

Contents

Original Papers

Fernando Masarin and André Ferraz: Evaluation of <i>Eucalyptus grandis</i> Hill ex Maiden biopulping with <i>Ceriporiopsis subvermispora</i> under non-aseptic conditions	1
Lage Ahrenstedt, Antti Oksanen, Kristian Salminen and Harry Brumer: Paper dry strength improvement by xyloglucan addition: Wet-end application, spray coating and synergism with borate	8
Mario Fasching, Philipp Schröder, R. Petra Wollboldt, Hedda K. Weber and Herbert Sixta: A new and facile method for isolation of lignin from wood based on complete wood dissolution.....	15
Anderson Guerra, Lucian A. Lucia and Dimitris S. Argyropoulos: Isolation and characterization of lignins from <i>Eucalyptus grandis</i> Hill ex Maiden and <i>Eucalyptus globulus</i> Labill. by enzymatic mild acidolysis (EMAL)	24
Peter Westbye, Tobias Köhnke and Paul Gatenholm: Fractionation and characterization of xylan rich extracts from birch	31
Yong Sik Kim, Hou-min Chang and John F. Kadla: Polyoxometalate (POM) oxidation of lignin model compounds	38
Haruo Kawamoto, Takeshi Nakamura and Shiro Saka: Pyrolytic cleavage mechanisms of lignin-ether linkages: A study on <i>p</i> -substituted dimers and trimers.....	50
Eva-Lisa Lindfors, Mikael Lindström and Tommy Iversen: Polysaccharide degradation in waterlogged oak wood from the ancient warship Vasa	57
Gunnar Almkvist and Ingmar Persson: Degradation of polyethylene glycol and hemicelluloses in the Vasa.....	64
Yasuo Kojima, Shinichi Isaji, Seung-Lak Yoon and Toshihiro Ona: Selection criteria of <i>Eucalyptus globulus</i> Labill. for production of chemithermomechanical pulps (CTMP)	71
Michaela Eder, Nasko Terziev, Geoffrey Daniel and Ingo Burgert: The effect of (induced) dislocations on the tensile properties of individual Norway spruce fibres	77
Hiroshi Yoshihara and Kyohei Nobusue: Mode I and Mode II fracture toughness of densified Sitka spruce fabricated in an airtight atmosphere with high-temperature steam	82
Laurent Bleron, Gilles Duchanois and Bernard Thiebaut: Characteristic properties of embedding strength for the nailing of the gonfalo rose (<i>Qualea rosea</i> Aubl.)	86
Johannes Konnerth, David Harper, Seung-Hwan Lee, Timothy G. Rials and Wolfgang Gindl: Adhesive penetration of wood cell walls investigated by scanning thermal microscopy (SThM)	91
Luisa M.S. Borges, Simon M. Cragg, Julien Bergot, John R. Williams, Ben Shayler and Gervais S. Sawyer: Laboratory screening of tropical hardwoods for natural resistance to the marine borer <i>Limnoria quadripunctata</i> : The role of leachable and non-leachable factors	99
Oliver Weigenand, Miha Humar, Geoffrey Daniel, Holger Militz and Carsten Mai: Decay resistance of wood treated with amino-silicone compounds.....	112
W. James Catallo and Todd F. Shupe: Hydrothermal treatment of mixed preservative-treated wood waste.....	119
Harri Mäkinen, Tuula Jyske and Pekka Saranpää: Variation of tracheid length within annual rings of Scots pine and Norway spruce.....	123

Editorial Guidelines/Subscription Information.....Inside back cover

MeetingsBack cover