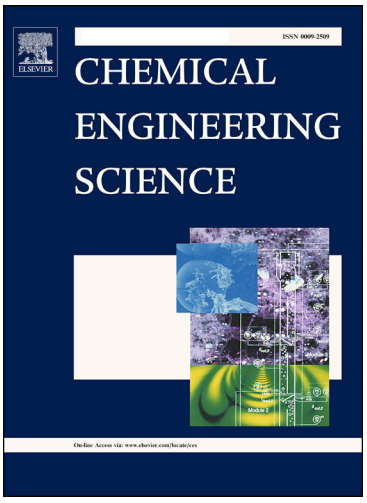

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Abstract

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,