

Author index

- Aalbers, S.E., see Plijter, J.J. (935) 299
 Achatz, A., see Wastyn, M. (935) 21
 Adam, V., see Kotke, M. (935) 87
 Allen, J.F., see Holmes, N.G. (935) 72
 Arata, H., see Takamiya, K.-i. (935) 26
- Bagyinka, C., see Kovacs, K.L. (935) 166
 Baquero, Y., see Sánchez Olavarria, J. (935) 322
 Barends, J.-P.F., see Plijter, J.J. (935) 299
 Bassi, R., Giacometti, G.M. and Simpson, D.J.
 Changes in the organization of stroma membranes induced
 by in vivo state 1-state 2 transition (935) 152
 Berden, J.A., see De Vries, S. (935) 208
 Bertsch, J., see Wynn, R.M. (935) 115
 Bianco, P., see Nivière, V. (935) 34
 Bosch, W., see Kotke, M. (935) 87
 Boyer, J.M., see Hirasawa, M. (935) 1
 Brdiczka, D., see Kotke, M. (935) 87
 Bremm, G., see Kotke, M. (935) 87
 Britton, G., see Evans, M.B. (935) 292
 Brogley, L., see Renthal, R. (935) 109
 Bruce, B.D., see Wynn, R.M. (935) 115
 Buchanan, B.B., see Hirasawa, M. (935) 1
- Cogdell, R.J., see Evans, M.B. (935) 292
 Crofts, A.R., see Venturoli, G. (935) 258
- Davis, D.J., see Hirasawa, M. (935) 1
 Dennenberg, R., see Jursinic, P. (935) 225
 De Vries, S., Van Hoek, A.N. and Berden, J.A.
 The oxidation-reduction kinetics of cytochromes *b*, *c*₁ and
 c in initially fully reduced mitochondrial membranes are in
 agreement with the Q-cycle hypothesis (935) 208
 Doi, M., see Takamiya, K.-i. (935) 26
 Droux, M., see Hirasawa, M. (935) 1
 Dutton, P.L., see Robertson, D.E. (935) 273
- Eaton-Rye, J.J. and Govindjee,
 Electron transfer through the quinone acceptor complex of
 Photosystem II after one or two actinic flashes in bi-
 carbonate-depleted spinach thylakoid membranes (935) 248
 Eaton-Rye, J.J. and Govindjee,
 Electron transfer through the quinone acceptor complex of
 photosystem II in bicarbonate-depleted spinach thylakoid
 membranes as a function of actinic flash number and
 frequency (935) 237
 Evans, M.B., Cogdell, R.J. and Britton, G.
 Determination of the bacteriochlorophyll:carotenoid ratios
 of the B890 antenna complex of *Rhodospirillum rubrum* and
 the B800-850 complex of *Rhodobacter sphaeroides* (935)
 292
- Fernández-Velasco, J.G., see Venturoli, G. (935) 258
 Friesner, R.A., see Won, Y. (935) 9
 Fromme, R., see Renger, G. (935) 173
 Fujita, T., see Miyoshi, H. (935) 312
 Furushima, R., see Kita, K. (935) 130
- Galindo, C., see Sánchez Olavarria, J. (935) 322
 Giacometti, G.M., see Bassi, R. (935) 152
 Govindjee, see Eaton-Rye, J.J. (935) 237
 Govindjee, see Eaton-Rye, J.J. (935) 248
 Gray, K.A., see Hirasawa, M. (935) 1
- Hagemann, R., see Renger, G. (935) 173
 Haladjian, J., see Nivière, V. (935) 34
 Hatchikian, E.C., see Nivière, V. (935) 34
 Hirasawa, M., Droux, M., Gray, K.A., Royer, J.M., Davis,
 D.J., Buchanan, B.B. and Knaff, D.B.
 Ferredoxin-thioredoxin reductase: properties of its complex
 with ferredoxin (935) 1
 Hodges, M. and Moya, I.
 Time-resolved chlorophyll fluorescence studies on pig-
 ment-protein complexes from photosynthetic membranes
 (935) 41
 Holmes, N.G. and Allen, J.F.
 Protein phosphorylation in chromatophores from *Rhodo-*
 spirillum rubrum (935) 72
 Houštěk, J., Kopecký, J., Rychter, Z. and Soukup, T.
 Uncoupling protein in embryonic brown adipose tissue -
 existence of nonthermogenic and thermogenic mitochondria
 (935) 19
- Jursinic, P. and Dennenberg, R.
 Thylakoid Photosystem II activity supported by the non-
 quinone acceptor Q₄₀₀ and an ancillary quinone acceptor
 Aq (935) 225
- Katch, S., see Sonoike, K. (935) 61
 Kita, K., Takamiya, S., Furushima, R., Ma, Y.-c., Suzuki, H.,
 Ozawa, T. and Oya, H.
 Electron-transfer complexes of *Ascaris suum* muscle
 mitochondria. III. Composition and fumarate reductase
 activity of Complex II (935) 130
 Knaff, D.B., see Hirasawa, M. (935) 1
 Kopecký, J., see Houštěk, J. (935) 19
 Kotke, M., Adam, V., Riesinger, I., Bremm, G., Bosch, W.,
 Brdiczka, D., Sandri, G. and Panfil, E.
 Mitochondrial boundary membrane contact sites in brain:
 points of hexokinase and creatine kinase location, and
 control of Ca²⁺ transport (935) 87
 Kovacs, K.L., Bagyinka, C. and Tigyi, G.
 Proteolytic resistance and its utilization in purification of
 hydrogenase from *Thiocapra roseopersicina* (935) 166

- Ma, Y.-c., see Kita, K. (935) 130
- Malkin, R., see Wynn, R.M. (935) 115
- Malmström, B.G., see Thörnström, P.-E. (935) 103
- Mauring, K., see Renge, I. (935) 333
- Melandri, B.A., see Venturoli, G. (935) 258
- Mills, J.D., see Noctor, G. (935) 53
- Miyoshi, H. and Fujita, T.
Quantitative analyses of the uncoupling activity of substituted phenols with mitochondria from flight muscles of house flies (935) 312
- Molitor, V., see Wastyn, M. (935) 217
- Montero, M., see Sánchez Olavarria, J. (935) 322
- Moya, I., see Hočges, M. (935) 41
- Nilsson, T., see Thörnström, P.-E. (935) 103
- Nivière, V., Hatchikian, E.C., Bianco, P. and Haladjian, J.
Kinetic studies of electron transfer between hydrogenase and cytochrome c_3 from *Desulfotomobacter gigas*. Electrochemical properties of cytochrome c_3 (935) 34
- Noctor, G. and Mills, J.D.
Thiol modulation of the thylakoid ATPase. Lack of oxidation of the enzyme in the presence of ΔF_H^+ in vivo and a possible explanation of the physiological requirement for thiol regulation of the enzyme (935) 53
- Norling, B., Strid, Å. and Nyrén, P.
Conversion of coupling factor 1 of *Rhodospirillum rubrum* from a Ca^{2+} -ATPase into a Mg^{2+} -ATPase (935) 123
- Nyrén, P., see Norling, B. (935) 123
- Ohnishi, T., see Pennoyer, J.D. (935) 195
- Oya, H., see Kita, K. (935) 130
- Ozawa, T., see Kita, K. (935) 130
- Panfil, E., see Kottke, M. (935) 87
- Paradies, G. and Ruggiero, F.M.
Effect of hyperthyroidism on the transport of pyruvate in rat-heart mitochondria (935) 79
- Pennoyer, J.D., Ohnishi, T. and Trumpower, B.L.
Purification and properties of succinate-ubiquinone oxidoreductase complex from *Paracoccus denitrificans* (935) 195
- Peschek, G.A., see Wastyn, M. (935) 217
- Plijter, J.J., Aalbers, S.E., Barends, J.-P.F., Vos, M.H. and Van Gorkom, H.J.
Oxygen release may limit the rate of photosynthetic electron transport; the use of a weakly polarized oxygen cathode (935) 299
- Renge, I., Mauring, K. and Vladkova, R.
Zero-phonon transitions of chlorophyll a in mature plant leaves revealed by spectral hole-burning method at 5 K (935) 333
- Renger, G., Fromme, R. and Hagemann, R.
The modification of atrazine binding by the redox state of the endogenous high-spin iron and by specific proteolytic enzymes in Photosystem II membrane fragments and intact thylakoids (935) 173
- Renthal, R., Brogley, L. and Vila, J.
Altered protein-chromophore interaction in dicyclohexyl-carbodiimide-modified purple membrane sheets (935) 109
- Riesinger, I., see Kottke, M. (935) 87
- Riethman, H.C. and Sherman, L.A.
Purification and characterization of an iron stress-induced chlorophyll-protein from the cyanobacterium *Anacystis nidulans* R2 (935) 141
- Robertson, D.E. and Dutton, P.L.
The nature and magnitude of the charge-separation reactions of ubiquinol cytochrome c_2 oxidoreductase (935) 273
- Ruggiero, F.M., see Paradies, G. (935) 79
- Rychter, Z., see Houštěk, J. (935) 19
- Sánchez Olavarria, J., Galindo, C., Montero, M., Baquero, Y., Vitorica, J. and Satrustegui, J.
Measurement of 'in situ' mitochondrial membrane potential in Ehrlich ascites tumor cells during aerobic glycolysis (935) 322
- Sandri, G., see Kottke, M. (935) 87
- Satrústegui, J., see Sánchez Olavarria, J. (935) 322
- Sherman, L.A., see Riethman, H.C. (935) 141
- Shioi, Y., see Takamiya, K.-i. (935) 26
- Simpson, D.J., see Bassi, R. (935) 152
- Sinclair, J. and Spence, S.M.
The analysis of fluorescence induction transients from di-chlorophenylidimethylurea-poisoned chloroplasts (935) 184
- Sonoike, K. and Katoh, S.
Effects of sodium dodecyl sulfate and methyl viologen on the differential extinction coefficient of P-700 - a band shift of chlorophyll a associated with oxidation of P-700 (935) 61
- Soukup, T., see Houštěk, J. (935) 19
- Spence, S.M., see Sinclair, J. (935) 184
- Strid, Å., see Norling, B. (935) 123
- Suzuki, H., see Kita, K. (935) 130
- Takamiya, K.-i., Arata, H., Shioi, Y. and Doi, M.
Restoration of the optimal redox state for the photosynthetic electron transfer system by auxiliary oxidants in an aerobic photosynthetic bacterium, *Erythrobacter* sp. OCh 114 (935) 26
- Takamiya, S., see Kita, K. (935) 130
- Thörnström, P.-E., Nilsson, T. and Malmström, B.G.
The possible role of the closed-open transition in proton pumping by cytochrome c oxidase: the pH dependence of cyanide inhibition (935) 103
- Tigyi, G., see Kovacs, K.L. (935) 166
- Trumpower, B.L., see Pennoyer, J.D. (935) 195
- Van Gorkom, H.J., see Plijter, J.J. (935) 299
- Van Hoek, A.N., see De Vries, S. (935) 208
- Venturoli, G., Fernández-Velasco, J.G., Crofts, A.R. and Melandri, B.A.
The effect of the size of the quinone pool on the electrogenic reactions in the ubiquinol-cytochrome c_2 oxidoreductase of *Rhodobacter capsulatus*. Pool behaviour at the quinone reductase site (935) 258

- Vila, J., see Renthal, R. (935) 109
- Vitorica, J., see Sánchez Olavarria, J. (935) 322
- Vladkova, R., see Renge, I. (935) 333
- Vos, M.H., see Plijter, J.J. (935) 299
- Wastyn, M., Achatz, A., Molitor, V. and Peschek, G.A.
Respiratory activities and *aa₃*-type cytochrome oxidase in plasma and thylakoid membranes from vegetative cells and heterocysts of the cyanobacterium *Anabaena* ATCC 29413 (935) 217
- Won, Y. and Friesner, R.A.
On the viability of the superexchange mechanism in the primary charge separation step of bacterial photosynthesis (935) 9
- Wynn, R.M., Bertsch, J., Bruce, B.D. and Mälikin, R.
Green algal cytochrome *b₆-f* complexes: isolation and characterization from *Dunaliella salina*, *Chlamydomonas reinhardtii* and *Scenedesmus obliquus* (935) 115