Review. Biology of extinction risk in marine fishes 2337
J. D. Reynolds, N. K. Dulvy, N. B. Goodwin & J. A. Hutchings

Cattle domestication in the Near East was followed by hybridization with aurochs bulls in Europe 2345
A. Gothenström, C. Anderung, L. Hellborg, R. Elburg, C. Smith, D. G. Bradley & H. Ellegren

A ratio model of perceived speed in the human visual system 2351
S. T. Hamnett, R. A. Champion, A. B. Morland & P. G. Thompson

Importance of climatological downscaling and plant phenology for red deer in heterogeneous landscapes 2357
N. Pettorelli, A. Mysterud, N. G. Yoccoz, R. Langvatn & N. Chr. Stenseth

Metamorphosis in a Silurian barnacle 2365
D. E. G. Briggs, M. D. Sutton, D. J. Siveter & D. J. Siveter

Molecular evolution of the sheep prion protein gene 2371
J. Slate

An invasive lineage of sculpins, Cottus sp. (Pisces, Teleostei) in the Rhine with new habitat adaptations has originated from hybridization between old phylogeographic groups 2379
A. W. Nolte, J. Freyhof, K. C. Stemshorn & D. Tautz

Recurrent evolution of host-specialized races in a globally distributed parasite 2389
K. D. McCoy, E. Chapuis, C. Tirard, T. Boulignier, Y. Michalakis, C. Le Bihan, Y. Le Maho & M. Gauthier-Clerc

Rodent malaria parasites Plasmodium chabaudi and P. vinckei do not increase their rates of gametocytogenesis in response to mosquito probing 2397
D. Shutler, S. E. Reeve, A. Mullie, P. F. Billingsley & A. F. Read

Modelling information exchange in worker–queen conflict over sex allocation 2403
J. Pen & P. D. Taylor

Genetic analysis reveals demographic fragmentation of grizzly bears yielding vulnerable small populations 2409

Odour concentration affects odour identity in honeybees 2417
G. A. Wright, M. G. A. Thomson & B. H. Smith

Winter resource wealth drives delayed dispersal and family-group living in western bluebirds 2423
J. L. Dickinson & A. McCowan

Does Bertrand’s rule apply to macronutrients? 2429
D. Raubenheimer, K. P. Lee & S. J. Simpson

Socially induced and rapid increases in aggression are inversely related to brain aromatase activity in a sex-changing fish, Lythrypnus dalli 2435
M. P. Black, J. Balthazar, M. Baillien & M. S. Grober

Do unprofitable prey evolve traits that profitable prey find difficult to exploit? 2441
T. N. Sherratt & D. W. Franks