Accepted Manuscript

Title: Silica deposition as an approach for improving the hydrothermal stability of an alumina support during glycerol aqueous phase reforming

Authors: Fang Liu, Chukwuemeka Okolie, Ryan M. Ravenelle, John C. Crittenden, Carsten Sievers, Pieter C.A. Bruijnincx, Bert M. Weckhuysen



PII:	S0926-860X(17)30547-1
DOI:	https://doi.org/10.1016/j.apcata.2017.11.025
Reference:	APCATA 16479
To appear in:	Applied Catalysis A: General
Received date:	11-9-2017
Revised date:	19-11-2017
Accepted date:	27-11-2017

Please cite this article as: Liu F, Okolie C, Ravenelle RM, Crittenden JC, Sievers C, Bruijnincx PCA, Weckhuysen BM, Silica deposition as an approach for improving the hydrothermal stability of an alumina support during glycerol aqueous phase reforming, *Applied Catalysis A, General* (2010), https://doi.org/10.1016/j.apcata.2017.11.025

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

Silica deposition as an approach for improving the hydrothermal stability of an alumina support during glycerol aqueous phase reforming

Fang Liu,¹ Chukwuemeka Okolie,² Ryan M. Ravenelle,² John C. Crittenden,³ Carsten Sievers,^{2,*}

Pieter C.A. Bruijnincx,^{1,*} Bert M. Weckhuysen^{1,*}

¹ Inorganic Chemistry and Catalysis, Debye Institute for Nanomaterials Science, Utrecht University, Universiteitsweg 99, 3584 CG Utrecht, The Netherlands

² Georgia Institute of Technology, School of Chemical & Biomolecular Engineering, 311 Ferst Dr. NW, Atlanta, GA 30332-0100, USA

³ Georgia Institute of Technology, School of Civil & Environmental Engineering, 828 West

Peachtree, Suite 320B Atlanta, Georgia 30332-0595, USA

* Corresponding authors

Email addresses: carsten.sievers@chbe.gatech.edu, p.c.a.bruijnincx@uu.nl,

b.m.weckhuysen@uu.nl

Graphical abstract

Download English Version:

https://daneshyari.com/en/article/6497064

Download Persian Version:

https://daneshyari.com/article/6497064

Daneshyari.com