

Contents

Volume 199 (6) 1996

- Liu, H., Wassersug, R. J. and Kawachi, K.**
A computational fluid dynamics study of tadpole swimming 1245–1260
- Salleo, A., Musci, G., Barra, P. F. A. and Calabrese, L.**
The discharge mechanism of acontial nematocytes involves the release of nitric oxide 1261–1267
- Rhodes, J. D., Croghan, P. C. and Dixon, A. F. G.**
Uptake, excretion and respiration of sucrose and amino acids by the pea aphid *Acyrtosiphon pisum* 1269–1276
- Ettema, G. J. C.**
Elastic and length–force characteristics of the gastrocnemius of the hopping mouse (*Notomys alexis*) and the rat (*Rattus norvegicus*) 1277–1285
- Zachariassen, K. E., Olsen, A. J. and Aunaas, T.**
The effect of formaldehyde exposure on the transmembrane distribution of free amino acids in muscles of *Mytilus edulis* 1287–1294
- Nelson, J. A., Tang, Y. and Boutilier, R. G.**
The effects of salinity change on the exercise performance of two Atlantic cod (*Gadus morhua*) populations inhabiting different environments 1295–1309
- Guderley, H. and Johnston, I. A.**
Plasticity of fish muscle mitochondria with thermal acclimation 1311–1317
- Bury, N. R., Flik, G., Eddy, F. B. and Codd, G. A.**
The effects of cyanobacteria and the cyanobacterial toxin microcystin-LR on Ca^{2+} transport and Na^+/K^+ -ATPase in tilapia gills 1319–1326
- Küppers, J. and Bunse, I.**
A primary cation transport by a V-type ATPase of low specificity 1327–1334
- Wuttke, W. A., Munsch, T. and Deitmer, J. W.**
Inhibition of voltage-dependent Ca^{2+} influx by extracellular ATP in salivary cells of the leech *Haementeria ghilianii* 1335–1341
- Kraus, D. W., Doeller, J. E. and Powell, C. S.**
Sulfide may directly modify cytoplasmic hemoglobin deoxygenation in *Solemya reidi* gills 1343–1352
- Frier, H. J., Edwards, E., Smith, C., Neale, S. and Collett, T. S.**
Magnetic compass cues and visual pattern learning in honeybees 1353–1361
- Ball, D. and Johnston, I. A.**
Molecular mechanisms underlying the plasticity of muscle contractile properties with temperature acclimation in the marine fish *Myoxocephalus scorpius* 1363–1373
- Tautz, J.**
Honeybee waggle dance: recruitment success depends on the dance floor 1375–1381
- Robertson, R. M., Kuhnert, C. T. and Dawson, J. W.**
Thermal avoidance during flight in the locust *Locusta migratoria* 1383–1393
- Gee, C. E. and Robertson R. M.**
Recovery of the flight system following ablation of the tegulae in immature adult locusts 1395–1403
- Wilson, R. J. A., Kristan, W. B., Jr and Kleinhaus, A. L.**
An increase in activity of serotonergic Retzius neurones may not be necessary for the consummatory phase of feeding in the leech *Hirudo medicinalis* 1405–1414
- Wilson, R. J. A., Skierczynski, B. A., Blackwood, S., Skalak, R. and Kristan, W. B., Jr**
Mapping motor neurone activity to overt behaviour in the leech: internal pressures produced during locomotion 1415–1428
- Johnsson, M. and Axelsson, M.**
Control of the systemic heart and the portal heart of *Myxine glutinosa* 1429–1434
- Hicks, J. W., Ishimatsu, A., Molloy, S., Erskin, A. and Heisler, N.**
The mechanism of cardiac shunting in reptiles: a new synthesis 1435–1446