

Author index

- Adams, V., see Bücheler, K. (1056) 233
- Antonio, R.V., Pereira da Silva, L. and Vercesi, A.E.
Alterations in mitochondrial Ca^{2+} flux by the antibiotic X-537A (lasalocid-A) (1056) 250
- Bechara, E.J.H., see Hermes-Lima, M. (1056) 57
- Bixon, M., Jortner, J. and Michel-Beyerle, M.E.
On the mechanism of the primary charge separation in bacterial photosynthesis (1056) 301
- Bocian, D.F., see Peloquin, J.M. (1056) 85
- Bonner, F.T., Hughes, M.N., Poole, R.K. and Scott, R.I.
Kinetics of the reactions of trioxodinitrate and nitrite ions with cytochrome *d* in *Escherichia coli* (1056) 133
- Boucher, F., see McIntosh, A.R. (1056) 149
- Brdiczka, D., see Bücheler, K. (1056) 233
- Brudvig, G.W., see Miller, A.-F. (1056) 1
- Bücheler, K., Adams, V. and Brdiczka, D.
Localization of the ATP/ADP translocator in the inner membrane and regulation of contact sites between mitochondrial envelope membranes by ADP. A study on freeze-fractured isolated liver mitochondria (1056) 233
- Bylina, E.J., see Peloquin, J.M. (1056) 85
- Chap, H., see Payraastre, B. (1056) 19
- Crimi, M., see Degli Esposti, M. (1056) 243
- Cunningham, C.C., see Spach, P.I. (1056) 40
- Curtiss, A., see Gross, E.L. (1056) 166
- Davis, C.M., see Ross, R.T. (1056) 317
- Degli Esposti, M., Crimi, M., Körtner, C., Kröger, A. and Link, T.
The structure of the dihaem cytochrome *b* of fumarate reductase in *Wolinella succinogenes*: circular dichroism and sequence analysis studies (1056) 243
- Denariáz, G., Payne, W.J. and LeGall, J.
The denitrifying nitrite reductase of *Bacillus halodenitrificans* (1056) 225
- Dibrov, P.A.
The role of sodium ion transport in *Escherichia coli* energetics (1056) 209
- Dijkema, C., see Houwen, F.P. (1056) 126
- Eynard, N., see Houssin, C. (1056) 76
- Ezzeddine, B.M., see Ross, R.T. (1056) 317
- Fayyad, E.A., see Ross, R.T. (1056) 317
- Fujita, T., see Guo, Z.-j. (1056) 89
- Gao, J.-L., Shopes, R.J. and Wraight, C.A.
Heterogeneity of kinetics and electron transfer equilibria in the bacteriopheophytin and quinone electron acceptors of reaction centers from *Rhodospseudomonas viridis* (1056) 259
- Ghazi, A., see Houssin, C. (1056) 76
- Gingras, G., see Mar, T. (1056) 190
- Golbeck, J.H., see Mehari, T. (1056) 139
- Gross, E.L. and Curtiss, A.
The interaction of nitrotyrosine-83 plastocyanin with cytochromes *f'* and *c*: pH dependence and the effect of an additional negative charge on plastocyanin (1056) 166
- Gruszecki, W.I., Veeranjanyulu, K., Zelent, B. and Leblanc, R.M.
Energy transfer process during senescence: fluorescence and photoacoustic studies of intact pea leaves (1056) 173
- Guo, Z.-j., Miyoshi, H., Komyoji, T., Haga, T. and Fujita, T.
Uncoupling activity of a newly developed fungicide, fluazinam [3-chloro-*N*-(3-chloro-2,6-dinitro-4-trifluoromethylphenyl)-5-trifluoromethyl-2-pyridinamine] (1056) 89
- Haga, T., see Guo, Z.-j. (1056) 89
- Halangk, W. and Kunz, W.S.
Use of NAD(P)H and flavoprotein fluorescence signals to characterize the redox state of pyridine nucleotides in epididymal bull spermatozoa (1056) 273
- Harada, M., Ohta, S., Sato, M., Ito, Y., Kobayashi, Y., Sone, N., Ohta, T. and Kagawa, Y.
The $\alpha_1\beta_1$ heterodimer, the unit of ATP synthase (1056) 279
- Henke, W. and Jung, K.
Ischemia decreases the content of the adenine nucleotide translocator in mitochondria of rat kidney (1056) 71
- Herbert, J.S., see Spach, P.I. (1056) 40
- Hermes-Lima, M., Valle, V.G.R., Vercesi, A.E. and Bechara, E.J.H.
Damage to rat liver mitochondria promoted by δ -aminolevulinic acid-generated reactive oxygen species: connections with acute intermittent porphyria and lead-poisoning (1056) 57
- Hirasawa, M., see Knaff, D.B. (1056) 93
- Houssin, C., Eynard, N., Shechter, E. and Ghazi, A.
Effect of osmotic pressure on membrane energy-linked functions in *Escherichia coli* (1056) 76
- Houwen, F.P., Dijkema, C., Stams, A.J.M. and Zehnder, A.J.B.
Propionate metabolism in anaerobic bacteria; determination of carboxylation reactions with ^{13}C -NMR spectroscopy (1056) 126
- Hsu, B.-D. and Lee, J.-Y.
A study on the fluorescence induction curve of the DCMU-poisoned chloroplast (1056) 285
- Hughes, M.N., see Bonner, F.T. (1056) 133
- Inoue, Y., see Miyao, M. (1056) 47
- Ito, Y., see Harada, M. (1056) 279
- Jortner, J., see Bixon, M. (1056) 301
- Jung, K., see Henke, W. (1056) 71
- Kagawa, Y., see Harada, M. (1056) 279
- Knaff, D.B. and Hirasawa, M.
Ferredoxin-dependent chloroplast enzymes (1056) 93
- Kobayashi, Y., see Harada, M. (1056) 279
- Komyoji, T., see Guo, Z.-j. (1056) 89
- Körtner, C., see Degli Esposti, M. (1056) 243
- Krawczyk, S.
Electrochromism of chlorophyll *a* monomer and special pair dimer (1056) 64
- Kröger, A., see Degli Esposti, M. (1056) 243
- Kunz, W.S., see Halangk, W. (1056) 273
- Leblanc, R.M., see Gruszecki, W.I. (1056) 173
- Lee, C.-H., see Ross, R.T. (1056) 317
- Lee, J.-Y., see Hsu, B.-D. (1056) 285
- LeGall, J., see Denariáz, G. (1056) 225
- Leurgans, S.E., see Ross, R.T. (1056) 317
- Link, T., see Degli Esposti, M. (1056) 243

- Mar, T. and Gingras, G.
Evidence for the photoreductive trapping of doubly reduced bacteriopheophytin in the photoreaction center of *Ectothiorhodospira* sp. (1056) 190
- McIntosh, A.R. and Boucher, F.
On the action spectrum of the photoelectric transients of bacteriorhodopsin in solid-state films (1056) 149
- Mehari, T., Parrett, K.G., Warren, P.V. and Golbeck, J.H.
Reconstitution of the iron-sulfur clusters in the isolated F_A/F_B protein: EPR spectral characterization of same-species and cross-species Photosystem I complexes (1056) 139
- Melis, A., see Neale, P.J. (1056) 195
- Michel-Beyerle, M.E., see Bixon, M. (1056) 301
- Miller, A.-F. and Brudvig, G.W.
A guide to electron paramagnetic resonance spectroscopy of Photosystem II membranes (1056) 1
- Miyao, M. and Inoue, Y.
An improved procedure for photoactivation of photosynthetic oxygen evolution: Effect of artificial electron acceptors on the photoactivation yield of NH_2OH -treated wheat Photosystem II membranes (1056) 47
- Miyoshi, H., see Guo, Z.-j. (1056) 89
- Neale, P.J. and Melis, A.
Dynamics of Photosystem II heterogeneity during photoinhibition: depletion of PS II_B from non-appressed thylakoids during strong-irradiance exposure of *Chlamydomonas reinhardtii* (1056) 195
- Ohta, S., see Harada, M. (1056) 279
- Ohta, T., see Harada, M. (1056) 279
- Ooms, J.J.J., Versluis, W., Van Vliet, P.H. and Vredenberg, W.J.
The flash-induced P515 shift in relation to ATPase activity in chloroplasts (1056) 293
- Parrett, K.G., see Mehari, T. (1056) 139
- Paudel, H.K., Yu, L. and Yu, C.-A.
Involvement of a histidine residue in the interaction between membrane-anchoring protein (QPs) and succinate dehydrogenase in mitochondrial succinate-ubiquinone reductase (1056) 159
- Payne, W.J., see Denariáz, G. (1056) 225
- Payrastra, B., Plantavid, M. and Chap, H.
Stimulation by epidermal growth factor of inositol phosphate production in plasma membranes from A431 cells (1056) 19
- Peloquin, J.M., Bylina, E.J., Youvan, D.C. and Bocian, D.F.
Effects of pigment-protein interactions on the conformation of the primary electron acceptor in *Rhodobacter capsulatus* reaction centers (1056) 85
- Pereira da Silva, L., see Antonio, R.V. (1056) 250
- Plantavid, M., see Payrastra, B. (1056) 19
- Poole, R.K., see Bonner, F.T. (1056) 133
- Ross, R.T., Lee, C.-H., Davis, C.M., Ezzeddine, B.M., Fayyad, E.A. and Leurgans, S.E.
Resolution of the fluorescence spectra of plant pigment-complexes using trilinear models (1056) 317
- Sato, M., see Harada, M. (1056) 279
- Sauer, K., see Woo Park, J. (1056) 181
- Scott, R.I., see Bonner, F.T. (1056) 133
- Shechter, E., see Houssin, C. (1056) 76
- Shopes, R.J., see Gao, J.-L. (1056) 259
- Sone, N., see Harada, M. (1056) 279
- Spach, P.I., Herbert, J.S. and Cunningham, C.C.
The interaction between chronic ethanol consumption and oxygen tension in influencing the energy state of rat liver (1056) 40
- Stams, A.J.M., see Houwen, F.P. (1056) 126
- Valle, V.G.R., see Hermes-Lima, M. (1056) 57
- Van Gorkom, H.J., see Vos, M.H. (1056) 27
- Van Leeuwen, P.J., see Vos, M.H. (1056) 27
- Van Vliet, P.H., see Ooms, J.J.J. (1056) 293
- Veeranjaneyulu, K., see Gruszecki, W.I. (1056) 173
- Vercesi, A.E., see Antonio, R.V. (1056) 250
- Vercesi, A.E., see Hermes-Lima, M. (1056) 57
- Versluis, W., see Ooms, J.J.J. (1056) 293
- Vos, M.H., Van Gorkom, H.J. and Van Leeuwen, P.J.
An electroluminescence study of stabilization reactions in the oxygen-evolving complex of Photosystem II (1056) 27
- Vredenberg, W.J., see Ooms, J.J.J. (1056) 293
- Warren, P.V., see Mehari, T. (1056) 139
- Woo Park, J. and Sauer, K.
Subunit selective bleaching of C-phycocyanin from *Synechococcus* PCC 6301 strain AN 112 by Cu^{2+} and sodium perchlorate (1056) 181
- Wraight, C.A., see Gao, J.-L. (1056) 259
- Youvan, D.C., see Peloquin, J.M. (1056) 85
- Yu, C.-A., see Paudel, H.K. (1056) 159
- Yu, L., see Paudel, H.K. (1056) 159
- Zehnder, A.J.B., see Houwen, F.P. (1056) 126
- Zelent, B., see Gruszecki, W.I. (1056) 173