



Cover: Intertidal purple sea urchins (*Strongylocentrotus purpuratus*) use adhesive tube feet to stick to rocky substrates. These appendages can be amputated by predation or wave forces in these hydrodynamically turbulent environments. However, they are resilient and regenerate in a matter of days. Narvaez et al. (jeb242848) show there is a high degree of functional and morphological plasticity in these regenerating structures. The distal portion, or discs, grows back larger when subjected to turbulent flow and periodic desiccation, as often occurs in intertidal environments. Although stalk length was not affected by these conditions, the tensile breaking force of the stalks increased. Photo credit: Michael P. Russell.

INSIDE JEB

Versatile monarch butterflies can switch navigation strategy
Knight, K.
jeb244034

Remarkable archerfish recognise that unfamiliar insects are animals
Knight, K.
jeb244060

OUTSIDE JEB

Long spider bodies under the sun
Borowiec, B. G.
jeb243441

Jamaican bats can smell food and drive themselves bananas
Jaramillo, J. M.
jeb243479

Lizard profiteers of climate change: ain't no mountain hot enough
Breit, A. M.
jeb243440

Late bloomers: southern salmons' life support
Dichiera, A.
jeb243442

Bats avoid overheating through intermittent flying
Muisse, K. A.
jeb243439

REVIEW

Physiological effects of food availability times in higher vertebrates
Kumar, V., Sharma, A. and Tripathi, V.
jeb239004

SHORT COMMUNICATION

GABA receptors in the olfactory epithelium of the gilthead seabream (*Sparus aurata*)
Costa, R. A., Velez, Z. and Hubbard, P. C.
jeb243112

METHODS & TECHNIQUES

Design of a robotic zebra finch for experimental studies on developmental song learning
Araguas, A., Guellai, B., Gauthier, P., Richer, F., Montone, G., Chopin, A. and Derégnaucourt, S.
jeb242949

RESEARCH ARTICLES

Suction feeding biomechanics of *Polypterus bichir*: investigating linkage mechanisms and the contributions of cranial kinesis to oral cavity volume change
Whitlow, K. R., Ross, C. F., Gidmark, N. J., Laurence-Chasen, J. D. and Westneat, M. W.
jeb243283

Stimulus-dependent orientation strategies in monarch butterflies
Franzke, M., Kraus, C., Gayler, M., Dreyer, D., Pfeiffer, K. and el Jundi, B.
jeb243687

Ultraviolet vision in larval *Neogonodactylus oerstedii*
McDonald, M. S., Palecanda, S., Cohen, J. H. and Porter, M. L.
jeb243256

Responding to the signal and the noise: behavior of planktonic gastropod larvae in turbulence
DiBenedetto, M. H., Helfrich, K. R., Pires, A., Anderson, E. J. and Mullineaux, L. S.
jeb243209

Echolocating Daubenton's bats are resilient to broadband, ultrasonic masking noise during active target approaches
Foskolos, I., Bjerre Pedersen, M., Beedholm, K., Uebel, A. S., Macaulay, J., Stidsholt, L., Brinkløv, S. and Madsen, P. T.
jeb242957

The interplay of directional information provided by unpolarised and polarised light in the heading direction network of the diurnal dung beetle *Kheper lamarcki*
Khaldy, L., Foster, J. J., Yilmaz, A., Belušić, G., Gagnon, Y., Tocco, C., Byrne, M. J. and Dacke, M.
jeb243734

Eri silkworm spins mechanically robust silk fibers regardless of reeling speed
Yazawa, K., Tatebayashi, Y. and Kajiura, Z.
jeb243458

Recognition of natural objects in the archerfish
Volotsky, S., Ben-Shahar, O., Donchin, O. and Segev, R.
jeb243237

The resting frequency of echolocation signals changes with body temperature in the hipposiderid bat *Hipposideros armiger*
Schoeppler, D., Denzinger, A. and Schnitzler, H.-U.
jeb243569

A change in taste: the role of microRNAs in altering hedonic value
Kagan, D., Batabyal, A., Rivi, V. and Lukowiak, K.
jeb243840

Plasticity in fluctuating hydrodynamic conditions: tube foot regeneration in sea urchins
Narvaez, C. A., Moura, A. J., Scutella, D. F., Cucchiara, J. P., Stark, A. Y. and Russell, M. P.
jeb242848

Irreversible impact of early thermal conditions: an integrative study of developmental plasticity linked to mobility in a butterfly species

Degut, A., Fischer, K., Quque, M., Criscuolo, F., Michalik, P. and Beaulieu, M.

jeb243724

CORRECTION

Correction: Adhesive latching and legless leaping in small, worm-like insect larvae

Farley, G. M., Wise, M. J., Harrison, J. S., Sutton, G. P., Kuo, C. and Patek, S. N.

jeb243841