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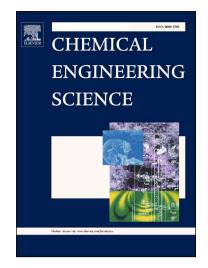
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Impact of cellulose treatment with hydrotalcites in hydrothermal catalytic conversion.

Carlos Guarín, Llorenç Gavilà, Magda Constantí*, Francesc Medina

Department of Chemical Engineering, University Rovira i Virgili, Av. Països Catalans 26, 43007

Tarragona, Spain

Carlos Andrés Guarín karlosguarinv@gmail.com

Llorenç Gavilà lloren.gavila@urv.cat

Magda Constantí magda.constanti@urv.cat

Francisco Medina francesc.medina@urv.cat

*Corresponding author: magda.constanti@urv.cat, Telephone: +34 977 558457 Fax: +34 977 559621

Department of Chemical Engineering, University Rovira i Virgili, Av. Països Catalans 26, 43007

Tarragona, Spain

Abstract

The depletion of oil reserves pushes the development of platform chemicals from biomass, as an alternative for the sustainable progress of the chemical industry. Cellulose, which is the main component of biomass, is widely studied for its conversion into value-added chemicals. However, due to its recalcitrant nature, hydrolysis of cellulose with solid alkali catalysts still remains a challenge. Thus, the conversion of cellulose using hydrotalcites as catalyst was investigated. For this purpose,

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