

AUTHOR INDEX

- Allen, J.F. and Horton, P.
Chloroplast protein phosphorylation and chlorophyll fluorescence quenching. Activation by tetramethyl-p-hydroquinone, an electron donor to plastoquinone (638) 290
- Anderson, L.E., see Ashton, A.R. (638) 242
- Arata, H. and Parson, W.W.
Delayed fluorescence from *Rhodospseudomonas sphaeroides* reaction centers. Enthalpy and free energy changes accompanying electron transfer from P-870 to quinones (638) 201
- Ashton, A.R. and Anderson, L.E.
Resolution of the light-dependent modulation system of pea chloroplasts (638) 242
- Azzi, A., see Casey, R.P. (638) 86
- Barber, J., see Chow, W.S. (638) 60
- Barber, J., see Rubin, B.T. (638) 69
- Bhatia, B., see Tripathy, B.C. (638) 217
- Bielski, B.H.J., see Maskiewicz, R. (638) 153
- Boogerdt, F.C., Van Verseveld, H.W. and Stouthamer, A.H.
Respiration-driven proton translocation with nitrite and nitrous oxide in *Paracoccus denitrificans* (638) 181
- Boso, B., Debrunner, P., Okamura, M.Y. and Feher, G.
Mössbauer spectroscopy studies of photosynthetic reaction centers from *Rhodospseudomonas sphaeroides* R-26 (638) 173
- Briquet, M., Purnelle, B., Faber, A.-M. and Goffeau, A.
Identification of three distinct spectral species of yeast mitochondrial cytochrome b using a combination of respiratory inhibitors (638) 116
- Broger, C., see Casey, R.P. (638) 86
- Bryta, J. and Dzik, J.M.
Phosphoenolpyruvate efflux from kidney cortex mitochondria of rabbit (638) 250
- Carabez, A. and Sandoval, F.
On the mechanism of action of polyether XXVIII at site I of the electron-transfer chain in rat liver mitochondria (638) 125
- Carlsson, C., and Ernster, L.
Uncoupler-reversible inhibition of mitochondrial ATPase by metal chelates of bathophenanthroline. I. General features (638) 345
- Carlsson, C. and Ernster, L.
Uncoupler-reversible inhibition of mitochondrial ATPase by metal chelates of bathophenanthroline. II. Comparison with other inhibitors (638) 358
- Casey, R.P., Broger, C. and Azzi, A.
Structural studies on the cytochrome c oxidase proton pump using a spin-label probe (638) 86
- Chapman, D.J., see Chow, W.S. (638) 60
- Cheah, A.M., see Cheah, K.S. (638) 40
- Cheah, K.S. and Cheah, A.M.
Skeletal muscle mitochondrial phospholipase A₂ and the interaction of mitochondria and sarcoplasmic reticulum in porcine malignant hyperthermia (638) 40
- Chow, W.S., Telfer, A., Chapman, D.J. and Barber, J.
State 1-state 2 transition in leaves and its association with ATP-induced chlorophyll fluorescence quenching (638) 60
- Chow, W.S., see Rubin, B.T. (638) 69
- Debrunner, P., see Boso, B. (638) 173
- Demeter, S., see Droppa, M. (638) 210
- Droppa, M., Horvath, G., Vass, I. and Demeter, S.
Mode of action of Photosystem II herbicides studied by thermoluminescence (638) 210
- Dzik, J.M., see Bryta, J. (638) 250
- Eboli, M.L. and Galeotti, T.
Evidence for the occurrence of the malate-citrate shuttle in intact Ehrlich ascites tumor cells (638) 75
- Eckert, H.J., see Renger, G. (638) 161
- Ernster, L., see Carlsson, C. (638) 345
- Ernster, L., see Carlsson, C. (638) 358
- Etzion-Katz, R., see Jennings, R.C. (638) 100
- Faber, A.-M., see Briquet, M. (638) 116
- Feher, G., see Boso, B. (638) 173
- Flügge, U.I. and Heldt, H.W.
The phosphate translocator of the chloroplast envelope. Isolation of the carrier protein and reconstitution of transport (638) 296
- Ford, D.C., see Öquist, G. (638) 192
- Förster, V., Hong, Y.-Q. and Junge, W.
Electron transfer and proton pumping under excitation of dark-adapted chloroplasts with flashes of light (638) 141
- Forti, G., see Jennings, R.C. (638) 100
- Galeotti, T., see Eboli, M.L. (638) 75
- Garlaschi, F.M., see Jennings, R.C. (638) 100
- Gerola, P.D., see Jennings, R.C. (638) 100
- Goffeau, A., see Briquet, M. (638) 116
- Hammond, R.C., Rees, B. and Higgins, I.J.
Factors affecting proton translocation by facultative methylotrophs (638) 22
- Hanwell, D.R., see Muir, M.E. (638) 234
- Heldt, H.W., see Flügge, U.I. (638) 296
- Heldt, H.W., see Stitt, M. (638) 1
- Hervo, G., see Setif, P. (638) 257

- Higgins, I.J., see Hammond, R.C. (638) 22
- Homann, P.H. and Liu, Y.-Y.
Properties of thylakoids and thylakoid particles derived from structurally different chloroplasts (638) 12
- Hong, Y.-Q., see Förster, V. (638) 141
- Horton, P., see Allen, J.F. (638) 290
- Horvath, G., see Droppa, M. (638) 210
- Hoshina, S.
Temperature dependence of optical properties of chlorophyll a incorporated into phosphatidylcholine liposomes (638) 334
- Itoh, S., see Masamoto, K. (638) 108
- Jennings, R.C., Garlaschi, F.M., Gerola, P.D., Etzion-Katz, R. and Forti, G.
Proton-induced grana formation in chloroplasts. Distribution of chlorophyll-protein complexes and Photosystem II photochemistry (638) 100
- Joliot, A., see Joliot, P. (638) 132
- Joliot, P. and Joliot, A.
Double photoreactions induced by a laser flash as measured by oxygen emission (638) 132
- Junge, W., see Förster, V. (638) 141
- Karube, I., see Kayano, H. (638) 80
- Kayano, H., Matsunaga, T., Karube, I. and Suzuki, S.
Hydrogen evolution by co-immobilized *Chlorella vulgaris* and *Clostridium butyricum* cells (638) 80
- Lin, S.-H. and Salton, M.R.J.
F₁-ATPase of *Micrococcus lysodeikticus* is not a glycoprotein (638) 275
- Liu, Y.-Y., see Homann, P.H. (638) 12
- Malmberg, G., see Öquist, G. (638) 192
- Masamoto, K., Matsuura, K., Itoh, S. and Nishimura, M.
Membrane-potential- and surface-potential-induced absorbance changes of merocyanine dyes added to chromatophores from *Rhodospseudomonas sphaeroides* (638) 108
- Maskiewicz, R. and Bielski, B.H.J.
Kinetics of some electron-transfer reactions in biological photosystems. I. Pulse radiolysis study of spinach ferredoxin reduction by the hydrated electron and CO₂⁻ radical (638) 153
- Mathis, P., see Setif, P. (638) 257
- Matsunaga, T., see Kayano, H. (638) 80
- Matsuura, K., see Masamoto, K. (638) 108
- McCauley, S.W. and Ruby, R.H.
Delayed fluorescence induction in chloroplasts. Irradiance dependence (638) 268
- Mohanty, P., see Tripathy, B.C. (638) 217
- Møller, I.M. and Palmer, J.M.
Properties of the oxidation of exogenous NADH and NADPH by plant mitochondria. Evidence against a phosphatase or a nicotinamide nucleotide transhydrogenase being responsible for NADPH oxidation (638) 225
- Muir, M.E., Hanwell, D.R. and Wallace, B.J.
Characterization of respiratory mutant of *Escherichia coli* with reduced uptake of aminoglycoside antibiotics (638) 234
- Nishimura, M., see Masamoto, K. (638) 108
- Nuyten, A., see Slooten, L. (638) 305
- Nuyten, A., see Slooten, L. (638) 313
- Okamura, M.Y., see Boso, B. (638) 173
- Öquist, G., Ford, D.C., Schoch, S. and Malmberg, G.
Solubilization and spectral characteristics of chlorophyll-protein complexes isolated from the thermophilic blue-green alga *Synechococcus lividus* (638) 192
- Paillotin, G., see Rubin, B.T. (638) 69
- Palmer, J.M., see Møller, I.M. (638) 225
- Parson, W.W., see Arata, H. (638) 201
- Parson, W.W., see Shuvalov, V.A. (638) 50
- Purnelle, B., see Briquet, M. (638) 116
- Rawlyer, A. and Siegenthaler, P.-A.
Regulation of Photosystem I electron flow activity by phosphatidylglycerol in thylakoid membranes as revealed by phospholipase treatment (638) 30
- Reichenbach, H., see Thierbach, G. (638) 282
- Rees, B., see Hammond, R.C. (638) 22
- Renger, G. and Eckert, H.J.
Studies on the functional organization of Photosystem II. The effect of protein-modifying procedures and the ADHY-agents on the reaction pattern of Photosystem II in Tris-washed chloroplasts (638) 161
- Richardson-Latchney, L., see Skerrett, K.J. (638) 120
- Rubin, B.T., Barber, J., Paillotin, G., Chow, W.S. and Yamamoto, Y.
A diffusional analysis of the temperature sensitivity of the Mg²⁺-induced rise of chlorophyll fluorescence from pea thylakoid membranes (638) 69
- Ruby, R.H., see McCauley, S.W. (638) 268
- Sandoval, F., see Carabez, A. (638) 125
- Sato, K.
Fluorescence induction and activity of ferredoxin-NADP⁺ reductase in *Bryopsis* chloroplasts (638) 327
- Schoch, S., see Öquist, G. (638) 192
- Schwartz, A., see Wang, T. (638) 341
- Senior, A.E., see Skerrett, K.J. (638) 120
- Setif, P., Hervo, G. and Mathis, P.
Flash-induced absorption changes in Photosystem I. Radical pair or triplet state formation? (638) 257
- Shuvalov, V.A. and Parson, W.W.
Triplet states of monomeric bacteriochlorophyll in vitro and of bacteriochlorophyll dimers in antenna and reaction center complexes (638) 50
- Siegenthaler, P.-A., see Rawlyer, A. (638) 30

- Skerrett, K.J., Wise, J.G., Richardson-Latchney, L. and Senior, A.E.
Trypsin cleavage of the α -subunit of beef-heart F_1 -ATPase abolishes ATP synthesis and ATP-driven energy-transduction capabilities (638) 120
- Slooten, L. and Nuyten, A.
Activation-deactivation reactions in the ATPase enzyme in *Rhodospirillum rubrum* chromatophores (638) 305
- Slooten, L. and Nuyten, A.
Nucleotide exchange and control of ATPase activity in *Rhodospirillum rubrum* chromatophores (638) 313
- Spijkerboer, F.W.J.M., see Wessels, J.S.C. (638) 94
- Stitt, M. and Heldt, H.W.
Simultaneous synthesis and degradation of starch in spinach chloroplasts in the light (638) 1
- Stouthamer, A.H., see Boogerd, F.C. (638) 181
- Suzuki, S., see Kayano, H. (638) 80
- Telfer, A., see Chow, W.S. (638) 60
- Thierbach, G. and Reichenbach, H.
Myxothiazol, a new inhibitor of the cytochrome b-c₁ segment of the respiratory chain (638) 282
- Tripathy, B.C., Bhatia, B. and Mohanty, P.
Inactivation of chloroplast photosynthetic electron-transport activity by Ni^{2+} (638) 217
- Van Verseveld, H.W., see Boogerd, F.C. (638) 181
- Vass, I., see Droppa, M. (638) 210
- Wallace, B.J., see Muir, M.E. (638) 234
- Wang, T. and Schwartz, A.
Phosphoenzyme decomposition in sarcoplasmic reticulum isolated from cat caudofemoralis, tibialis and soleus (638) 341
- Wessels, J.S.C. and Spijkerboer, F.W.J.M.
Studies on P-700 photo-oxidation and reduction in Photosystem I subchloroplast particles (638) 94
- Wise, J.G., see Skerrett, K.J. (638) 120
- Yamamoto, Y., see Rubin, B.T. (638) 69