### Accepted Manuscript

Title: Effect of Cobalt Loading on Structure and Catalytic Behavior of CoO<sub>x</sub>/SiO<sub>2</sub> in CO<sub>2</sub>-Assisted Dehydrogenation of Ethane

Authors: Rajesh Koirala, Olga V. Safonova, Sotiris E.

Pratsinis, Alfons Baiker

PII: S0926-860X(17)30580-X

DOI: https://doi.org/10.1016/j.apcata.2017.12.025

Reference: APCATA 16505

To appear in: Applied Catalysis A: General

 Received date:
 30-10-2017

 Revised date:
 22-12-2017

 Accepted date:
 28-12-2017

Please cite this article as: Koirala R, Safonova OV, Pratsinis SE, Baiker A, Effect of Cobalt Loading on Structure and Catalytic Behavior of  $CoO_x/SiO_2$  in  $CO_2$ -Assisted Dehydrogenation of Ethane, *Applied Catalysis A, General* (2010), https://doi.org/10.1016/j.apcata.2017.12.025

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



#### ACCEPTED MANUSCRIPT

# Effect of Cobalt Loading on Structure and Catalytic Behavior of $\text{CoO}_x/\text{SiO}_2$ in $\text{CO}_2\text{-Assisted Dehydrogenation}$ of Ethane

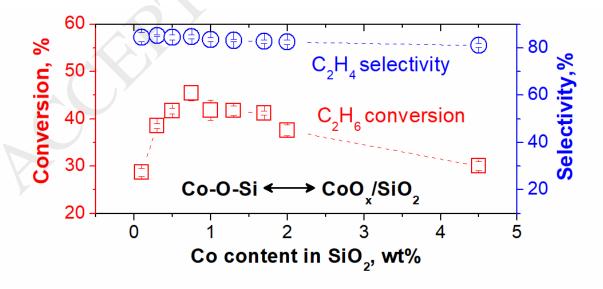
Rajesh Koirala<sup>a</sup>, Olga V. Safonova<sup>b</sup>, Sotiris E. Pratsinis<sup>a</sup>, Alfons Baiker\*,c

<sup>a</sup>Particle Technology Laboratory, Department of Mechanical and Process Engineering, ETH Zurich, Sonneggstrasse 3, CH-8092 Zurich, Switzerland <sup>b</sup>Paul Scherrer Institute, 5232 Villigen, Switzerland

<sup>c</sup>Institute of Chemical and Bioengineering, Department of Chemistry and Applied Biosciences, ETH Zurich, Hönggerberg, HCI, CH-8093 Zurich, Switzerland

\*Corresponding Author: A. Baiker, E-mail: alfons.baiker@chem.ethz.ch Tel.: +41 44 632 31 53; fax: +41 44 632 11 63

#### **Graphical Abstract**



#### Download English Version:

## https://daneshyari.com/en/article/6497034

Download Persian Version:

https://daneshyari.com/article/6497034

<u>Daneshyari.com</u>