Review. Problems with mitochondrial DNA as a marker in population, phylogeographic and phylogenetic studies: the effects of inherited symbionts
G. D. D. Hunt & F. M. Jiggins

Nocturnal life of young songbirds well before migration
A. Mukhin, V. Kosarev & P. Ktitorov

Female *Bicyclus anynana* butterflies choose males on the basis of their dorsal UV-reflective eyespot pupils
K. A. Robertson & A. Monteiro

Behaviour of leatherback sea turtles, *Dermochelys coriacea*, during the migratory cycle
M. C. James, R. A. Myers & C. A. Ottensmeyer

The role of optimal vortex formation in biological fluid transport
J. O. Dabiri & M. Gharib

Human locomotion on snow: determinants of economy and speed of skiing across the ages
F. Formenti, L. P. Ardigò & A. E. Minetti

Interaction strength and extinction risk in a metacommunity
F. Guichard

Synergistic effects of combining morphological and molecular data in resolving the phylogeny of butterflies and skippers

Spider webs designed for rare but life-saving catches
S. Venner & J. Casas

Relatedness and helping in fish: examining the theoretical predictions
K. A. Stiver, P. Dierkes, M. Taborsky, H. L. Gibbons & S. Balshine

Stable isotopes, beaks and predators: a new tool to study the trophic ecology of cephalopods, including giant and colossal squids
Y. Cherel & E. A. Hobson

Evolutionary dynamics of altruism and cheating among social amoebas
Å. Brännström & U. Dieckmann

Pathogen adaptation under imperfect vaccination: implications for pertussis
M. van Boven, F. R. Mooi, J. F. P. Schellekens, H. E. de Melker & M. Kretzschmar

Crossing species’ range borders: interspecies gene exchange mediated by hybridogenesis
D. S. Schmeller, A. Seitz, A. Crivelli & M. Veith