

Contents

Volume 205 (12) 2002

In this issue i–ii

Kargo, W. J., Nelson, F. and Rome, L. C. Jumping in frogs: assessing the design of the skeletal system by anatomically realistic modeling and forward dynamic simulation.
1683–1702

Gal, J. Mammalian spinal biomechanics: postural support in seated macaques. 1703–1707

Nauen, J. C. and Lauder, G. V. Hydrodynamics of caudal fin locomotion by chub mackerel, *Scomber japonicus* (Scombridae). 1709–1723

McKean, T., Li, G. and Wei, K. Cardiac effects of hypoxia in neotenous tiger salamander *Ambystoma tigrinum*.
1725–1734

Roxburgh, L. and Pinshow, B. Ammonotely in a passerine nectarivore: the influence of renal and post-renal modification on nitrogenous waste product excretion. 1735–1745

Acevedo-Gutiérrez, A., Croll, D. A. and Tershy, B. R. High feeding costs limit dive time in the largest whales. 1747–1753

Carrier, D. R., Deban, S. M. and Otterstrom, J. The face that sank the *Essex*: potential function of the spermaceti organ in aggression. 1755–1763

Milsom, W. K., Reid, S. G., Rantin, F. T. and Sundin, L. Extrabranchial chemoreceptors involved in respiratory reflexes in the neotropical fish *Colossoma macropomum* (the tambaqui). 1765–1774

Holt, S. M. and Kinsey, S. T. Osmotic effects on arginine kinase function in living muscle of the blue crab *Callinectes sapidus*. 1775–1785

Rombough, P. Gills are needed for ionoregulation before they are needed for O₂ uptake in developing zebrafish, *Danio rerio*.
1787–1794

Prior, H., Lingenauber, F., Nitschke, J. and Güntürkün, O. Orientation and lateralized cue use in pigeons navigating a large indoor environment. 1795–1805

Lucas, J. M., Vaccaro, E. and Waite, J. H. A molecular, morphometric and mechanical comparison of the structural elements of byssus from *Mytilus edulis* and *Mytilus galloprovincialis*. 1807–1817

Rosenthal, J. J. C. and Bezanilla, F. A comparison of propagated action potentials from tropical and temperate squid axons: different durations and conduction velocities correlate with ionic conductance levels. 1819–1830