

AUTHOR INDEX

- Abbott, M. T., see Shaffer, P. M. (258) 387
- Abdel Samed, M. M., see Veryovkina, I. V. (258) 56
- Abdulla, Y. H. and McFarlane, E.
The action of collagen on an inorganic pyrophosphatase in blood platelets (258) 337
- Akhtar, M. and El-Obeid, H. A.
Inactivation of serine transhydroxymethylase and threonine aldolase activities (258) 791
- Alfsen, A., see Weintraub, H. (258) 655
- Apitz-Castro, R., see Suarez, Z. (258) 339
- Aronson, R. B., see Popenoe, E. A. (258) 380
- Ashman, L. K. and Atwell, J. L.
AMP deaminase from rabbit skeletal muscle: The effect of monovalent cations on catalytic activity and molecular weight (258) 618
- Atwell, J. L., see Ashman, L. K. (258) 618
- Barber, G. A., see White, R. C. (258) 753
- Barber, R., see Hele, P. (258) 319
- Baron, D., Wellmann, E. and Grisebach, H.
Purification and properties of an enzyme from cell suspension cultures of parsleg catalyzing the synthesis of UDP-apiose and UDP-D-xylose from UDP-D-glucuronic acid (258) 310
- Bauer, W., see Snyder, S. L. (258) 178
- Baulieu, E. H., see Weintraub, H. (258) 655
- van Berkel, Th. J. C., see Koster, J. F. (258) 763
- Berthillier, G. et Got, R.
Effets de l'ATP et de la photo-oxydation sur l'agrégation de la glucokinase microsomique du foie de rat (258) 88
- Bochkov, A. F., Sova, V. V. and Kirkwood, S.
The study on the action of an $\text{exo-}\beta\text{-(1}\rightarrow\text{3)-D-glucanase}$ (258) 531
- Boots, M. R., see Rogers, K. S. (258) 343
- Boots, S. G., see Rogers, K. S. (258) 343
- Bosmann, H. B.
Identification, purification and characteristics of glycosidases of human blood platelets (258) 265
- Bruschi, M., see Hatchikian, E. C. (258) 701
- Chang, C-H. and Moog, F.
Alkaline phosphatases of the chicken duodenum. I. Isolation and partial characterization of the multiple forms of duodenal phosphatase in pre- and post-hatching stages (258) 154
- Chang, C- H. and Moog, F.
Alkaline phosphatases of the chicken duodenum. II. Enzymic dissociation of a large phosphatase complex predominant in the duodenum before hatching (258) 166
- Chatagner, F., see Deme, D. (258) 634
- Cho, I. C. and Swaisgood, H. E.
The reactivation of an unfolded subunit enzyme covalently linked to a solid surface (258) 675
- Criss, W. E., see Sapico, V. (258) 436
- Csopak, H., Falk, K.-E. and Szaajn, H.
Effect of EDTA on *Escherichia coli* alkaline phosphatase (258) 466
- Daumy, G. O., see Reeves, H. C. (258) 27
- Decker, K., see Pausch, J. (258) 395
- De Graaf, M. J. M., see Sluyterman, L. A. Æ. (258) 554
- De la Flor, S. D., see Porter, M. T. (258) 769
- Deme, D. et Chatagner, F.
Etude du active centre de l'homosérine déshydratase du foie de rat (258) 643
- Doelle, H. W.
Kinetic characteristics of phosphofructokinase from *Lactobacillus casei* var. rhamnosus ATCC 7469 and *Lactobacillus plantarum* ATCC 14917 (258) 404
- Done, J., see Saini, P. K. (258) 147
- Doolittle, R. F., see Weinstein, M. J. (258) 577
- Dubourdieu, M., see Hatchikian, E. C. (258) 701
- Eckert, E. A., see Kendal, A. P. (258) 484
- Eisen, A. Z., see Tokoro, Y. (258) 289
- Eisenberg, H., see Reisler, E. (258) 351
- Ellederová, D., see Kraml, J. (258) 520
- El-Obeid, H. A., see Akhtar, M. (258) 791
- Elyakova, L. A., see Sova, V. V. (258) 219
- Exner, T. and Koppel, J. L.
Observations concerning the substrate specificity of Arvin (258) 825
- Falk, K.-E., see Csopak, H. (258) 466
- Flores-Carreón, A. and Ruiz-Herrera, J.
Purification and characterization of α -glucosidase from *Mucor rouxii* (258) 496
- Fluharty, A. L., see Porter, M. T. (258) 769
- Flynn, T. G., see Kormann, A. W. (258) 40
- Gasparini, M., see Tettamanti, G. (258) 228
- Gibson, F., see Koch, G. L. E. (258) 719
- Gorkin, V. Z., see Veryovkina, I. V. (258) 56
- Got, R., see Berthillier, G. (258) 88
- Greenberg, M., see Horinishi, H. (258) 741
- Grisebach, H., see Baron, D. (258) 310
- Grisebach, H., see Sutter, A. (258) 71
- Harris Jr, E. D. and Krane, S. M.
An endopeptidase from rheumatoid synovial tissue culture (258) 566
- Hatchikian, E. C., Le Gall, J., Bruschi, M. and Dubourdieu, M.
Regulation of the reduction of sulfite and thiosulfate by ferredoxin, flavodoxin and cytochrome cc'_3 in extracts of the sulfate reducer *Desulfovibrio gigas* (258) 701
- Hele, P. and Barber, R.
Lysyl-tRNA synthetase of *Escherichia coli* B: Formation and reactions of ATP-enzyme and lysyl-AMP-enzyme complexes (258) 319

- Hiršová, D., see Kraml, J. (258) 520
- Hofstee, B. H. J.
On the substrate activation of liver esterase (258) 446
- Hore, P., see Schlegel-Haueter, S. (258) 506
- Horinishi, H. and Greenberg, D. M.
Purification and properties of thymidylate synthase from calf thymus (258) 741
- Houston, M., see Reeves, H. C. (258) 27
- Hurst, R. O., see Kormann, A. W. (258) 40
- Hvitfelt, J. and Santti, R. S.
Tryptophan pyrrolase in the liver of guinea pig. The absence of hydrocortisone induction (258) 358
- Ichishima, E.
Purification and characterization of a new type of acid carboxypeptidase from *Aspergillus*, (258) 274
- IUPAC-IUB Commission on Biochemical Nomenclature
The Nomenclature of Multiple Forms of Enzymes Recommendations (1971) (258) 1
- Iwashima, A., Nishino, H. and Nose, Y.
Conversion of thiamine to thiamine monophosphate by cell-free extracts of *Escherichia coli* (258) 333
- Jeffrey, J. J., see Tokoro, Y. (258) 289
- Jones, J. B. and Ship, S.
Inhibition of the 3-ketosteroid Δ^{5-4} isomerase of *Pseudomonas testosteroni* by some bromo-3-ketosteroid derivatives (258) 800
- Kawamura, Y. see Ogasawara, N. (258) 680
- Kendal, A. P. and Eckert, E. A.
The preparation and properties of ^{14}C -carboxamidomethylated subunits from $\text{A}_{25}/1957$ (258) 484
- Keppeler, D., see Pausch, J. (258) 395
- Kerry, K. R., see Schlegel-Haueter, S. (258) 506
- Kester, M. and Norton, S. J.
Escherichia coli pyridine 1-oxide reductase (258) 709
- Kihara, H., see Porter, M. T. (258) 769
- Kingsbury, N. and Masters, C. J.
Heterogeneity, molecular weight interrelationships and developmental genetics of the esterase isoenzymes of the rainbow trout (258) 455
- Kirkwood, S., see Bochkov, A. F. (258) 531
- Kivirikko, K. I. and Prockop, D. J.
Partial purification and characterization of procollagen lysine hydroxylase from chick embryos (258) 366
- Koch, G. L. E., Shaw, D. C. and Gibson, F.
Studies on the relationship between the active sites of chorismate mutase-prephenate dehydrogenase from *Escherichia coli* or *Aerobacter aerogenes* (258) 719
- Kohno, M. and Yamashina, I.
Purification and properties of 4-L-aspartylglycosylamine amidohydrolase from hog kidney (258) 600
- Kolínská, J., see Kraml, J. (258) 520
- Koppel, J. L., see Exner, T. (258) 825
- Kormann, A. W., Hurst, R. O. and Flynn, T. G.
Purification and properties of an NADP^{+} -dependent glycerol dehydrogenase from rabbit skeletal muscle (258) 40
- Koster, J. F., Slee, R. G., Staal, G. E. J. and Van Berkel, Th. J. C.
The influence of glucose 1,6-diphosphate on the enzymatic activity of pyruvate kinase (258) 763
- Koster, J. F., see Staal, G. E. J. (258) 685
- Kraml, J., Kolínská, Ellederová, D. and Hiršová, D.
 β -glucosidase (phlorizin hydrolase) activity of the lactase fraction isolated from the small intestinal mucosa of infant rats, and the relationship between β -glucosidases and β -galactosidases (258) 520
- Krane, S. M., see Harris Jr, E. D. (258) 566
- Kumagai, H., Nagate, T., Yoshida, H. and Yamada, H.
Threonine aldolase from *Candida humicola*. II. Purification, crystallization and properties (258) 779
- Lacombe, G., see Thiem, N. V. (258) 422
- Lawson, W. B., see Pattabiraman, T. N. (258) 548
- Le Gall, J., see Hatchikian, E. C. (258) 701
- Lerch, B. and Wolf, G.
Isolation of phosphodiesterase from sugar beet leaves (258) 206
- Liener, I. E., see Seidl, D. S. (258) 303
- Lin, C. C., see Reeves, H. C. (258) 27
- Litwack, G., see Sapico, V. (258) 436
- Lombardo, A., see Tettamanti, G. (258) 228
- McCroskey, R. P., see Shaffer, P. M. (258) 387
- McFarlane, E., see Abdulla, Y. H. (258) 337
- Madley, T. I., see Tsao, M. U. (258) 99
- Mansour, T. E., see Setlow, B. (258) 106
- Marklund, S.
The actions of hydroxymethylhydroperoxide and bis(hydroxymethyl)peroxide on fumarate hydratase, lactate dehydrogenase, aspartate aminotransferase, glucose oxidase, and acid phosphatase (258) 9
- Marx, W., see Shoyab, M. (258) 113
- Marx, W., see Shoyab, M. (258) 125
- Masters, C. J., see Kingsbury, N. (258) 455
- Matsumiya, H., see Uemitsu, N. (258) 562
- Moog, F., see Chang, C-H. (258) 166
- Moog, F., see Chang, C-H. (258) 154
- Moore, A. E. and Stone, B. A.
 β -1,3-Glucan hydrolase from *Nicotiana glutinosa*. I. Extraction, purification and physical properties (258) 238
- Moore, A. E. and Stone, B. A.
A β -1,3-glucan hydrolase from *Nicotiana glutinosa*. II. Specificity, action pattern and inhibitor studies (258) 248
- Nagate, T., see Kumagai, H. (258) 779
- Nagatsu, I., see Ōya, H. (258) 591
- Nagatsu, T., see Ōya, H. (258) 591
- Nijessen, J. G., see Staal, G. E. J. (258) 685
- Nishino, H., see Iwashima, A. (258) 333
- Nordlie, R. C., see Snoke, R. E. (258) 188
- Norton, S. J., see Kester, M. (258) 709
- Nose, Y., see Iwashima, A. (258) 333
- Ogasawara, N., Yoshino, M. and Kawamura, Y.

- Multiple forms of AMP deaminase in rat brain (258) 680
- Ohuchi, K. and Tsurufuji, S.
Protocollagen proline hydroxylase in isolated rat liver cells (258) 731
- Orsi, B. A.
A simple method for the derivation of the steady-state rate equation for an enzyme mechanism (258) 4
- Ortmann, R., see Sutter, A. (258) 71
- Öya, H., Nagatsu, I. and Nagatsu, T.
Purification and properties of glycylprolyl β -naphthylamidase in human submaxillary gland (258) 591
- Pattabiraman, T. N. and Lawson, W. B.
Stereochemistry of the active site of α -chymotrypsin. The effect of some tricyclic bromomethyl ketones on α -chymotrypsin (258) 548
- Pausch, J., Keppler, D. and Decker, K.
Activity and distribution of the enzymes of uridilate synthesis from orotate in animal tissues (258) 395
- Payne, A. H.
Gonadal steroid sulfates and sulfatase. V. Human testicular steroid sulfatase: Partial characterization and possible regulation by free steroids (258) 473
- Poincelot, R. P.
Intracellular distribution of carbonic anhydrase in spinach leaves (258) 637
- Popenoe, E. A. and Aronson, R. B.
Partial purification and properties of collagen lysine hydroxylase from chick embryos (258) 380
- Porter, M. T., Fluharty, A. L., de la Flor, S. D. and Kihara, H.
Cerebroside sulfatase determination in cultured human fibroblasts. (258) 769
- Preti, A., see Tettamanti, G. (258) 228
- Prockop, D. J., see Kivirikko, K. I. (258) 366
- Reeves, H. C., Daumy, G. O., Lin, C. C. and Houston, M.
NADP⁺-specific isocitrate dehydrogenase of *Escherichia coli*. I. Purification and characterization (258) 27
- Reisler, E. and Eisenberg, H.
Solubility of toluene in bovine liver glutamate dehydrogenase solutions and enhancement of enzyme association (258) 351
- Rogers, K. S., Boots, M. R. and Boots, S. G.
Molecular interactions of six aromatic competitive inhibitors with bovine liver glutamate dehydrogenase (258) 343
- Ruiz-Herrera, J., see Flores-Carreón, A. (258) 496
- Saini, P. K. and Done, J.
The diversity of alkaline phosphatase from rat intestine. Isolation and purification of the enzyme(s) (258) 147
- Saito, M.
Subunit cooperativity in the action of lactate dehydrogenase (258) 17
- Sanner, T.
The unidirectional inhibition of glutamate dehydrogenase from *Blastocladiella emersonii* (258) 689
- Santti, R. S., see Hvitfelt, J. (258) 358
- Sapico, V., Litwack, G. and Criss, W. E.
Purification of rat liver adenylate kinase isozyme II and comparison with isozyme III (258) 436
- Schlegel-Haueter, S., Hore, P., Kerry, K. R. and Semenza, G.
The prepatation of lactase and glucoamylase of rat small intestine (258) 506
- Seidl, D. S. and Liener, I. E.
Identification of the chymotrypsin-reactive site of the Bowman-Birk soybean inhibitor (258) 303
- Semenza, G., see Schlegel-Haueter, S. (258) 506
- Setlow, B. and Mansour, T. E.
Studies on heart phosphofructokinase. The effect of pyridoxal 5'-phosphate on enzyme activity and dissociation (258) 106
- Shaffer, P. M., McCroskey, R. P. and Abbott, M. T.
Substrate specificity of the hydroxylase reaction in which thymidine is converted to thymine ribonucleoside (258) 387
- Shaw, D. C., see Koch, G. L. E. (258) 719
- Ship, S., see Jones, J. B. (258) 800
- Shoyab, M. and Marx, W.
Enzyme substrate complexes of ATP-sulfurylase from mouse mastocytoma (258) 125
- Shoyab, M., Su, L. Y. and Marx, W.
Purification and properties of ATP-sulfurylase from Furth mouse mastocytoma (258) 113
- Silverstein, R.
Kinetic studies of acetyl coenzyme A activated phosphoenolpyruvate carboxylase; reverse effects with a fatty acid (258) 626
- Slee, R. G., see Koster, J. F. (258) 763
- Sluyterman, L. A. Æ. and de Graaf, M. J. M.
The effect of salts upon the pH dependence of the activity of papain and succinyl-papain (258) 554
- Snoke, R. E. and Nordlie, R. C.
Comparative studies of the responses of rat liver microsomal glucose-6-phosphatase and inorganic pyrophosphate-glucose phosphotransferase to phospholipase C treatment and phospholipid supplementation (258) 188
- Snyder, S. L., Wilson, I. and Bauer, W.
The subunit composition of *Escherichia coli* alkaline phosphatase in 1 M Tris (258) 178
- Sova, V. V. and Elyakova, L. A.
Some aspects of specificity and action pattern of β -1,3-glucan glucanohydrolase from *Spisula sachalinensis*, (258) 219
- Sova, V. V., see Bochkov, A. F. (258) 531
- Staal, G. E. J., Koster, J. F. and Nijessen, J. G.
A new variant of red blood cell pyruvate kinase deficiency (258) 685
- Staal, G. E. J., see Koster, J. F. (258) 763
- Stone, B. A., see Moore, A. E. (258) 238
- Stone, B. A., see Moore, A. E. (258) 248
- Su, L. Y., see Shoyab, M. (258) 113

- Suarez, Z. and Apitz-Castro, R.
Glycerol-3-phosphate dehydrogenase: A regulatory enzyme (258) 339
- Sugiyama, M., see Uemitsu, N. (258) 562
- Sutter, A., Ortmann, R. and Grisebach, H.
Purification and properties of an enzyme from cell suspension cultures of parsley catalyzing the transfer of D-glucose from UDP-D-glucose to flavonoids (258) 71
- Swaigood, H. E., see Cho, I. C. (258) 675
- Szajn, H., see Csopak, H. (258) 466
- Tettamanti, G., Preti, A., Lombardo, A., Gasparini, M. and Zambotti, V.
Assay of brain particulate neuraminidase. III. Preparation of the enzyme devoid of endogenous substrates (258) 228
- Thiem, N. V., Lacombe, G. and Thoai, N. V.
Multiple effects of anions on ATP: L-arginine phosphotransferases (258) 422
- Thoai, N. V., see Thiem, N. V. (258) 422
- Tokoro, Y., Eisen, A. Z. and Jefferey, J. J.
Characterization of a collagenase from rat skin (258) 289
- Tsao, M. U. and Madley, T. I.
Kinetic properties of phosphofructokinase of *Neurospora crassa* (258) 99
- Tsurufuji, S., see Ohuchi, K. (258) 731
- Uemitsu, N., Sugiyama, M. and Matsumiya, H.
The reactivation of phenylmethanesulfonyl-subtilisin (258) 562
- Vachek, H. and Wood, J. L.
Purification and properties of mercaptopyruvate sulfur transferase of *Escherichia coli* (258) 133
- Van Berkel, Th. J. C., see Koster, J. F. (258) 763
- Veryovkina, I. V., Abdel Samed, M. M. and Gorkin, V. Z.
Mitochondrial monoamine oxidase of rat liver: Reversible qualitative alterations in catalytic properties (258) 56
- Wälinder, O.
Calf brain phosphatase kinase. Purification of the kinase associated with a phosphate-incorporating protein (258) 411
- Weinstein, M. J. and Doolittle, R. F.
Differential specificities of thrombin, plasmin and trypsin with regard to synthetic and natural substrates and inhibitors (258) 577
- Weintraub, H., Baulieu, E. H. and Alfsen, A.
Studies on $\Delta^5 \rightarrow \Delta^4$ -3-oxosteroid isomerases. III. Effect of solvent on the enzymatic proton transfer reaction (258) 655
- Wellmann, E., see Baron, D. (258) 310
- White, R. C. and Barber, G. A.
Synthesis of 7-(adenosine 5'-pyrophosphoryl)-D-sedoheptulose by an enzyme system from the green alga *Chlorella pyrenoidosa* (258) 753
- Wilson, I., see Snyder, S. L. (258) 178
- Wolf, G., see Lerch, B. (258) 206
- Wood, J. L., see Vachek, H., (258) 133
- Yamada, H., see Kumagai, H. (258) 779
- Yamashina, I., see Kohno, M. (258) 600
- Yoshida, H., see Kumagai, H. (258) 779
- Yoshino, M., see Ogasawara, N. (258) 680
- Zambotti, V., see Tettamanti, G. (258) 228
- Zonneveld, B. J. M.
A new type of enzyme, an exo-splitting- α -1,3 glucanase from non-induced cultures of *Aspergillus nidulans* (258) 547