

Author index

- Aartsma, T.J., see Van Kan, P.J.M. (1020) 146
- Abramovitch, D.A., Marsh, D. and Powell, G.L.
Activation of beef-heart cytochrome *c* oxidase by cardiolipin and analogues of cardiolipin (1020) 34
- Adams, M.W.W.
The structure and mechanism of iron-hydrogenases (1020) 115
- Anderson, J.M., see Strid, Å. (1020) 260
- Antonyuk-Barynina, S.V., see Khangulov, S.V. (1020) 25
- Balaban, R.S., see Kupriyanov, V.V. (1020) 290
- Barber, J. and Melis, A.
Quantum efficiency for the photoaccumulation of reduced pheophytin in Photosystem II (1020) 285
- Barynin, V.V., see Khangulov, S.V. (1020) 25
- Barynin, V.V., see Khangulov, S.V. (1020) 305
- Berliner, M.A., see Karukstis, K.K. (1020) 163
- Berliner, M.A., see Karukstis, K.K. (1020) 169
- Boekema, E.J., Xiao, J. and McCarty, R.E.
Structure of the ATP synthase from chloroplasts studied by electron microscopy. Localization of the small subunits (1020) 49
- Bona, M., Fabian, M. and Sedláč, M.
Spectral and catalytic properties of cytochrome oxidase in organic solvents (1020) 94
- Boyer, P.D., see Milgrom, Y.M. (1020) 43
- Breton, J., see Thibodeau, D.L. (1020) 253
- Brettel, K., see Sétif, P. (1020) 232
- Bulté, L., Gans, P., Rebéillé, F. and Wollman, F.-A.
ATP control on state transitions in vivo in *Chlamydomonas reinhardtii* (1020) 72
- Chow, W.S., see Strid, Å. (1020) 260
- Demmig-Adams, B.
Carotenoids and photoprotection in plants: A role for the xanthophyll zeaxanthin (1020) 1
- Dennenberg, R.J., see Jursinic, P.A. (1020) 195
- Ducruet, J.-M., see Kirilovsky, D. (1020) 87
- Etienne, A.-L., see Kirilovsky, D. (1020) 87
- Fabian, M., see Bona, M. (1020) 94
- Forti, G. and Fusi, P.
Influence of thylakoid protein phosphorylation on Emerson enhancement and the quantum requirement of Photosystem I (1020) 247
- Fromme, P. and Gräber, P.
ATP-hydrolysis in chloroplasts: uni-site catalysis and evidence for heterogeneity of catalytic sites (1020) 187
- Fusi, P., see Forti, G. (1020) 247
- Gans, P., see Bulté, L. (1020) 72
- Garnier, J., Wu, B., Maroc, J., Guyon, D. and Trémolières, A.
Restoration of both an oligomeric form of the light-harvesting antenna CP II and a fluorescence state II-state I transition by Δ^3 -*trans*-hexadecenoic acid-containing phosphatidylglycerol, in cells of a mutant of *Chlamydomonas reinhardtii* (1020) 153
- Gräber, P., see Fromme, P. (1020) 187
- Grebenko, A.I., see Khangulov, S.V. (1020) 305
- Guyon, D., see Garnier, J. (1020) 153
- Hermes-Lima, M., see Vercesi, A.E. (1020) 101
- Hienerwadel, R., see Thibodeau, D.L. (1020) 253
- Holten, D., see McDowell, L.M. (1020) 239
- Howlett, B., see Umbach, A.L. (1020) 278
- Indiveri, C., Tonazzi, A. and Palmieri, F.
Identification and purification of the carnitine carrier from rat liver mitochondria (1020) 81
- Inoue, Y., see Ono, T.-a. (1020) 269
- Jagendorf, A.T., see Umbach, A.L. (1020) 278
- Jewell, C.J., see Karukstis, K.K. (1020) 163
- Jursinic, P.A. and Dennenberg, R.J.
Oxygen release time in leaf discs and thylakoids of peas and Photosystem II membrane fragments of spinach (1020) 195
- Karukstis, K.K., Berliner, M.A. and Kuwata, K.T.
Analysis of π charge distribution in substituted anthraquinones to assess affinity for the Q_B binding site (1020) 169
- Karukstis, K.K., Berliner, M.A., Jewell, C.J. and Kuwata, K.T.
Chlorophyll fluorescence measurements to assess the competition of substituted anthraquinones for the Q_B binding site (1020) 163
- Khangulov, S.V., Barynin, V.V. and Antonyuk-Barynina, S.V.
Manganese-containing catalase from *Thermus thermophilus* peroxide-induced redox transformation of manganese ions in presence of specific inhibitors of catalase activity (1020) 25
- Khangulov, S.V., Barynin, V.V., Voevodskaya, N.V. and Grebenko, A.I.
ESR spectroscopy of the binuclear cluster of manganese ions in the active center of Mn-catalase from *Thermus thermophilus* (1020) 305
- Kirilovsky, D., Ducruet, J.-M. and Etienne, A.-L.
Primary events occurring in photoinhibition in *Synechocystis* 6714 wild-type and an atrazine-resistant mutant (1020) 87
- Kirmaier, C., see McDowell, L.M. (1020) 239
- Kleinherenbrink, F.A.M., see Van Kan, P.J.M. (1020) 146
- Kupriyanov, V.V., Balaban, R.S., Lyulina, N.V., Steinschneider, A.Y. and Saks, V.A.
Combination of ^{31}P -NMR magnetization transfer and radioisotope exchange methods for assessment of an enzyme reaction mechanism: rate-determining steps of the creatine kinase reaction (1020) 290
- Kuwata, K.T., see Karukstis, K.K. (1020) 163
- Kuwata, K.T., see Karukstis, K.K. (1020) 169
- Lenz, F., see Thibodeau, D.L. (1020) 253
- Lyulina, N.V., see Kupriyanov, V.V. (1020) 290
- Mäntele, W., see Thibodeau, D.L. (1020) 253
- Maroc, J., see Garnier, J. (1020) 153
- Marsh, D., see Abramovitch, D.A. (1020) 34
- McCarty, R.E., see Boekema, E.J. (1020) 49
- McCurley, J.P., Miki, T., Yu, L. and Yu, C.-A.
EPR characterization of the cytochrome *b-c₁* complex from *Rhodobacter sphaeroides* (1020) 176
- McDowell, L.M., Kirmaier, C. and Holten, D.
Charge transfer and charge resonance states of the primary electron donor in wild-type and mutant bacterial reaction centers (1020) 239

- Melis, A., see Barber, J. (1020) 285
- Meyer-Fernandes, J.R., see Vercesi, A.E. (1020) 101
- Miki, T., see McCurley, J.P. (1020) 176
- Milgrom, Y.M. and Boyer, P.D.
The ADP that binds tightly to nucleotide-depleted mitochondrial F_1 -ATPase and inhibits catalysis is bound at a catalytic site (1020) 43
- Miller, A. and Oesterhelt, D.
Kinetic optimization of bacteriorhodopsin by aspartic acid 96 as an internal proton donor (1020) 57
- Nabedryk, E., see Thibodeau, D.L. (1020) 253
- Nieveen, M.C., see Van Kan, P.J.M. (1020) 146
- Oesterhelt, D., see Miller, A. (1020) 57
- Ogrodnik, A.
The free energy difference between the excited primary donor 1P and the radical pair state P^+H^- in reaction centers of *Rhodobacter sphaeroides* (1020) 65
- Ono, T.-a. and Inoue, Y.
Abnormal redox reactions in photosynthetic O_2 -evolving centers in NaCl/EDTA-washed PS II. A dark-stable EPR multiline signal and an unknown positive charge accumulator (1020) 269
- Orme-Johnson, N.R.
Distinctive properties of adrenal cortex mitochondria (1020) 213
- Otte, S.C.M., see Van Kan, P.J.M. (1020) 146
- Palmieri, F., see Indiveri, C. (1020) 81
- Powell, G.L., see Abramovitch, D.A. (1020) 34
- Rebéillé, F., see Bulté, L. (1020) 72
- Saks, V.A., see Kupriyanov, V.V. (1020) 290
- Sedlák, M., see Bona, M. (1020) 94
- Sétif, P. and Brettel, K.
Photosystem I photochemistry under highly reducing conditions: study of the P700 triplet state formation from the secondary radical pair ($P700^+-A_1^-$) (1020) 232
- Sone, N. and Takagi, T.
Monomer-dimer structure of cytochrome-c oxidase and cytochrome bc_1 complex from the thermophilic bacterium PS3 (1020) 207
- Steinschneider, A.Y., see Kupriyanov, V.V. (1020) 290
- Strid, Å., Chow, W.S. and Anderson, J.M.
Effects of supplementary ultraviolet-B radiation on photosynthesis in *Pisum sativum* (1020) 260
- Takagi, T., see Sone, N. (1020) 207
- Takahashi, E. and Wraight, C.A.
A crucial role for Asp^{L213} in the proton transfer pathway to the secondary quinone of reaction centers from *Rhodobacter sphaeroides* (1020) 107
- Thibodeau, D.L., Nabedryk, E., Hienerwadel, R., Lenz, F., Mäntele, W. and Breton, J.
Time-resolved FTIR spectroscopy of quinones in *Rb. sphaeroides* reaction centers (1020) 253
- Tonazzi, A., see Indiveri, C. (1020) 81
- Trémolières, A., see Garnier, J. (1020) 153
- Umbach, A.L., Jagendorf, A.T. and Howlett, B.
N-Ethylmaleimide inhibits the sulfite stimulation of spinach thylakoid ATPase (1020) 278
- Van Gorkom, H.J., see Van Kan, P.J.M. (1020) 146
- Van Kan, P.J.M., Otte, S.C.M., Kleinherenbrink, F.A.M., Nieveen, M.C., Aartsma, T.J. and Van Gorkom, H.J.
Time-resolved spectroscopy at 10 K of the Photosystem II reaction center; deconvolution of the red absorption band (1020) 146
- Vercesi, A.E., Hermes-Lima, M., Meyer-Fernandes, J.R. and Vieyra, A.
Calcium inhibition of the $ATP \rightleftharpoons [^{32}P]P_i$ exchange and of net ATP synthesis catalyzed by bovine submitochondrial particles (1020) 101
- Vieyra, A., see Vercesi, A.E. (1020) 101
- Voevodskaya, N.V., see Khangulov, S.V. (1020) 305
- Wollman, F.-A., see Bulté, L. (1020) 72
- Wraight, C.A., see Takahashi, E. (1020) 107
- Wu, B., see Garnier, J. (1020) 153
- Xiao, J., see Boekema, E.J. (1020) 49
- Yu, C.-A., see McCurley, J.P. (1020) 176
- Yu, L., see McCurley, J.P. (1020) 176