

Supplementary materials

The Influence of Support Composition on the Activity of Cu:Ce Catalysts for Selective Catalytic Reduction of NO by CO in the Presence of Excess Oxygen

Zahra Gholami^{1,2*}, Guohua Luo², Fatemeh Gholami³

¹Unipetrol Centre of Research and Education, a.s, Areál Chempark 2838, Záluží 1, 436 70 Litvínov, Czech Republic

²Beijing Key Laboratory of Green Chemical Reaction Engineering and Technology, Department of Chemical Engineering, Tsinghua University, Beijing 100084, China

³New Technologies - Research Centre, University of West Bohemia, Engineering of Special Materials, Plzeň 301 00, Czech Republic

*Corresponding author

Tel: +420 471 122 239, E-mail: Zahra.Gholami@unicre.cz

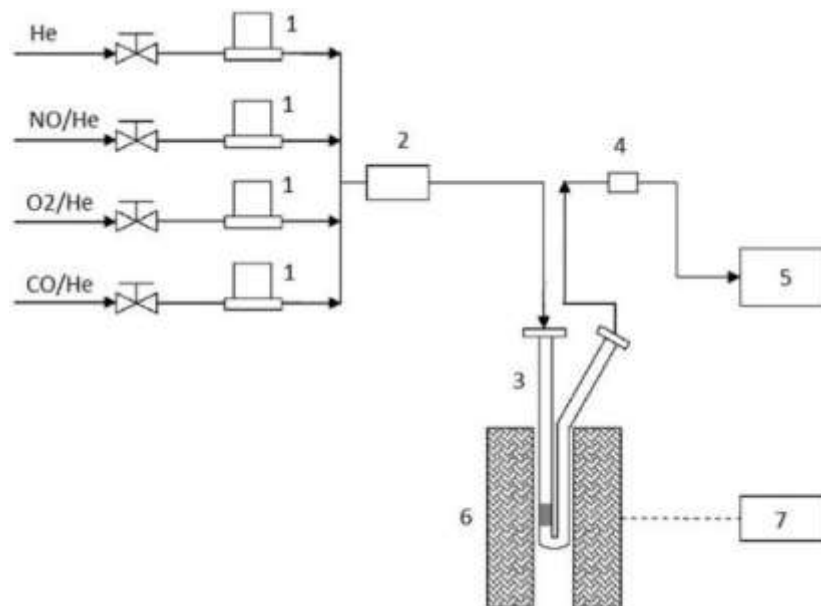


Fig. S1. Schematic of the fixed bed reactor for selective catalytic reduction of NO with CO. 1) mass flow controller; 2) mixing chamber; 3) fixed bed; 4) filter; 5) chemiluminescence analyzer; 6) furnace; 7) temperature controller.

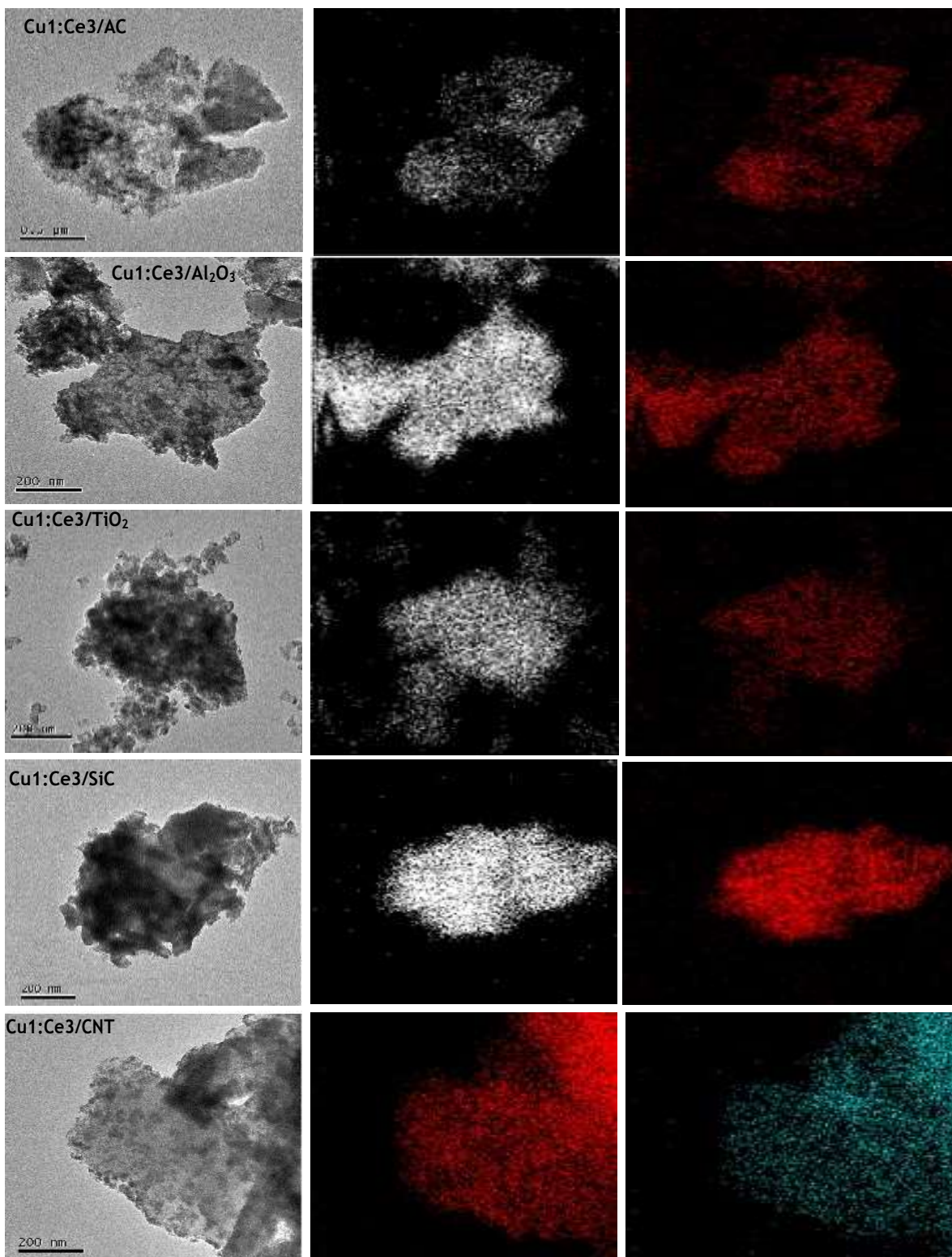


Fig. S2. Elemental Mapping of Cu₁:Ce₃ catalysts supported on different solid carriers.

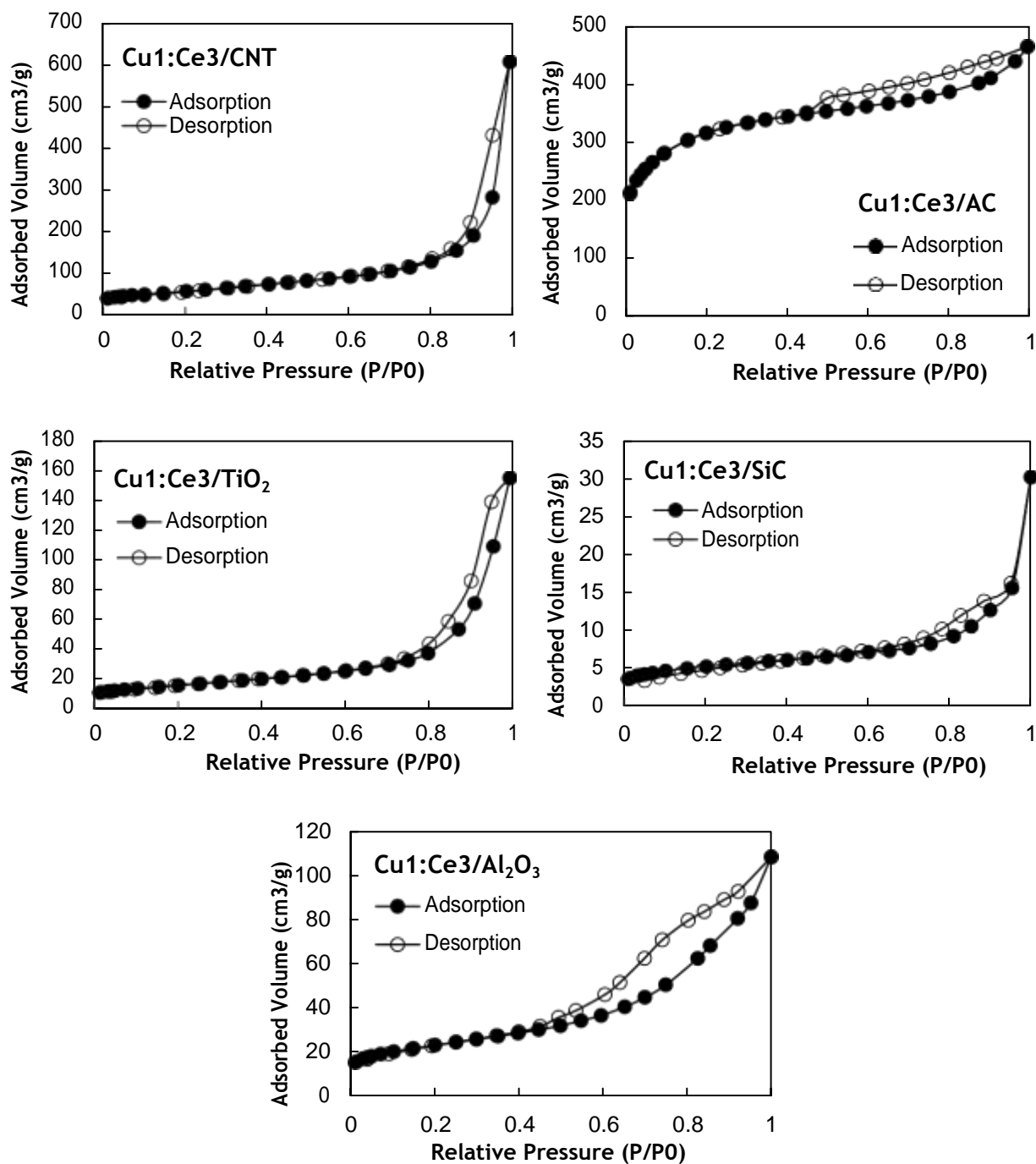


Fig. S3. Adsorption-desorption isotherms of nitrogen for Cu₁:Ce₃ catalyst supported on different solid carriers.