinetic studies of the digestion of fibrinogen by α -chymotrypsin) 94
- MÖHLENBECK, F., see GOEDDE, H. W.
- MONDOVI, B., G. ROTILIO, A. FINAZZI-AGRÒ AND M. T. COSTA
(Diamine oxidase inactivation by hydrogen peroxide) 521
- MONTECUCCOLI, G., see CENNAMO, C.
- MOOG, F., see BROWN, K. M.
- MÜHLRÁD, A., S. BOSKO AND N. A. BIRÓ
(The adenosinetriphosphatase activity of the meromyosins) 138
- NARI, J., see RICARD, J.
- NEWSHOLME, E. A., J. ROBINSON AND K. TAYLOR
(A radiochemical enzymatic activity assay for glycerol kinase and hexokinase) 338
- NORUM, K. R., see FARSTAD, M.
- O'SULLIVAN, M., see BRADY, T. G.
- PANTALONI, D. ET M. IWATSUBO
(Fixation d'ADP, NADH et NADPH sur la glutamicodéshydrogénase, déterminée par spectrophotométrie) 217
- PARKER, T. S., see ABBOTT, M. T.
- PIETRUSZKO, R. AND D. N. BARON
(A staining procedure for demonstration of multiple forms of aldolase) 203
- PRADEL, L. A., see KASSAB, R.
- PRAGER, M. D. AND W. R. WHIGHAM
(Purification of human erythrocyte pyruvic kinase) 181
- RAPOPORT, G., J. R. CHAMBERT ET R. DE-DONDER
(Iodination de la lévane-sucrase de *Bacillus subtilis*) 330
- RICARD, J. AND J. NARI
(The formation and reactivity of peroxidase compound III) 321
- ROBINSON, D. AND H. E. ABRAHAMS
(β -D-Xylosidase in pig kidney) 212
- ROBINSON, J., see NEWSHOLME, E. A.
- RONEA, G.
(Competitive inhibition of adenosine deaminase by urea, guanidine, biuret, and guanyurea) 214
- ROSSO, R. G., see ARONSON, L. D.
- ROTILIO, G., see MONDOVI, B.
- ROZPRIMOVÁ, L., see MACHOLÁN, L.
- RUSSELL, G. K. AND M. GIBBS
(Partial purification and characterization of two fructose diphosphate aldolases from *Chlamydomonas mundana*) 145
- RUSSELL, P. J., see CHIU, C. S.
- RUSSELL, P. J., see SU, S.
- SANO, I., see KAKIMOTO, Y.
- SCHANDL, E. K., see ABBOTT, M. T.
- SEDLÁČKOVÁ, E., see MACHOLÁN, L.
- SELLINGER, O. Z.
(Inactivation of cerebral glutamine synthetase by DL-methionine-DL-sulfoximine) 514
- SHAHANI, K. M., see KHAN, I. M.
- SLATER, E. C., see DE VIJLDER, J. J. M.
- SLATER, E. C., see ZEYLEMAKER, W. P.
- SLAUGHTER, C., see FLAVIN, M.
- SRIVASTAVA, U., see CHAUDHARY, K. D.
- STAUB, M. AND G. DÉNES
(A kinetic study of the mechanism of action of 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase in *Escherichia coli* K 12) 528
- STILLER, M., see LEE, J. K.-H.
- STREFFER, C. UND H.-U. LANGENDORFF
(Bestimmung der Kynurenin Amino-transferase) 518
- SU, S., see CHIU, C. S.
- SU, S. AND P. J. RUSSELL
(Adenylate kinase from baker's yeast. II. Substrate specificity) 370
- TAYLOR, K., see NEWSHOLME, E. A.
- TECSON, J., see GRISOLIA, S.
- THOAI, N. V., see KASSAB, R.
- THOMPSON, J. F., see GOORE, M. Y.
- TRIJBELS, F. AND G. D. VOGELS
(Allantoate and ureidoglycolate degradation by *Pseudomonas aeruginosa*) 115
- UREY, J. C. AND N. H. HOROWITZ
(Effects of EDTA on tyrosinase and L-amino-acid oxidase induction in *Neurospora crassa*) 300
- UTTER, M. F., see BERNOFKY, C.
- VARANDANI, P. T.
(Acceleration of regeneration of insulin activity from its inactive reduced A and B chains by pancreatic glutathione-insulin transhydrogenase) 10
- VOGELS, G. D., see TRIJBELS, F.
- VOLKENSTEIN, M. V., see BOLOTINA, I. A.
- WALTON, P. L.
(The hydrolysis of α -N-acetylglucyl-L-lysine methyl ester by urokinase) 104
- WEBLEY, D. M., see GREAVES, M. P.
- WHIGHAM, W. R., see PRAGER, M. D.
- YAMAZAKI, I., AND K. YOKOTA
(Analysis of the conditions causing the oscillatory oxidation of reduced nicotinamide-adenine dinucleotide by horseradish peroxidase) 310
- YANG, C. S. AND D. B. MCCORMICK
(Substrate specificity of riboflavin hydrolase from *Pseudomonas riboflavina*) 511
- YOKOTA, K., see YAMAZAKI, I.
- ZAVODSKY, P., see BOLOTINA, I. A.
- ZEYLEMAKER, W. P. AND E. C. SLATER
(The inhibition of succinate dehydrogenase by oxaloacetate) 210