

Liste an Publikationen

Publikationen im Bereich Holzwissenschaft 2007-2016

Referiert, in Fachzeitschriften:

- Heigenmoser, A.; Liebner, F.; Windeisen, E.; Richter, K. 2013: Investigation of thermally treated timber by means of multifunctional pyrolysis-GC/MS. *J. Anal. Appl. Pyrolysis* 100, 117–126
- Heigenmoser, A.; Fuchs, R.; Windeisen, E.; Wegener, G. 2012: Characterization of different wood samples using a new combined method of evolved gas analysis and pyrolysis-gas chromatography/mass spectrometry. *Wood Sci. Technol.*, 46, 637-642 published online DOI 10.1007/s00226-011-0435-x
- Schmidt, M.; Thönnißen, A.; Knorz, M.; Windeisen, E.; Wegener, G. 2012: Relevant wood characteristics for gluing beech and ash with regard to discoloration. *Eur. J. Wood Prod.* 70, 319-325
- Kilic A.; Gülsoy, S.A.; Windeisen, E.; Jeske, H.; Wegener, G. 2012: Characterizing of abnormal formation in hardwood. *Eur. J. Wood Prod.* 70, 373-375
- Bächle, H.; Zimmer, B.; Windeisen, E.; Wegener, G. 2010: Evaluation of thermally modified beech and spruce wood and their properties by FT-NIR spectroscopy. *Wood Sci. Technol.*, 44, 421–433.
- Scholz, G.; Windeisen, E.; Liebner, F.; Bäucker, E.; Bues, C.-T. 2010: Wood anatomical features and chemical composition of *Prosopis kuntzei* grown in the Paraguayan chaco. *IAWA. Journal of the International Association of Wood Anatomists*, 31, 39–52.
- Windeisen, E.; Bächle, H.; Zimmer, B.; Wegener, G. 2009: Relations between chemical changes and mechanical properties of thermally treated wood. *Holzforschung*, 63, 773-778.
- Scholz, G.; Lohr, J.; Windeisen, E.; Tröger, F.; Wegener, G. 2009: Carbonization of hot-pressed ARBOFORM®-mixtures. *Eur. J. Wood Prod.*, 67: 351–355.
- Stefke, B.; Windeisen, E.; Schwanninger, M.; Hinterstoisser, B. 2008: Determination of the Weight Percentage Gain and of the Acetyl Group Content of Acetylated Wood by Means of Different Infrared Spectroscopic Methods. *Anal. Chem.*, 80: 1272-1279.
- Windeisen, E.; Wegener, G. 2008: Behavior of lignin during thermal treatments. *Ind. Crops Prod.*, 27, 157-162.
- Windeisen, E.; Strobel, C.; Wegener, G. 2007: Chemical changes during the production of thermo-treated beech wood. *Wood Sci. Technol.* 41, 523-536.
- Lautner, S.; Ehltig, B.; Windeisen, E.; Rennenberg, H.; Matyssek, R.; Fromm, J. 2007: Calcium nutrition has a significant influence on wood formation in poplar. *New Phytologist*, 173, 743–752.

Nicht referiert, incl. Tagungsbeiträge:

- Wanschura, R.; Windeisen-Holzhauser, E.; Richter, K. 2016: Screening of bioactive extracts for selected tropical hardwood species and identification of key substances. In: Proceedings of 14th European Workshop on Lignocellulosics and Pulp, 433-436
- Wanschura, R.; Windeisen-Holzhauser, E.; Richter, K. 2016: Application of the Adsorptive Bubble separation to Wood. In: Proceedings of 14th European Workshop on Lignocellulosics and Pulp, 437-440
- Wanschura, R.; Baumgartner, M.; Windeisen, E.; Richter, K. 2015: Application of the Adsorptive Bubble Separation to wood. In: Proceedings of International Symposium on Wood, Fibre and Paper Chemistry, 149-152
- Wanschura, R.; Windeisen, E.; Richter, K. 2014: Analysis of extractives of tropical hardwoods and benefits for the surface treatment. In: Proceedings of IAWS and Hardwood Conference, 71-72
- Fuchs, R.; Windeisen, E.; Richter, K. 2012: Extractives of some commercially traded tropical timber. In: Proceedings of 12th European Workshop on Lignocellulosics and Pulp, Edita Prima Oy/Finnland, August 2012, S. 248-251
- Fuchs R.; Windeisen E.; Richter K. 2012: New aspects in the analysis of extractives of some commercially traded tropical timbers. In: Proceedings of COST FP0901 Meeting, Tulln/Österreich, März 2012. University of Natural Resources and Life Sciences, Vienna, S. 40
- Heigenmoser, A.; Windeisen, E.; Liebner, F., Richter, K. 2012: Investigation of thermally treated timber by means of multifunctional pyrolysis-GC/MS. In: Proceedings of 6th European Conference on Wood Modification, University of Ljubljana/Slowenien, September 2012, S. 47-48
- Heigenmoser, A.; Windeisen, E.; Richter, K. 2012: Investigation of biopolymers by means of multifunctional pyrolysis-GC/MS. In: Proceedings of Cost Action FP 0901, 27.-28.03.12, Vienna, Austria, 24.
- Windeisen, E.; Heigenmoser, A.; Richter, K. 2012: A multifunctional Py-GC/MS system as tool for quickly providing insights into the chemistry of polymeric natural materials and their products. In: Proceedings of 12th European Workshop on Lignocellulosics and Pulp. Edita Prima Oy/Finnland, August 2013, S. 100-103
- Windeisen, E. 2012: Chemical Characterization of Grass for utilization in a biorefinery process. In: Proceedings of Cost Action FP 0901, 27.-28.03.12, Vienna, Austria, 39.
- Fuchs, R.; Windeisen, E. 2011: Characterization of various wood species and lignin by evolved gas analysis (EGA), low temperature thermal desorption (TD-GC/MS) and pyrolysis (Py-GC/MS). Poster Cost Action FP 0901, 25.-26.01.11, Paris, France.
- Windeisen, E. 2011: Chemische Veränderungen im Holz im Zuge der thermischen Behandlung. Vortrag bei Fachtagung Technologie des Holzes und der Holzwerkstoffe, 05.-06.05.11, Göttingen.
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- Kristof, K.; Bierter, W.; Erdmann, L.; Fichter, K.; von Geibler, J., Wegener, E.; Windeisen, E. 2008: Erschließung nachhaltiger Märkte für das Bauen mit Holz. Abschluss Broschüre Dt. und Engl., 37 S.

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- Wegener, G.; Windeisen, E.; 2016: Chemically-based modern wood composites. In: Lignocellulosic Fibers and Wood Handbook. Pizzi, A.; Belgacem, M. N. (Ed.) Scrivener Publishing, Wiley, ISBN 978-1-118-77352-9, 305-311
- Windeisen, E.; Wegener, G. 2016: Lignin as Building Unit for Polymers. In: Reference Module in Materials Science and Materials Engineering. S. Hashmi (Ed.) Elsevier Inc., ISBN: 978-0-12-803581-8, 1–13
- Windeisen E., Wanschura R., Richter K. 2015: Holz - Potenziale als Chemierohstoff. Naturwissenschaften im Unterricht Chemie. Pfeifer P., Venke S. (Ed.), Friedrich-Verlag, Heft 141, 2-8
- Fuchs R 2013: Realisierung von Produktinnovationen im Hinblick auf Schutz und Pflege von tropischen und dauerhaften einheimischen Holzarten im Außenbereich. Abschlussbericht, ZIM-AiF- Projekt KF2039610.
- Windeisen, E.; Wegener, G. 2012: Lignin as building-unit for polymers. In Comprehensive Polymer Science. Eds. Matyjaszewski, K.; Möller, M., Elsevier Ltd, Kidlington. ISBN: 9780444533494
- Windeisen, E.; Wegener, G. 2009: Wood. In Sustainable Solutions for Modern Economies (Rsc Green Chemistry Series). Ed. Höfer, R., 300-338. RSC Publishing. Cambridge, ISBN 978-1-84755-905-0
- Windeisen, E.; Wegener, G. 2009: Chemical characterization and comparison of thermally treated beech and ash wood. In: Advances in Materials Science of Wood. Ed. Kettunen, P.O., 143-158. Materials Science Forum, 599. ISBN / ISBN-13: 0-87849-354-9 / 978-0-87849-354-8
- Windeisen, E.; Wegener, G. 2009: Significance, analysis and potential of utilization of extractives from wood: different aspects and examples. In: Advances in Materials Science of Wood. Ed. Kettunen, P.O., 79-106. Materials Science Forum, 599. ISBN / ISBN-13: 0-87849-354-9 / 978-0-87849-354-8
- Windeisen, E.; Wegener, G.; Nägele, H.; Pfitzer, J. 2008: Neue Materialien: Bauplatten aus ARBOFORM®. In Zukunftsmärkte für das Bauen mit Holz. Eds. Kristof, K.; Geibler, von J.: 84-97. DRW-Verlag, Leinfelden-Echterdingen. ISBN 978-3-87181-711-3