



Cover: A grey-headed albatross (*Thalassarche chrysostoma*) preens its young chick while waiting for its mate to return from foraging at sea. Kroeger et al. (jeb228585) found that in the early chick-rearing stage, grey-headed albatrosses and sympatrically breeding Campbell albatrosses (*T. impavida*) expended more daily energy at sea when they had younger chicks. Although daily energy expenditure was similar for both species, lower lipid reserves in grey-headed albatrosses indicate that they may dedicate less energy to self-maintenance during this breeding stage. This energy deficit may contribute to their biennial breeding patterns compared with the Campbell albatrosses that breed annually. Photo credit: Caitlin Kroeger.

INSIDE JEB

Female immune-boosted chicks get longer telomere clocks
Knight, K.
jeb240408

Dung beetles play hot and cold cycling differently
Knight, K.
jeb240531

How wind pattern change could impact albatrosses
Knight, K.
jeb239764

Migratory Okavango zebra navigate to water holes
Knight, K.
jeb240051

OUTSIDE JEB

Flapping wings help insects stay stable
Putney, J.
jeb214650

Combining farming practices drastically shrinks blue orchard bee populations
Mantica, G.
jeb214635

Slow and steady climbs the waterfall
Borowiec, B. G.
jeb214643

Whoosh! Springy-bounce spider webs
Stenum, J.
jeb214627

Birds ruffled by big-city lights
Nadler, L.
jeb214668

COMMENTARY

Structural plasticity of the avian pectoralis: a case for geometry and the forgotten organelle
Jimenez, A. G.
jeb234120

REVIEW

Rheotaxis revisited: a multi-behavioral and multisensory perspective on how fish orient to flow
Coombs, S., Bak-Coleman, J. and Montgomery, J.
jeb223008

SHORT COMMUNICATIONS

Functional flexibility in a spider's orb web
Mulder, T., Mortimer, B. and Vollrath, F.
jeb234070

Stretch–excitation correlation in the toad heart
Vityazev, V. A. and Azarov, J. E.
jeb228882

The relationship between longevity and diet is genotype dependent and sensitive to desiccation in *Drosophila melanogaster*
McCracken, A. W., Buckle, E. and Simons, M. J. P.
jeb230185

RESEARCH ARTICLES

High-lipid prey reduce juvenile survivorship and delay egg laying in a small linyphiid spider *Hylyphantes graminicola*
Wen, L., Jiao, X., Liu, F., Zhang, S. and Li, D.
jeb237255

Rapid-warming tolerance correlates with tolerance to slow warming but not growth at non-optimal temperatures in zebrafish
Åsheim, E. R., Andreassen, A. H., Morgan, R. and Jutfelt, F.
jeb229195

Hormone-mediated dispersal and sexual maturation in males of the social paper wasp *Polistes lanio*
Southon, R. J., Radford, A. N. and Sumner, S.
jeb226472

Different amplitudes of temperature fluctuation induce distinct transcriptomic and metabolomic responses in the dung beetle *Phanaeus vindex*
Sheldon, K. S., Padash, M., Carter, A. W. and Marshall, K. E.
jeb233239

Artificial selection for schooling behaviour and its effects on associative learning abilities
Vega-Trejo, R., Boussard, A., Wallander, L., Estival, E., Buechel, S. D., Kotrschal, A. and Kolm, N.
jeb235093

Parental LC-PUFA biosynthesis capacity and nutritional intervention with alpha-linolenic acid affect performance of *Sparus aurata* progeny
Turkmen, S., Zamorano, M. J., Xu, H., Fernández-Palacios, H., Robaina, L., Kaushik, S. and Izquierdo, M.
jeb214999

Two lines of evidence for physiological control of insensible evaporative water loss by a tiny marsupial
Cooper, C. E. and Withers, P. C.
jeb234450

A low-cost method for carrying loads during human walking
Arellano, C. J., McReynolds, O. B. and Thomas, S. A.
jeb216119

Orientation to polarized light in tethered flying honeybees
Kobayashi, N., Okada, R. and Sakura, M.
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Photoreceptors and diurnal variation in spectral sensitivity in the fiddler crab *Gelasimus dampieri*
Jessop, A.-L., Ogawa, Y., Bagheri, Z. M., Partridge, J. C. and Hemmi, J. M.
jeb230979

Similar foraging energetics of two sympatric albatrosses despite contrasting life histories and wind-mediated foraging strategies
Kroeger, C. E., Crocker, D. E., Orben, R. A., Thompson, D. R., Torres, L. G., Sagar, P. M., Sztukowski, L. A., Andriese, T., Costa, D. P. and Shaffer, S. A.
jeb228585

There and back again – a zebra's tale
Bartlam-Brooks, H., Wilshin, S., Hubel, T., Hailes, S., Bennitt, E. and Wilson, A. M.
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Telomere dynamics from hatching to sexual maturity and maternal effects in the 'multivariate egg'
Criscuolo, F., Torres, R., Zahn, S. and Williams, T. D.
jeb232496