

AUTHOR INDEX

- Aerts, G.M., see De Gussem, R.L. (525) 142
 Alfsen, A., see Vincent, M. (525) 1
 Anderson, L.L., see Chollet, R. (525) 455
 Asryants, R.A., see Muronetz, V.I. (525) 291
- Barbotin, J.N. and Breuil, M.
 Immobilization of glutamate dehydrogenase into proteic films. Stability and kinetic modulation by effectors (525) 18
 Bartnicki-Garcia, S., see Lopez-Romero, E. (525) 338
 Becker, R., see Mersmann, G. (525) 154
 Bernik, M.B.
 Inhibitor of trypsin and chymotrypsin in cultures of HeLa cells (525) 180
 Bianchetta, J., see Rovey, M. (525) 373
 Biellman, J.F., see Vincent, M. (525) 1
 Bishop, D.F. and Sweeley, C.C.
 Plasma α -galactosidase A: properties and comparisons with tissue α -galactosidases (525) 399
 Bloxham, D.P., Coghlin, S.J. and Sharma, R.P.
 Use of methanethiolation to investigate the catalytic role of sulphhydryl groups in rabbit skeletal muscle pyruvate kinase (525) 61
 Blum, H., see Rich, P.R. (525) 325
 Bonner, Jr., W.D., see Rich, P.R. (525) 325
 Bos, A., Wever, R. and Roos, D.
 Characterization and quantification of the peroxidase in human monocytes (525) 37
 Boudouard, M., see Rovey, M. (525) 373
 Breuil, M., see Barbotin, J.N. (525) 18
 Brooks, S.C., see Horwitz, J.P. (525) 364
 Brouwer-Kelder, B., see Schram, A.W. (525) 410
 Buddecke, E., see Mersmann, G. (525) 154
 Burris, R.H., see Erbes, D.L. (525) 45
 Butke, G., see Horwitz, J.P. (525) 364
 with spontaneous diabetes. III. Line-dependent variance (525) 134
 Chignell, C., see Christopher, J.P. (525) 112
 Chollet, R. and Anderson, L.L.
 Cyanate modification of essential lysyl residues in the catalytic subunit of tobacco ribulosebiphosphate carboxylase (525) 455
 Christopher, J.P., Kurlansik, L., Millar, D.B. and Chignell, C.
 On the homogeneity of 11-S acetylcholinesterase (525) 112
 Chung, H.L., see Horwitz, J.P. (525) 364
 Claeysens, M., see De Gussem, R.L. (525) 142
 Coghlin, S.J., see Bloxham, D.P. (525) 61
 Collen, D. and De Cock, F.
 Neoantigenic expression in enzyme-inhibitor complexes. A means to demonstrate activation of enzyme systems (525) 287
 Colomb, E., Guy, O., Deprez, P. Michel, R. and Figarella, C.
 The two human trypsinogens: catalytic properties of the corresponding trypsins (525) 186
 De Bruyne, C.K., see De Gussem, R.L. (525) 142
 De Cock, F., see Collen, D. (525) 287
 De Groot, P.G., see Schram, A.W. (525) 410
 Deguchi, T., see Nakane, M. (525) 275
 De Gussem, R.L., Aerts, G.M., Claeysens, M. and De Bruyne, C.K.
 Purification and properties of an induced β -D-glucosidase from *Stachybotrys atra* (525) 142
 Donker-Koopman, W.E., see Schram, A.W. (525) 410
 De Paillerets, C., see Vincent, M. (525) 1
 Deprez, P., see Colomb, E. (525) 186
 Douzou, P., see Maurel, P. (525) 314
 Egly, J.-M., see Le Deaut, J.-Y. (525) 438
 Erbes, D.L. and Burris, R.H.
 The kinetics of methyl viologen oxidation

- and reduction by the hydrogenase from *Clostridium pasteurianum* (525) 45
- Figarella, C., see Colomb, E. (525) 186
- Foucaud, B.Y., see Vincent, M. (525) 1
- Friedman, R., see Rinderknecht, H. (525) 200
- Fujii, S., see Tamura, Y. (525) 194
- Fukasawa, K., see Kato, T. (525) 417
- Gallay, J., see Vincent, M. (525) 1
- Gasa, S., see Ishibashi, T. (525) 265
- Giroux, E. and Vargaftig, B.B.
Clostridiopeptidase B inhibition by plasma macroglobulins (525) 429
- Glynn, I.M., see Karlsh, S.J.D. (525) 252
- Glynn, I.M., see Karlsh, S.J.D. (525) 230
- Godager, H.K., see Pedersen, J.I. (525) 28
- Godefroi, V.C., see Horwitz, J.P. (525) 364
- Gold, A.M., see Hu, H.Y. (525) 55
- Göppinger, A., Riebschläger, M., Ronai, A. and V. Deimling, O.
Esterase XXVII. Purification and characterization of esterase-9A of mouse kidney (525) 74
- Grant, A.J. and Lerner, L.M.
Unusual substrates for adenosine deaminase from calf intestinal mucosa (525) 472
- Greenberg, H.S., see Chang, A.Y. (525) 134
- Greenwood, K.T. and Luke, R.K.J.
Enzymatic hydrolysis of enterochelin and its iron complex in *Escherichia coli* K-12. Properties of enterochelin esterase (525) 209
- Guerriore, A., see Tortora, P. (525) 297
- Guy, O., see Colomb, E. (525) 186
- Hamers, M.N., see Schram, A.W. (525) 410
- Hanozet, G.M., see Tortora, P. (525) 297
- Harada, M., see Kato, T. (525) 417
- Hinsch, B. and Kula, M.-R.
Influence of viscosity on enzymatic reactions studied with glucoamylase of *Aspergillus niger* (525) 392
- Hiroimi, K., see Nakatani, H. (525) 422
- Hokin, L.E., see Perrone, J.R. (525) 446
- Horwitz, J.P., Misra, R.S., Rozhin, J., Neehan, J.P., Huo, A., Godefroi, V.C., Phillips, K.D., Chung, H.L., Butke, G. and Brooks, S.C.
IV. Synthesis and assay of analogs of adenosine 3',5'-diphosphate as inhibitors of bovine adrenal estrogen sulfotransferase (525) 364
- Hu, H.Y. and Gold, A.M.
Inhibition of rabbit muscle glycogen phosphorylase by α -D-glucopyranose-1,2-cyclic phosphate (525) 55
- Huo, A., see Horwitz, J.P. (525) 364
- Ichihara, A., see Noda, C. (525) 307
- Ishibashi, T., Gasa, S., Ohkubo, I. and Ma-kita, A.
Affinity purification and some properties of nucleoside diphosphatase from rat liver cytosol (525) 265
- Järv, J., see Langel, Ü. (525) 122
- Jensen, K.F.
Two purine nucleoside phosphorylases in *Bacillus subtilis*. Purification and some properties of the adenosine-specific phosphorylase (525) 346
- Karlsh, S.J.D., Yates, D.W. and Glynn, I.M.
Conformational transitions between Na^+ -bound and K^+ -bound forms of $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$, studied with formycin nucleotides (525) 252
- Karlsh, S.J.D., Yates, D.W. and Glynn, I.M.
Elementary steps of the $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ mechanism, studied with formycin nucleotides (525) 230
- Kato, T., Nagatsu, T., Fukasawa, K., Harada, M., Nagatsu, I. and Sakakibara, S.
Successive cleavage of N-terminal $\text{Arg}^1\text{-Pro}^2$ and $\text{Lys}^3\text{-Pro}^4$ from substance P but no release of $\text{Arg}^1\text{-Pro}^2$ from bradykinin, by X-Pro dipeptidyl-aminopeptidase (525) 417
- Katsuki, H., see Takatani, S. (525) 87
- Kosugi, T., see Tamura, Y. (525) 194
- Kula, M.-R., see Hinsch, B. (525) 392
- Kurlansk, L., see Christopher, J.P. (525) 112
- Laidler, K.J., see Ngo, T.T. (525) 93
- Langel, Ü. and Järv, J.
Leaving group effects in butyrylcholinesterase reaction with organophosphorus inhibitors (525) 122
- Le Deaut, J.-Y., Egly, J.-M., Ledig, M. and Mandel, P.
Purification of a soluble ATPase from rat liver mitochondria by AMP-Sepharose affinity chromatography (525) 438
- Ledig, M., see Le Deaut, J.-Y. (525) 438
- Lerner, L.M., see Grant, A.J. (525) 472
- Lillehaug, J.R.
Inhibition of T4-polynucleotide kinase by the ATP analog, β,γ -imidoadenylyl 5'-triphosphate (525) 357
- Lindahl, R.
Aldehyde dehydrogenase in 2-acetyl-

- aminofluorene-induced rat hepatomas. Characterization of antigens recognized by antihepatoma aldehyde dehydrogenase sera (525) 9
- Lively, M.O. and Powers, J.C.
Specificity and reactivity of human granulocyte elastase and cathepsin G, porcine pancreatic elastase, bovine chymotrypsin and trypsin toward inhibition with sulfonyl fluorides (525) 171
- Lopez-Romero, E., Ruiz-Herrera, J. and Bartnicki-Garcia, S.
Purification and properties of an inhibitory protein of chitin synthetase from *Mucor rouxii* (525) 338
- Luke, R.K.J., see Greenwood, K.T. (525) 209
- Maheshwari, R., see Prasad, A.R.S. (525) 162
- Makita, A., see Ishibashi, T. (525) 265
- Mandel, P., see Le Deaut, J.-Y. (525) 438
- Maurel, P., Douzou, P., Waldmann, J. and Yonetani, T.
Enzyme behaviour and molecular environment. The effect of ionic strength, detergents, linear polyanions and phospholipids on the pH profile of soluble cytochrome oxidase (525) 314
- Mersmann, G., Becker, R. and Buddecke, E.
Amount and properties of uptake forms in preparations of α -mannosidase from pig kidney (525) 154
- Michel, R., see Colomb, E. (525) 186
- Millar, D.B., see Christopher, J.P. (525) 112
- Misra, R.S., see Horwitz, J.P. (525) 364
- Moore, A.L., see Rich, P.R. (525) 325
- Mori, H., see Tamura, Y. (525) 194
- Morita, T., see Nakatani, H. (525) 422
- Murakami, U. and Uchida, K.
Purification and characterization of a myosin-cleaving protease from rat heart myofibrils (525) 219
- Muronetz, V.I., Asryan, R.A. and Nagradova, N.K.
Immobilized hybrids of glyceraldehyde-3-phosphate dehydrogenase (525) 291
- Nagatsu, I., see Kato, T. (525) 417
- Nagatsu, T., see Kato, T. (525) 417
- Nagradova, N.K., see Muronetz, V.I. (525) 291
- Nakane, M. and Deguchi, T.
Purification and properties of guanylate cyclase from the synaptosomal soluble fraction of rat brain (525) 275
- Nakatani, H., Morita, T. and Hiromi, K.
Substituent effect on the elementary processes of the interaction between several benzenboronic acids and subtilisin BPN' (525) 423
- Neenan, J.P., see Horwitz, J.P. (525) 364
- Ngo, T.T. and Laidler, K.J.
Temperature and pH effects with immobilized electric eel acetylcholinesterase (525) 93
- Noda, C. and Ichihara, A.
Purification and properties of L-lysine- α -ketoglutarate reductase from rat liver mitochondria (525) 307
- O'Brien, R.D., see Tripathi, R.K. (525) 103
- Ohkubo, I., see Ishibashi, T. (525) 265
- Osumi, T., see Taketani, S. (525) 87
- Otsuka, A., see Tamura, Y. (525) 194
- Påhlman, S., see Titanji, V.P.K. (525) 380
- Pedersen, J.I. and Godager, H.K.
Purification of NADPH-ferredoxin reductase from rat liver mitochondria (525) 28
- Perrone, J.R. and Hokin, L.E.
Effects of wheat germ agglutinin and concanavalin A on parameters of highly purified sodium-potassium adenosine triphosphatases from *Squalus acanthias* and *Electrophorus electricus* (525) 446
- Philips, K.D., see Horwitz, J.P. (525) 364
- Powers, J.C., see Lively, M.O. (525) 171
- Prasad, A.R.S. and Maheshwari, R.
Purification and properties of trehalase from the thermophilic fungus *Humicola lanuginosa* (525) 162
- Rich, P.R., Wiegand, N.K., Blum, H., Moore, A.L. and Bonner, Jr., W.D.
Studies on the mechanism of inhibition of redox enzymes of substituted hydroxamic acids (525) 325
- Riebschläger, M., see Göppinger, A. (525) 74
- Rinderknecht, H. and Friedman, R.
Effect of bile acids and ionic strength on trypsinogen activation by human enteropeptidase (525) 200
- Ronai, A., see Göppinger, A. (525) 74
- Roos, D., see Bos, A. (525) 37
- Roverly, M., Boudouard, M. and Bianchetta, J.
An improved large scale procedure for the purification of porcine pancreatic lipase (525) 373
- Rozhin, J., see Horwitz, J.P. (525) 364
- Ruiz-Herrera, J., see Lopez-Romero, E. (525) 338
- Sakakibara, S., see Kato, T. (525) 417
- Sakurai, E., see Tamura, Y. (525) 194

- Schoene, K.
Aging of soman-inhibited acetylcholines-
terase: inhibitors and accelerators (525)
468
- Schram, A.W., De Groot, P.G., Hamers,
M.N., Brouwer-Kelder, B., Donker-Koop-
man, W.E. and Tager, J.M.
Further characterization of two forms of
N-acetyl- α -galactosaminidase from human
liver (525) 410
- Sharma, R.P., see Bloxham, D.P. (525) 61
- Sone, K., see Tamura, Y. (525) 194
- Sumi, H., see Tamura, Y. (525) 194
- Sweeley, C.C., see Bishop, D.F. (525) 399
- Tager, J.M., see Schram, A.W. (525) 410
- Taketani, S., Osumi, T. and Katsuki, H.
Characterization of sterol-ester hydrolase
in *Saccharomyces cerevisiae* (525) 87
- Tamura, Y., Otsuka, A., Sone, K., Sakurai,
E., Mori, H., Sumi, H., Kosugi, T. and
Fujii, S.
A method using fibrin-fixed Blue Dextran
for determining the plasmin and plasmin
inhibitor activities in human plasma (525)
194
- Telford, J.N., see Tripathi, R.K. (525) 103
- Titanji, V.P.K. and Pählman, S.
Protamine-agarose and non-charged alkyl
derivatives of agarose in the purification
of rat-liver phosphoprotein phosphatases
(525) 380
- Tortora, P., Hanozet, G.M., Guerritore, A.,
Vincenzini, M.T. and Vanni, P.
Selective denaturation of several yeast
enzymes by free fatty acids (525) 297
- Tripathi, R.K., Telford, J.N. and O'Brien,
R.D.
Molecular and structural characteristics of
house fly brain acetylcholinesterase (525)
103
- Uchida, K., see Murakami, U. (525) 219
- Vanni, P., see Tortora, P. (525) 297
- Vargaftig, B.B., see Giroux, E. (525) 429
- V. Deimling, O., see Göppinger, A. (525) 74
- Vincent, M., Gallay, J., De Paillerets, C., Alf-
sen, A., Biellman, J.F. and Foucaud, B.Y.
Role of thiol group(s) in the enzymatic
activity of the membrane-bound Δ^5 - β -
hydroxysteroid dehydrogenase from bo-
vine adrenal cortex microsomes (525) 1
- Vincenzini, M.T., see Tortora, P. (525) 297
- Waldmann, J., see Maurel, P. (525) 314
- Wever, R., see Bos, A. (525) 37
- Wiegand, N.K., see Rich, P.R. (525) 325
- Yates, D.W., see Karlsh, S.J.D. (525) 230
- Yates, D.W., see Karlsh, S.J.D. (525) 252
- Yonetani, T., see Maurel, P. (525) 314