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Qualifications

Doctor of Philosophy, Technology, Teknillinen korkeakoulu

Research output

Influence of reaction conditions on solvolysis of organosolv lignin using water and green organic co-solvents as reaction medium

Hashmi, F., Meriö-Talvio, H., Ruuttunen, K. & Sixta, H., 2020, In : Fuel Processing Technology. 197, 106200.

Production of reactive lignin mix through catalytic solvolysis of organosolv lignin

Hashmi, F., Pitkänen, L., Ruuttunen, K. & Sixta, H., 11 Sep 2019.

Condensation of extractive compounds in fresh wood

Ruuttunen, K., Vuorinen, T., Eilamo, T. & Saranpää, P., 10 Jun 2019.

Optimized Catalytic Bleaching Sequences for Eucalyptus Kraft Pulp

Afsahi, G., Isaza Ferro, E., Ruuttunen, K. & Vuorinen, T., 1 Jan 2019, In : Journal of Wood Chemistry and Technology.

Hydrothermolysis of organosolv lignin for the production of bio-oil rich in monoaromatic phenolic compounds

Hashmi, S. F., Meriö-Talvio, H., Hakonen, K. J., Ruuttunen, K. & Sixta, H., 15 Dec 2017, In : Fuel Processing Technology. 168, p. 74-83 10 p.

Cooking of dry high-lignin Eucalyptus camaldulensis chips followed by TCF bleaching with hydrogen peroxide

Fiskari, J., Vihelä, T., Ruuttunen, K., Ali-Rekola, V., Hautala, S. & Sixta, H., 1 Sep 2017, In : Cellulose Chemistry and Technology. 51, 9-10, p. 857-861 5 p.

Uncatalyzed Lignin Solvolysis: Utilizing Water-Solvent Mixtures as a Reaction Medium

Ruuttunen, K., Hashmi, S. F., Hakonen, K. & Sixta, H., 9 May 2017.

Pulping-tailored fiber properties from a novel Brazilian Eucalyptus hybrid

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Defibrination mechanism of autohydrolyzed Eucalyptus wood chips

Muguet, M. C. S., Ruuttunen, K., Jääskeläinen, A. S., Colodette, J. L. & Vuorinen, T., 2013, *245th American Chemical Society National Meeting & Exposition, New Orleans, USA, April 7-11*. p. pp. xx

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Effect of Fiber Wall Chemistry on Energy Demand in Eucalyptus Wood Defibrination

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Thermomechanical pulping of novel Brazilian Eucalyptus hybrids

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Effect of various pulping processes on the surface properties of pulp fibers derived from a novel Brazilian Eucalyptus hybrid

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Mechanical defibrination of autohydrolyzed Eucalyptus wood chips

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Concomitant usage of transition metal polyanions as catalysts in oxygen delignification: laboratory bleaching trials

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Donnan effect and distribution of the [SiVIVW11O40]6- anion in pulp suspension

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Use of an interactive carbohydrate polymer phenomenon for the separation of polyoxometalates

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