



Bioenergetics

Author Index

- Amino, H., see Kita, K. (1553) 123
Anemüller, S., see Schäfer, G. (1553) 57
- Barrabin, H., see Freire, M.M. (1553) 238
Baumann, M., see David, P. (1553) 268
Beinert, H.
Spectroscopy of succinate dehydrogenases, a historical perspective (1553) 7
Bendahan, D., see Giannesini, B. (1553) 223
Biel, S., see Kröger, A. (1553) 23
Blomberg, M.R.A., see Johansson, M.P. (1553) 183
Böger, P., see Neuschaefer-Rube, O. (1553) 279
Bovina, C., see Ventura, B. (1553) 249
Breton, J., see Mezzetti, A. (1553) 320
- Cecchini, G., see Törnroth, S. (1553) 171
Cecchini, G., Schröder, I., Gunsalus, R.P. and Maklashina, E.
Succinate dehydrogenase and fumarate reductase from *Escherichia coli* (1553) 140
Cozzzone, P.J., see Giannesini, B. (1553) 223
- David, P., Baumann, M., Wikström, M. and Finel, M.
Interaction of purified NDH-1 from *Escherichia coli* with ubiquinone analogues (1553) 268
de Carvalho-Alves, P.C., see Freire, M.M. (1553) 238
de Wijn, R. and van Gorkom, H.J.
The rate of charge recombination in Photosystem II (1553) 302
Degli Esposti, M.
Sequence and functional similarities between pro-apoptotic Bid and plant lipid transfer proteins (1553) 331
DellaPenna, D., see Lokstein, H. (1553) 309
Dobson, G.P. and Himmelreich, U.
Heart design: free ADP scales with absolute mitochondrial and myofibrillar volumes from mouse to human (1553) 261
- Ernst, A., see Neuschaefer-Rube, O. (1553) 279
- Fernandes, A.S., see Lemos, R.S. (1553) 158
Fillingame, R.H., see Valiyaveetil, F. (1553) 296
Finel, M., see David, P. (1553) 268
Formigini, G., see Ventura, B. (1553) 249
Freire, M.M., Mignaco, J.A., de Carvalho-Alves, P.C., Barrabin, H. and Scofano, H.M.
3-*O*-Methylfluorescein phosphate as a fluorescent substrate for plasma membrane Ca^{2+} -ATPase (1553) 238
- Genova, M.L., see Ventura, B. (1553) 249
Giacometti, G., see Mezzetti, A. (1553) 320
Giannesini, B., Izquierdo, M., Cozzzone, P.J. and Bendahan, D.
Metabolic underpinnings of the paradoxical net phosphocreatine re-synthesis in contracting rat gastrocnemius muscle (1553) 223
Gomes, C.M., see Lemos, R.S. (1553) 158
- Gross, R., see Kröger, A. (1553) 23
Gunsalus, R.P., see Cecchini, G. (1553) 140
- Hederstedt, L.
Succinate:quinone oxidoreductase in the bacteria *Paracoccus denitrificans* and *Bacillus subtilis* (1553) 74
Hermolin, J., see Valiyaveetil, F. (1553) 296
Himmelreich, U., see Dobson, G.P. (1553) 261
Hirawake, H., see Kita, K. (1553) 123
- Iwata, S., see Törnroth, S. (1553) 171
Izquierdo, M., see Giannesini, B. (1553) 223
- Janausch, I.G., Zientz, E., Tran, Q.H., Kröger, A. and Unden, G.
 C_4 -dicarboxylate carriers and sensors in bacteria (1553) 39
Johansson, M.P., Blomberg, M.R.A., Sundholm, D. and Wikström, M.
Change in electron and spin density upon electron transfer to haem (1553) 183
Junge, W., see Klishin, S.S. (1553) 177
- Kalapos, M.P.
A theoretical approach to the link between oxidoreductions and pyrite formation in the early stage of evolution (1553) 218
Kita, K., Hirawake, H., Miyadera, H., Amino, H. and Takeo, S.
Role of complex II in anaerobic respiration of the parasite mitochondria from *Ascaris suum* and *Plasmodium falciparum* (1553) 123
Klshin, S.S., Junge, W. and Mulikidjanian, A.Y.
Flash-induced turnover of the cytochrome bc_1 complex in chromatophores of *Rhodobacter capsulatus*: binding of Zn^{2+} decelerates likewise the oxidation of cytochrome b , the reduction of cytochrome c_1 and the voltage generation (1553) 177
Kröger, A., see Janausch, I.G. (1553) 39
Kröger, A., Biel, S., Simon, J., Gross, R., Unden, G. and Lancaster, C.R.D.
Fumarate respiration of *Wolinella succinogenes*: enzymology, energetics and coupling mechanism (1553) 23
- Lancaster, C.R.D., see Kröger, A. (1553) 23
Lancaster, C.R.D.
Succinate:quinone oxidoreductases: an overview (1553) 1
Lancaster, C.R.D. and Simon, J.
Succinate:quinone oxidoreductases from ϵ -proteobacteria (1553) 84
Leibl, W., see Mezzetti, A. (1553) 320
Lemire, B.D. and Oyedotun, K.S.
The *Saccharomyces cerevisiae* mitochondrial succinate:ubiquinone oxidoreductase (1553) 102
Lemos, R.S., Fernandes, A.S., Pereira, M.M., Gomes, C.M. and Teixeira, M.
Quinol:fumarate oxidoreductases and succinate:quinone oxidoreductases: phylogenetic relationships, metal centres and membrane attachment (1553) 158
Lenaz, G., see Ventura, B. (1553) 249

- Lokstein, H., Tian, L., Polle, J.E.W. and DellaPenna, D.
Xanthophyll biosynthetic mutants of *Arabidopsis thaliana*: altered nonphotochemical quenching of chlorophyll fluorescence is due to changes in Photosystem II antenna size and stability (1553) 309
- Maklashina, E., see Cecchini, G. (1553) 140
- Markova, O.V., see Popov, V.N. (1553) 232
- Mezzetti, A., Nabdryk, E., Breton, J., Okamura, M.Y., Paddock, M.L., Giacometti, G. and Leibl, W.
Rapid-scan Fourier transform infrared spectroscopy shows coupling of GLu-L212 protonation and electron transfer to Q_B in *Rhodobacter sphaeroides* reaction centers (1553) 320
- Mignaco, J.A., see Freire, M.M. (1553) 238
- Miyadera, H., see Kita, K. (1553) 123
- Mokhova, E.N., see Popov, V.N. (1553) 232
- Moll, R., see Schäfer, G. (1553) 57
- Mulkidjanian, A.Y., see Klishin, S.S. (1553) 177
- Nabdryk, E., see Mezzetti, A. (1553) 320
- Nadanaciva, S., see Senior, A.E. (1553) 188
- Neuschaefter-Rube, O., Böger, P. and Ernst, A.
Interference of an *apcA* insertion with complementary chromatic adaptation in the diazotrophic *Synechocystis* sp. strain BO 8402 (1553) 279
- O'Malley, P.J.
Density functional calculations modelling tyrosine oxidation in oxygenic photosynthetic electron transfer (1553) 212
- Okamura, M.Y., see Mezzetti, A. (1553) 320
- Oyedotun, K.S., see Lemire, B.D. (1553) 102
- Paddock, M.L., see Mezzetti, A. (1553) 320
- Pereira, M.M., see Lemos, R.S. (1553) 158
- Polle, J.E.W., see Lokstein, H. (1553) 309
- Popov, V.N., Markova, O.V., Mokhova, E.N. and Skulachev, V.P.
Effects of cold exposure in vivo and uncouplers and recouplers in vitro on potato tuber mitochondria (1553) 232
- Rötig, A., see Rustin, P. (1553) 117
- Rustin, P. and Rötig, A.
Inborn errors of complex II – Unusual human mitochondrial diseases (1553) 117
- Schäfer, G., Anemüller, S. and Moll, R.
Archaeal complex II: 'classical' and 'non-classical' succinate:quinone reductases with unusual features (1553) 57
- Schröder, I., see Cecchini, G. (1553) 140
- Scofano, H.M., see Freire, M.M. (1553) 238
- Senior, A.E., Nadanaciva, S. and Weber, J.
The molecular mechanism of ATP synthesis by F₁F₀-ATP synthase (1553) 188
- Simon, J., see Kröger, A. (1553) 23
- Simon, J., see Lancaster, C.R.D. (1553) 84
- Skulachev, V.P., see Popov, V.N. (1553) 232
- Sundholm, D., see Johansson, M.P. (1553) 183
- Takeo, S., see Kita, K. (1553) 123
- Teixeira, M., see Lemos, R.S. (1553) 158
- Tian, L., see Lokstein, H. (1553) 309
- Törnroth, S., Yankovskaya, V., Cecchini, G. and Iwata, S.
Purification, crystallisation and preliminary crystallographic studies of succinate:ubiquinone oxidoreductase from *Escherichia coli* (1553) 171
- Tran, Q.H., see Janausch, I.G. (1553) 39
- Uندن, G., see Janausch, I.G. (1553) 39
- Uندن, G., see Kröger, A. (1553) 23
- Valiyaveetil, F., Hermolin, J. and Fillingame, R.H.
pH dependent inactivation of solubilized F₁F₀ ATP synthase by dicyclohexylcarbodiimide: pK_a of detergent unmasked aspartyl-61 in *Escherichia coli* subunit *c* (1553) 296
- van Gorkom, H.J., see de Wijn, R. (1553) 302
- Ventura, B., Genova, M.L., Bovina, C., Formiggini, G. and Lenaz, G.
Control of oxidative phosphorylation by Complex I in rat liver mitochondria: implications for aging (1553) 249
- Weber, J., see Senior, A.E. (1553) 188
- Wikström, M., see Johansson, M.P. (1553) 183
- Wikström, M., see David, P. (1553) 268
- Yankovskaya, V., see Törnroth, S. (1553) 171
- Zientz, E., see Janausch, I.G. (1553) 39