

SUPPORTING INFORMATION:

Novel Ionic Liquid Synthesis of Bimetallic Fe–Ru Catalysts for the Direct Hydrogenation of CO₂ to Short Chain Hydrocarbons

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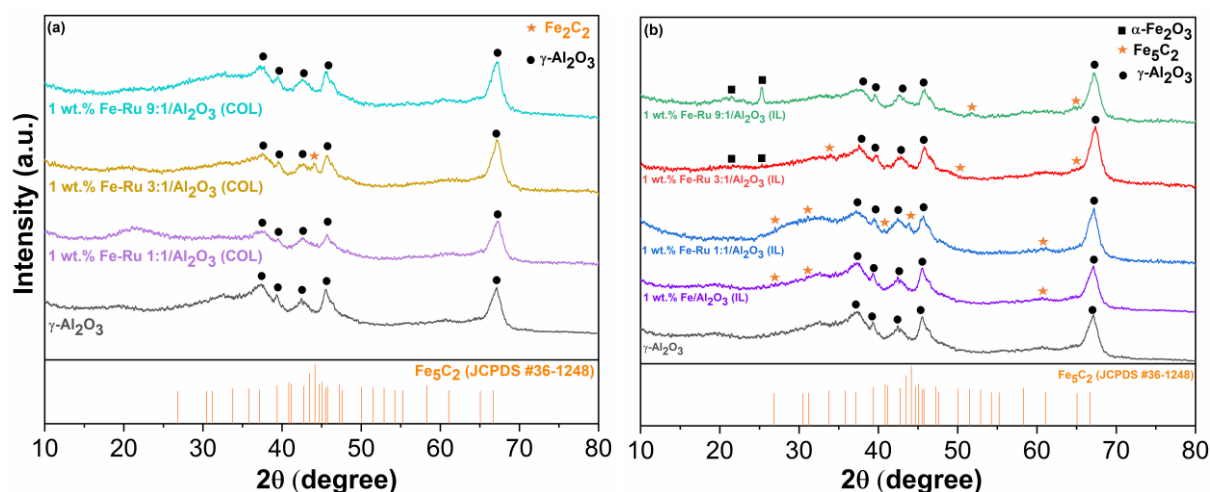


Figure S1. a) XRD patterns of spent catalysts 1 wt% Fe-Ru 1:1/Al₂O₃ (COL) (in violet), 1 wt% Fe-Ru 3:1/Al₂O₃ (COL) (in orange) and 1 wt% Fe-Ru 9:1/Al₂O₃ (COL) (in light blue), compared with the pure γ -Al₂O₃ b) XRD patterns of spent catalysts, 1 wt% Fe₂O₃/Al₂O₃ (IL) (in violet), 1 wt% Fe-Ru 1:1/Al₂O₃ (IL) (in blue), 1 wt% Fe-Ru 3:1/Al₂O₃ (IL) (in red) and 1 wt% Fe-Ru 9:1/Al₂O₃ (IL) (in green), compared with the pure γ -Al₂O₃.