

# Contents

- 1751 **Climate change increases the risk of malaria in birds**  
László Z. Garamszegi
- 1760 **The genetic signature of rapid range expansion by flying squirrels in response to contemporary climate warming**  
Colin J. Garroway, Jeff Bowman, Gillian L. Holloway, Jay R. Malcolm and Paul J. Wilson
- 1770 **Climate change and livestock parasites: integrated management of sheep blowfly strike in a warmer environment**  
Richard Wall and Lauren S. Ellse
- 1778 **Impact of climate change and human-mediated introgression on southern European Atlantic salmon populations**  
J. L. Horreo, G. Machado-Schiaffino, F. Ayllon, A. M. Griffiths, D. Bright, J. R. Stevens and E. Garcia-Vazquez
- 1788 **Temperature effects on oxygen thresholds for hypoxia in marine benthic organisms**  
Raquel Vaquer-Sunyer and Carlos M. Duarte
- 1798 **Ocean acidification and warming will lower coral reef resilience**  
Kenneth R. N. Anthony, Jeffrey A. Maynard, Guillermo Diaz-Pulido, Peter J. Mumby, Paul A. Marshall, Long Cao and Ove Hoegh-Guldberg
- 1809 **Increases in lake phytoplankton biomass caused by future climate-driven changes to seasonal river flow**  
Ian D. Jones, Trevor Page, J. Alex Elliott, Stephen J. Thackeray and A. Louise Heathwaite
- 1821 **Conversion to soy on the Amazonian agricultural frontier increases streamflow without affecting stormflow dynamics**  
Shelby J. Hayhoe, Christopher Neill, Stephen Porder, Richard McHorney, Paul Lefebvre, Michael T. Coe, Helmut Elsenbeer and Alex V. Krusche
- 1834 **Climate change vulnerability of forest biodiversity: climate and competition tracking of demographic rates**  
James S. Clark, David M. Bell, Michelle H. Hersh and Lauren Nichols
- 1850 **Late Pliocene vegetation and climate of Zhangcun region, Shanxi, North China**  
Feng Qin, David K. Ferguson, Reinhard Zetter, Yufei Wang, Svetlana Syabryaj, Jinfeng Li, Jian Yang and Chengsen Li
- 1871 **Direct and indirect effects of nitrogen deposition on species composition change in calcareous grasslands**  
Leon J. L. van den Berg, Philippine Vergeer, Tim C. G. Rich, Simon M. Smart, Dan Guest and Mike R. Ashmore
- 1884 **Reduced N cycling in response to elevated CO<sub>2</sub>, warming, and drought in a Danish heathland: Synthesizing results of the CLIMATE project after two years of treatments**  
Klaus S. Larsen, Louise C. Andresen, Claus Beier, Sven Jonasson, Kristian R. Albert, Per Ambus, Marie F. Arndal, Mette S. Carter, Søren Christensen, Martin Holmstrup, Andreas Ibrom, Jane Kongstad, Leon van der Linden, Kristine Maraldo, Anders Michelsen, Teis N. Mikkelsen, Kim Pilegaard, Anders Priemé, Helge Ro-Poulsen, Inger K. Schmidt, Merete B. Selsted and Karen Stevnbak
- 1900 **Impact of the Asian monsoon climate on ecosystem carbon and water exchanges: a wavelet analysis and its ecosystem modeling implications**  
Jinkyu Hong and Joon Kim
- 1917 **Is soil carbon disappearing? The dynamics of soil organic carbon in Java**  
Budiman Minasny, Yiyi Sulaeman and Alex B. McBratney
- 1925 **Increases in soil organic carbon sequestration can reduce the global warming potential of long-term liming to permanent grassland**  
D. A. Fornara, S. Steinbeiss, N. P. McNamara, G. Gleixner, S. Oakley, P. R. Poulton, A. J. Macdonald and R. D. Bardgett
- 1935 **A latitudinal gradient in tree growth response to climate warming in the Siberian taiga**  
Andrea H. Lloyd, Andrew G. Bunn and Logan Berner
- 1946 **The legacy of enhanced N and S deposition as revealed by the combined analysis of  $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$  and  $\delta^{15}\text{N}$  in tree rings**  
R. Guerrieri, M. Mencuccini, L. J. Sheppard, M. Saurer, M. P. Perks, P. Levy, M. A. Sutton, M. Borghetti and J. Grace
- 1963 **Nitrogen addition stimulates forest litter decomposition and disrupts species interactions in Patagonia, Argentina**  
Lucía Vivanco and Amy T. Austin
- 1975 **Soil environmental conditions rather than denitrifier abundance and diversity drive potential denitrification after changes in land uses**  
E. Attard, S. Recous, A. Chabbi, C. De Berranger, N. Guillaumaud, J. Labreuche, L. Philippot, B. Schmid and X. Le Roux
- 1990 **Water regulated effects of photosynthetic substrate supply on soil respiration in a semiarid steppe**  
Liming Yan, Shiping Chen, Jianhui Huang and Guanghui Lin
- 2002 **Soil heterogeneity buffers community response to climate change in species-rich grassland**  
Jason D. Fridley, J. Philip Grime, Andrew P. Askew, Barbara Moser and Carly J. Stevens