**Review articles**

Temperature change as a probe of muscle crossbridge kinetics: a review and discussion

R. C. Woledge, C. J. Eacott & N. A. Curtin

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**Research articles**

The spider *Harpactea sadistica*: co-evolution of traumatic insemination and complex female genital morphology in spiders

M. Rezáč

Bayesian phylogenetic analysis of Semitic languages identifies an Early Bronze Age origin of Semitic in the Near East

A. Kitchen, C. Ethret, S. Aissat & C. J. Mulligan

Incipient allochronic speciation by climatic disruption of the reproductive period

S. Yamamoto & T. Sota

Experimental evidence for group hunting via eavesdropping in echolocating bats

D. R. Nechman, S. L. Hauksdottir, J. Grigg, K. Safi, C. C. Vogt & M. Wikelski

Are rates of species diversification correlated with rates of morphological evolution?

D. C. Adams, C. M. Berns, K. H. Krzak & J. J. Wiens

Flexible responses to visual and olfactory stimuli by foraging *Manduca sexta*: larval nutrition affects adult behaviour

J. Gayret, A. Kelber, M. Pfaff & R. A. Raguso

The cellular geometry of growth drives the amino acid economy of *Commonallabidinae* elegans

J. Steyer, S. Fuchs, J. C. Randy & A. M. Leno

Experimental study of the behavioural mechanisms underlying self-organization in human crowds

M. Mousadi, D. Hebold, S. Carrier, A. Johansson, M. Combe & C. Theraulaz

Tongueally immobilized selfish prey can survive by sacrificing others

T. Miyatake, S. Nakayama, Y. Niño & S. Nakajima

Great tits growing old: selective disappearance and the partitioning of senescence to stages within the breeding cycle

S. Nosefous, B. C. Sheldon, S. Verhulst & A. Charmantier

Optimal level of inbreeding in the common lizard

M. Richard, S. Lestat, J. Lecomte, M. de Fraipont & J. Lecomte

Prenatal environmental effects match offspring begging to parental provisioning

C. A. Hinde, D. C. Bourne & B. L. Willis

Wolbachia as populations within individual insects: causes and consequences of density variation in natural populations

R. L. Unckless, L. M. Brosse, J. K. Herren & J. Jancsa

Fatal attraction: adaptations to prey on native frogs imperil snakes after invasion of toxic toads

M. Hagman, B. L. Phillips & R. Store

Sea lice and salmon population dynamics: effects of exposure time for migratory fish

M. Krikule, A. Morton, T. J. W. Willo & M. A. Lewis

‘Heritability’ of dispersal propensity in a patchy population

B. Doligez, L. Gustafsson & T. Pärt

Old fossils–young species: evolutionary history of an endemic gastropod assemblage in Lake Malawi

R. Schultheiß, B. Van Bocxlaer, T. Wilke & C. Albrecht

A chemical signal of offspring quality affects maternal care in a social insect

F. Mas, K. F. Haynes & M. Kölliker

Food-supplementing parents reduces their sons’ song repertoire size

L. Zarrette, M. Clinchy & H.-C. Sung