



ORIGINAL PAPERS

Leaf morphological and genetic differentiation between *Quercus robur* L. and its closest relative, the drought-tolerant *Quercus pedunculiflora* K. Koch

A.L. Curtu · N. Sofletea · A.V. Toader · M.C. Enescu 1163

Comparison of conventional eight-point crown projections with LIDAR-based virtual crown projections in a temperate old-growth forest

S. Fleck · I. Mölder · M. Jacob · T. Gebauer · H.F. Jungkunst · C. Leuschner 1173

Genetic variation in traits affecting sawn timber recovery in plantation-grown *Eucalyptus nitens*

D.P. Blackburn · M.G. Hamilton · C.E. Harwood · T.C. Innes · B.M. Potts · D. Williams 1187

Distribution and plant community associations of the understory bamboo *Fargesia qinlingensis* in the Foping National Nature Reserve, China

X.-C. Du · Y. Ren · G.-D. Dang · J. Lundholm 1197

Reproductive phenology of Brazilian savannas and riparian forests: environmental and phylogenetic issues

I.A. Silva · D.M. da Silva · G.H. de Carvalho · M.A. Batalha 1207

Spatio-temporal heterogeneity effects on seedling growth and establishment in four *Quercus* species

V. González-Rodríguez · R. Villar · R. Casado · E. Suárez-Bonnet · J.L. Quero · R.M. Navarro-Cerrillo 1217

Effects of spacing and genetic entry on radial growth and ring density development in Scots pine (*Pinus sylvestris* L.)

J. Gort-Oromi · L. Mehtätalo · H. Peltola · A. Zubizarreta-Gerendiain · P. Pulkkinen · A. Venäläinen 1233

Variant allometric scaling relationships between bud size and secondary shoot growth in *Quercus faginea*: implications for the climatic modulation of canopy growth

A.Q. Alla · J.J. Camarero · P. Rivera · G. Montserrat-Martí 1245

Sap flow measurements by thermal dissipation method using cyclic heating: a processing method accounting for the non-stationary regime

M. Nourtier · A. Chanzy · A. Granier · R. Huc 1255

Is the ranking of poplar genotypes for leaf carbon isotope discrimination stable across sites and years in two different full-sib families?

S.Y. Dillen · R. Monclus · C. Barbaroux · C. Bastien · R. Ceulemans · E. Dreyer · M. Villar · F. Brignolas · N. Marron 1265

Further articles can be found at www.springerlink.com

Abstracted/Indexed in *Biological Abstracts*, *BIOSIS*, *CAB Abstracts*, *CAB International*, *CSA*, *Current Abstracts*, *Current Contents/ Agriculture, Biology & Environmental Sciences*, *EBSCO*, *Environment Index*, *Geobase*, *Google Scholar*, *IBIDS*, *Journal Citation Reports/Science Edition*, *OCLC*, *PASCAL*, *ProQuest*, *Science Citation Index*, *Science Citation Index Expanded (SciSearch)*, *SCOPUS*, *Summon by Serial Solutions*, *Zoological Record*.

Instructions for Authors for *Annals of Forest Science* are available at www.springer.com/13595.