

Supplementary Materials: Supplementary Material: Support Screening Studies on the Hydrogenation of Levulinic Acid to γ -Valerolactone in Water Using Ru Catalysts

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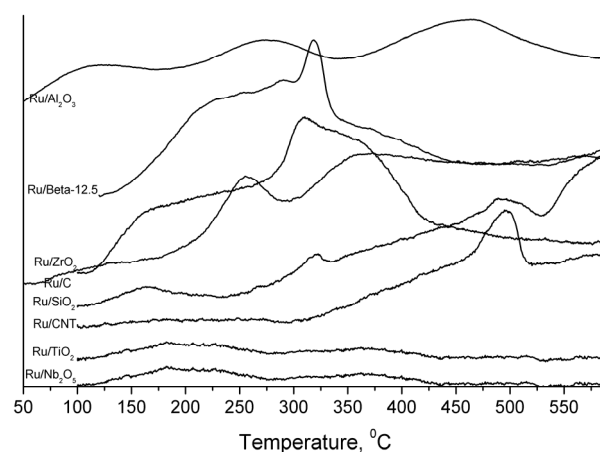


Figure S1. Temperature programmed desorption of ammonia (NH₃-TPD) profiles of the various Ru-based catalysts (1 wt. % Ru).

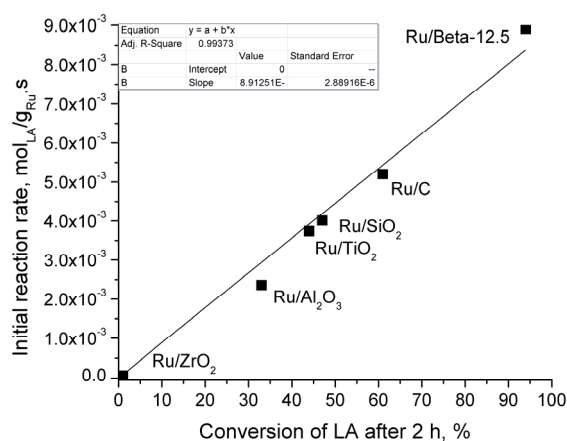


Figure S2. Parity plot for initial reaction rate (on actual Ru intake in g) and levulinic acid (LA) conversion after 2 h batch time for the various catalysts. Reaction conditions: 90 °C, 45 bar H₂, $C_{LA,0}$ = 0.6–0.7 mol/L, m_{cat} = 0.06 g, stirring rate = 2000 rpm.