

Contents

Volume 200 (1) 1997

Review

Dröse, S. and Altendorf, K.

Bafilomycins and concanamycins as inhibitors of V-ATPases and P-ATPases

1–8

Wada, Y., Mogami, Y. and Baba, S. A.

Modification of ciliary beating in sea urchin larvae induced by neurotransmitters: beat-plane rotation and control of frequency fluctuation

9–18

Lieber, R. L., Ljung, B.-O. and Fridén, J.

Intraoperative sarcomere length measurements reveal differential design of human wrist extensor muscles

19–25

Imai, J.-I., Hirayama, Y., Kikuchi, K., Katinuma, M. and Watabe, S.

cDNA cloning of myosin heavy chain isoforms from carp fast skeletal muscle and their gene expression associated with temperature acclimation

27–34

Katoh, K. and Kikuyama, M.

An all-or-nothing rise in cytosolic $[Ca^{2+}]$ in *Vorticella* sp.

35–40

Kier, W. M. and van Leeuwen, J. L.

A kinematic analysis of tentacle extension in the squid *Loligo pealei*

41–53

van der Heijden, A. J. H., Verbost, P. M., Eygensteyn, J., Li, J., Wendelaar Bonga, S. E. and Flik, G.

Mitochondria-rich cells in gills of tilapia (*Oreochromis mossambicus*) adapted to fresh water or sea water: quantification by confocal laser scanning microscopy

55–64

Long, J. H., Jr, Pabst, D. A., Shepherd, W. R. and McLellan, W. A.

Locomotor design of dolphin vertebral columns: bending mechanics and morphology of *Delphinus delphis*

65–81

Völkel, S. and Grieshaber, M. K.

Sulphide oxidation and oxidative phosphorylation in the mitochondria of the lugworm *Arenicola marina*

83–92

Matheson, T.

Hindleg targeting during scratching in the locust

93–100

Herrel, A., Cleuren, J. and De Vree, F.

Quantitative analysis of jaw and hyolingual muscle activity during feeding in the lizard *Agama stellio*

101–115

Adamo, S. A., Linn, C. E. and Beckage, N. E.

Correlation between changes in host behaviour and octopamine levels in the tobacco hornworm *Manduca sexta* parasitized by the gregarious braconid parasitoid wasp *Cotesia congregata*

117–127

Fullard, J. H. and Dawson, J. W.

The echolocation calls of the spotted bat *Euderma maculatum* are relatively inaudible to moths

129–137

Haley, C. A. and O'Donnell, M. J.

K^+ reabsorption by the lower Malpighian tubule of *Rhodnius prolixus*: inhibition by Ba^{2+} and blockers of H^+/K^+ -ATPases

139–147

Ancel, A., Horning, M. and Kooyman, G. L.

Prey ingestion revealed by oesophagus and stomach temperature recordings in cormorants

149–154

Bowden, L. A., Fiore, S., Restall, C. J., Serhan, C. N. and Rowley, A. F.

Characterisation of the binding of leukotriene B₄ to macrophages of the rainbow trout *Oncorhynchus mykiss*

155–160

Dowdall, M. J., Green, A. C. and Richardson, C. M.

Dynamic imaging of functional nerve terminals and Schwann cells in presynaptic 'nerve plates' isolated from the skate electric organ

161–171

Gilmour, K. M., Henry, R. P., Wood, C. M. and Perry, S. F.

Extracellular carbonic anhydrase and an acid-base disequilibrium in the blood of the dogfish *Squalus acanthias*

173–183

Bennett, V. A. and Lee, R. E., Jr

Modeling seasonal changes in intracellular freeze-tolerance of fat body cells of the gall fly *Eurosta solidaginis* (Diptera, Tephritidae)

185–192