Review articles

Origin of the fittest: link between emergent variation and evolutionary change as a critical question in evolutionary biology 1921
A. V. Badyaev

Binding constraints on the evolution of enzymes and signalling proteins: the important role of negative pleiotropy 1930
D. A. Liberles, M. D. M. Tisdell & J. A. Grahnen

Comments and invited replies

A reappraisal of grandmothering and natural selection 1936
K. Hawkes, P. S. Kim, B. Kennedy, R. Bohlender & J. Hawks

Grandmothering and natural selection revisited 1939
A. F. Kachel, L. S. Premo & J.-J. Hublin

Research articles

Kin-informative recognition cues in ants 1942
V. Nehring, S. E. F. Evison, L. A. Santorelli, P. d'Ettorre & W. O. H. Hughes

Effects of in utero odorant exposure on neuroanatomical development of the olfactory bulb and odour preferences 1949
J. Todrank, G. Heth & D. Restrepo

A new Middle Miocene tarsier from Thailand and the reconstruction of its orbital morphology using a geometric-morphometric method 1956
Y. Chairannees, R. Lebrun, C. Yamee & J. J. Jaeger

The importance of surface-based cues for face discrimination in non-human primates 1964
L. A. Pain & J. Tachtell

What makes a feather shine? A nanostructural basis for glossy black colours in feathers 1973
R. Masa, L. D'Alba & M. D. Shawkey

On the origins of sexual dimorphism in butterflies 1981
J. C. Oliver & A. Monteiro

Evidence for competition and cooperation among climbing plants 1989
J. M. Bernasile

Eye-gaze and arrow cues influence elementary sound perception 1997
J. J. Boyron, S. V. Shepherd, A. Tardos & A. A. Chazaner

Biological activity of oestradiol sulphate in an oviparous anemone: implications for maternal steroid effects 2005
R. T. Fair & R. M. Boxton

Genome duplication and the evolution of comispecific pollen precedence 2011
S. J. Baldwin & B. C. Husband

The effect of boldness on decision-making in barnacle geese is group-size-dependent 2018
B. R. J. M. Kunreus, V. M. A. P. Adamcaye, S. E. van Wieren & H. H. T. Prins

Vocal frequency change reflects different responses to anthropogenic noise in two subspecies of tyrant flycatchers 2025
C. D. Frands, C. F. Ortega & A. Cruz

MAOA-L carriers are better at making optimal financial decisions under risk 2032
C. Frydman, C. Camerer, P. Bossarites & A. Rangel

Cycles, stochasticity and density dependence in pink salmon population dynamics 2040
M. Kotsouk, R. Hilborn, B. M. Petersen & T. P. Quinn

Cross- and auto-correlation in early vision 2047
H. Barlow & D. L. Berry

Mating system, feeding type and ex situ conservation effort determine life expectancy in captive ruminants 2053