

AUTHOR INDEX

- Albracht, S.P.J., see Schewe, T. (807) 210
- Allshire, A., Bernardi, P. and Saris, N.-E.L.
Manganese stimulates calcium flux through the mitochondrial uniporter (807) 202
- Amesz, J., see Coremans, J.M.C.C. (807) 134
- Amesz, J., see Nuijs, A.M. (807) 24
- Bar-Zvi, D., Yoshida, M. and Shavit, N.
Photoaffinity labeling of the TF_1 -ATPase from the thermophilic bacterium PS3 with 3'-O-(4-benzoyl)benzoyl ADP (807) 293
- Bell, D.H. and Hipkins, M.F.
Analysis of fluorescence induction curves from the pea chloroplasts. Photosystem II reaction centre heterogeneity (807) 255
- Bernardi, P., see Allshire, A. (807) 202
- Böger, P., see Schrautemeier, B. (807) 147
- Böhme, H., see Schrautemeier, B. (807) 147
- Borisov, A.Yu., Freiberg, A.M., Godik, V.I., Rebane, K.K. and Timpmann, K.E.
Kinetics of picosecond bacteriochlorophyll luminescence in vivo as a function of the reaction center state (807) 221
- Brooks, A., see Woodrow, I.E. (807) 263
- Brown, J.S.
Three photosynthetic antenna porphyrins in a primitive green alga (807) 143
- Coremans, J.M.C.C., Van der Wal, H.N., Van Grondelle, R., Amesz, J. and Knaff, D.B.
The pathway of cyclic electron transport in chromatophores of *Chromatium vinosum*. Evidence for a Q-cycle mechanism (807) 134
- Cusanovich, M.A., see Meyer, T.E. (807) 308
- Davenport, J.W.
Double inhibitor titrations of photophosphorylation are consistent with delocalized coupling (807) 300
- Duysens, L.N.M., see Nuijs, A.M. (807) 24
- Evans, M.C.W., see Ford, R.C. (807) 1
- Ferguson, S.J., see Parsonage, D. (807) 81
- Ford, R.C. and Evans, M.C.W.
Electron transfer to P-680⁺ in active and inhibited Photosystem II fractions from higher plants (807) 1
- Frank, H.A., see McGann, W.J. (807) 101
- Freiberg, A.M., see Borisov, A.Yu. (807) 221
- Furbank, R.T., see Woodrow, I.E. (807) 263
- Galmiche, J.M., see Lemaire, C. (807) 285
- Girault, G., see Lemaire, C. (807) 285
- Godde, D., see Oettmeier, W. (807) 216
- Godik, V.I., see Borisov, A.Yu. (807) 221
- Gonen, O., see Nechushtai, R. (807) 35
- Goñi, F.M., see Valpuesta, J.M. (807) 96
- Greenfield, A.J., see Parsonage, D. (807) 81
- Haehnel, W., see Holzwarth, A.R. (807) 155
- Hipkins, M.F., see Bell, D.H. (807) 255
- Höfle, G., see Oettmeier, W. (807) 216
- Holzwarth, A.R., Wendler, J. and Haehnel, W.
Time-resolved picosecond fluorescence spectra of the antenna chlorophylls in *Chlorella vulgaris*. Resolution of Photosystem I fluorescence (807) 155
- Honda, K., see Watanabe, T. (807) 110
- Hongu, A., see Watanabe, T. (807) 110
- Hunter, C.N., Kramer, H.J.M. and Van Grondelle, R.
Linear dichroism and fluorescence emission of antenna complexes during photosynthetic unit assembly in *Rhodospseudomonas sphaeroides* (807) 44
- Ikuno, M., see Terada, H. (807) 168
- Inoue, Y., see Koike, H. (807) 64
- Joppe, H.L.P., see Nuijs, A.M. (807) 24
- Katime I., see Valpuesta, J.M. (807) 96
- Katoh, S., see Yamagishi, A. (807) 74
- Knaff, D.B., see Coremans, J.M.C.C. (807) 134
- Koike, H. and Inoue, Y.
Properties of a peripheral 34 kDa protein in *Synechococcus vulcanus* Photosystem II particles. Its exchangeability with spinal 33 kDa protein in reconstitution of O₂ evolution (807) 64
- Konno, M., see Watanabe, T. (807) 110
- Kopacz, S.J., Mueller, D.M. and Lee, C.P.
Photoaffinity labelling of submitochondrial membranes with the 3-azido analogue of 9-amino-3-chloro-7-methoxyacridine (807) 177
- Kramer, H.J.M., see Hunter, C.N. (807) 44
- Krasnogolovets, V.V., see Tomchuk, P.M. (807) 272
- Kunze, B., see Oettmeier, W. (807) 216
- Lagoyanni, T., see Papageorgiou, G.C. (807) 230
- Latchney, L.R., see Perlin, D.S. (807) 238
- Lee, C.P., see Kopacz, S.J. (807) 177
- Lemaire, C., Girault, G. and Galmiche, J.M.
Flash-induced ATP synthesis in pea chloroplasts in relation to proton flux (807) 285

- Levanon, H., see Nechushtai, R. (807) 34
- Ludwig, P., see Schewe, T. (807) 210
- Lutz, M., see Robert, B. (807) 10
- Macarulla, J.M., see Valpuesta, J.M. (807) 96
- Maier, R.J., see Wong, T.-Y. (807) 320
- Marchiarullo, M.A. and Ross, R.T.
Resolution of component spectra for spinach chloroplasts and green algae by means of factor analysis (807) 52
- Mazaki, H., see Watanabe, T. (807) 110
- McGann, W.J. and Frank, H.A.
Magnetophotoselection of *Rhodospseudomonas sphaeroides* wild-type reaction centers (807) 101
- Meyer, T.E. and Cusanovich, M.A.
Soluble cytochrome composition of the purple phototrophic bacterium, *Rhodospseudomonas sphaeroides* ATCC 17023 (807) 308
- Miyao, M., see Nash, D. (807) 127
- Morikawa, N., see Terada, H. (807) 168
- Mueller, D.M., see Kopacz, S.J. (807) 177
- Murata, N., see Nash, D. (807) 127
- Murphy, D.J., see Woodrow, I.E. (807) 263
- Nagamune, H., see Terada, H. (807) 168
- Nakazato, M., see Watanabe, T. (807) 110
- Nash, D., Miyao, M. and Murata, N.
Heat inactivation of oxygen evolution in Photosystem II particles and its acceleration by chloride depletion and exogenous manganese (807) 127
- Nechushtai, R., Nelson, N., Gonen, O. and Levanon, H.
Photosystem I reaction center from *Mastigocladus laminosus*. Correlation between reduction state of the iron-sulfur centers and the triplet formation mechanisms (807) 35
- Nelson, N., see Nechushtai, R. (807) 35
- Nuijs, A.M., Vasmel, H., Joppe, H.L.P., Duysens, L.N.M. and Amsz, J.
Excited states and primary charge separation in the pigment system of the green photosynthetic bacterium *Prosthecochloris aestuarii* as studied by picosecond absorbance difference spectroscopy (807) 24
- Oettmeier, W., Godde, D., Kunze, B. and Höfle, G.
Stigmatellin. A dual type inhibitor of photosynthetic electron transport (807) 216
- Papageorgiou, G.C. and Lagoyanni, T.
Photosynthetic properties of rapidly permeabilized cells of the cyanobacterium *Anacystis nidulans* (807) 230
- Parsonage, D., Greenfield, A.J. and Ferguson, S.J.
The high affinity of *Paracoccus denitrificans* cells for nitrate as an electron acceptor. Analysis of possible mechanisms of nitrate and nitrite movement across the plasma membrane and the basis for inhibition by added nitrite of oxidase activity in permeabilised cells (807) 81
- Perlin, D.S., Latchney, L.R. and Senior, A.E.
Inhibition of *Escherichia coli* H⁺-ATPase by venturicidin, oligomycin and ossamycin (807) 238
- Procenko, N.A., see Tomchuk, P.M. (807) 272
- Rapoport, S.M., see Schewe, T. (807) 210
- Rebane, K.K., see Borisov, A.Yu. (807) 221
- Robert, B. and Lutz, M.
Structures of antenna complexes of several *Rhodospirillales* from their resonance Raman spectra (807) 10
- Ross, R.T., see Marchiarullo, M.A. (807) 52
- Rutherford, A.W.
Orientation of EPR signals arising from components in Photosystem II membranes (807) 189
- Saitoh, S., see Watanabe, T. (807) 110
- Saris, N.-E.L., see Allshire, A. (807) 202
- Scheer, H., see Steiner, R. (807) 278
- Schewe, T., Albracht, S.P.J., Ludwig, P. and Rapoport, S.M.
Two modes of irreversible inactivation of the mitochondrial electron-transfer system by tetradecanoic acid (807) 210
- Schrautemeier, B., Böhme, H. and Böger, P.
Reconstitution of a light-dependent nitrogen-fixing and transhydrogenase system with heterocyst thylakoids (807) 147
- Senior, A.E., see Perlin, D.S. (807) 238
- Shavit, N., see Bar-Zvi, D. (807) 293
- Soboll, S. and Stucki, J.
Regulation of the degree of coupling of oxidative phosphorylation in intact rat liver (807) 245
- Steiner, R. and Scheer, H.
Characterisation of a B800/1020 antenna from the photosynthetic bacteria *Ectothiorhodospira halochloris* and *Ectothiorhodospira abdelmalekii* (807) 278
- Stucki, J., see Soboll, S. 245
- Terada, H., Nagamune, H., Morikawa, N. and Ikuno, M.
Uncoupling of oxidative phosphorylation by divalent cationic cyanine dye. Participation of phosphate transporter (807) 168
- Timpmann, K.E., see Borisov, A.Yu. (807) 221
- Tomchuk, P.M., Procenko, N.A. and Krasnogolovets, V.V.
Quantum-mechanical descriptions of proton transfer in bio-systems containing hydrogen-bonded chains (807) 272
- Valpuesta, J.M., Goñi, F.M., Katime, I. and Macarulla, J.M.
Laser light-scattering characterization of mitochondrial complex III-Triton X-100 phospholipid mixed micelles (807) 96
- Van Grondelle, R., see Coremans, J.M.C.C. (807) 134
- Van Grondelle, R., see Hunter, C.N. (807) 44
- Van der Wal, H.N., see Coremans, J.M.C.C. (807) 134
- Vasmel, H., see Nuijs, A.M. (807) 24
- Watanabe, T., Nakazato, M., Mazaki, H., Hongu, A., Konno, M., Saitoh, S. and Honda, K.
Chlorophyll *a* epimer and pheophytin *a* in green leaves (807) 110
- Weis, E.
Light- and temperature-induced changes in the distribution of excitation energy between Photosystem I and Photosystem II in spinach leaves (807) 118
- Wendler, J., see Holzwarth, A.R. (807) 155

Wong, T.-Y. and Maier, R.J.

Chlorpromazine inhibition of electron transport in
Azobacter vinelandii membranes (807) 320

Woodrow, I.E., Furbank, R.T., Brooks, A. and Murphy, D.J.

The requirements for a steady state in the C_3 reductive
pentose phosphate pathway of photosynthesis (807) 263

Yamagishi, A. and Katoh, S.

Further characterization of the two Photosystem II reaction
center complex preparations from the thermophilic cyano-
bacterium *Synechococcus* sp. (807) 74

Yoshida, M., see Bar-Zvi, D. (807) 293