

Accepted Manuscript

Title: Relationship between phosphate structure and acid-base properties of phosphate-modified zirconia. Application to alcohol dehydration

Author: Abdelakrim Aboulayt Thomas Onfroy Arnaud Travert Guillaume Clet Francoise Maugé



PII: S0926-860X(16)30537-3
DOI: <http://dx.doi.org/doi:10.1016/j.apcata.2016.10.030>
Reference: APCATA 16046

To appear in: *Applied Catalysis A: General*

Received date: 25-7-2016
Revised date: 21-10-2016
Accepted date: 29-10-2016

Please cite this article as: Abdelakrim Aboulayt, Thomas Onfroy, Arnaud Travert, Guillaume Clet, Francoise Maugé, Relationship between phosphate structure and acid-base properties of phosphate-modified zirconia. Application to alcohol dehydration, Applied Catalysis A, General <http://dx.doi.org/10.1016/j.apcata.2016.10.030>

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.

**Relationship between phosphate structure and acid-base
properties of phosphate-modified zirconia. Application to
alcohol dehydration**

Abdelakrim ABOULAYT^{1,2}, Thomas ONFROY^{1,3,4}, Arnaud TRAVERT¹,

Guillaume CLET¹, Françoise MAUGÉ^{1*}

¹ Normandie Univ, ENSICAEN, UNICAEN, CNRS, Laboratoire Catalyse et Spectrochimie, 14050 Caen, France

² Equipe Thermodynamique, Surface et Catalyse, Département de Chimie, Faculté des Sciences, Université Chouaib Doukkali, B.P., 20, El Jadida, Marocco.

³ Sorbonne Université, UPMC Univ Paris 06, UMR 7197, Laboratoire de Réactivité de Surface, 4 Place Jussieu, F-75005, Paris, France.

⁴ CNRS, UMR 7197, Laboratoire de Réactivité de Surface, 4 Place Jussieu, F-75005, Paris, France.

*corresponding author: francoise.mauge@ensicaen.fr

Keywords: Zirconia; Phosphate; Acidity; Basicity; alcohol dehydration.

Short title: Acido-basic properties of phosphated ZrO₂

Download English Version:

<https://daneshyari.com/en/article/4755742>

Download Persian Version:

<https://daneshyari.com/article/4755742>

[Daneshyari.com](https://daneshyari.com)