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James, R. S., Cole, N. J., Davies, M. L. F. and Johnston, I. A. (1998). Scaling of intrinsic contractile properties and myofibrillar protein composition of fast muscle in the fish *Myoxocephalus scorpius* L. *J. exp. Biol.* **201**, 901–912

James, R. S. and Johnston, I. A. (1998). Scaling of muscle performance during escape responses in the fish *Myoxocephalus scorpius* L. *J. exp. Biol.* **201**, 913–923

Watanabe, S., Kawahara, S. and Kirino, Y. (1998). Morphological characterization of the bursting and nonbursting neurones in the olfactory centre of the terrestrial slug *Limax marginatus*. *J. exp. Biol.* **201**, 925–930

Pearson, J. T., Tsudzuki, M., Nakane, Y., Akiyama, R. and Tazawa, H. (1998). Development of heart rate in the precocial king quail *Coturnix chinensis*. *J. exp. Biol.* **201**, 931–941

Farmer, C. G. and Jackson, D. C. (1998). Air-breathing during activity in the fishes *Amia calva* and *Lepisosteus oculatus*. *J. exp. Biol.* **201**, 943–948

Gillis, G. B. (1998). Environmental effects on undulatory locomotion in the American eel *Anguilla rostrata*: kinematics in water and on land. *J. exp. Biol.* **201**, 949–961

Chai, P., Chang, A. C. and Dudley, R. (1998). Flight thermogenesis and energy conservation in hovering hummingbirds. *J. exp. Biol.* **201**, 963–968

von der Emde, G. and Bleckmann, H. (1998). Finding food: senses involved in foraging for insect larvae in the electric fish *Gnathonemus petersii*. *J. exp. Biol.* **201**, 969–980

Walker, J. A. (1998). Estimating velocities and accelerations of animal locomotion: a simulation experiment comparing numerical differentiation algorithms. *J. exp. Biol.* **201**, 981–995

Full, R. J., Stokes, D. R., Ahn, A. N. and Josephson, R. K. (1998). Energy absorption during running by leg muscles in a cockroach. *J. exp. Biol.* **201**, 997–1012

Territo, P. R. and Smits, A. W. (1998). Whole-body composition of *Xenopus laevis* larvae: implications for lean body mass during development. *J. exp. Biol.* **201**, 1013–1022

Römer, H. and Bailey, W. (1998). Strategies for hearing in noise: peripheral control over auditory sensitivity in the bushcricket *Sciarasaga quadrata* (Austrosaginae: Tettigoniidae). *J. exp. Biol.* **201**, 1023–1033

von Bernhardi, R. (1998). Contact between identified leech neurones in culture prevents retraction of neurites following electrical activity. *J. exp. Biol.* **201**, 1035–1041