



# Paleobiology

VOLUME 41 | ISSUE 4 | 2015

## Featured Article

- Maiasaura*, a model organism for extinct vertebrate population biology: a large sample statistical assessment of growth dynamics and survivorship 503  
*Holly N. Woodward, Elizabeth A. Freedman Fowler, James O. Farlow, and John R. Horner*

## Articles

- Automated leaf physiognomic character identification from digital images 528  
*Norman MacLeod and David Steart*
- Intraspecific bimodal variability in eye lenses of two Devonian trilobites 554  
*Catherine Crônier, Petr Budil, Oldřich Fatka, and Lukáš Laibl*
- Fossils, homology, and “Phylogenetic Paleo-ontology”: a reassessment of primary posterior plate homologies among fossil and living crinoids with insights from developmental biology 570  
*David F. Wright*
- Mapping sclerobiosis: a new method for interpreting the distribution, biological implications, and paleoenvironmental significance of sclerobionts on biotic hosts 592  
*Kristina M. Barclay, Chris L. Schneider, and Lindsey R. Leighton*
- The Proterozoic Record of Eukaryotes 610  
*Phoebe A. Coben and Francis A. Macdonald*
- A more precise speciation and extinction rate estimator 633  
*John Alroy*
- A quantitative comparison of dispersed spore/pollen and plant megafossil assemblages from a Middle Jurassic plant bed from Yorkshire, UK 640  
*Sam M. Slater and Charles H. Wellman*
- The role of regional survivor incumbency in the evolutionary recovery of calcareous nannoplankton from the Cretaceous/Paleogene (K/Pg) mass extinction 661  
*Jonathan D. Schueth, Timothy J. Bralower, Shijun Jiang, and Mark E. Patzkowsky*
- Mixed assemblages of drilling predators and the problem of identity in the fossil record: A case study using the muricid gastropod *Ecphora* 680  
*Michelle M. Casey, Úna C. Farrell, Gregory P. Dietl, and David J. Veilleux*
- Index 697