Accepted Manuscript

Title: Studies on non-modified and copper-modified coal ash zeolites as heterogeneous catalysts for VOCs oxidation

Authors: Silviya Boycheva, Denitza Zgureva, Miroslava Václavíková, Yuri Kalvachev, Hristina Lazarova, Margarita Popova

PII: S0304-3894(18)30537-5

DOI: https://doi.org/10.1016/j.jhazmat.2018.07.020

Reference: HAZMAT 19528

To appear in: Journal of Hazardous Materials

Received date: 3-10-2017 Revised date: 30-4-2018 Accepted date: 5-7-2018

Please cite this article as: Boycheva S, Zgureva D, Václavíková M, Kalvachev Y, Lazarova H, Popova M, Studies on non-modified and copper-modified coal ash zeolites as heterogeneous catalysts for VOCs oxidation, *Journal of Hazardous Materials* (2018), https://doi.org/10.1016/j.jhazmat.2018.07.020

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

Studies on non-modified and copper-modified coal ash zeolites as heterogeneous catalysts for VOCs oxidation

Silviya Boycheva^{1*}, Denitza Zgureva¹, Miroslava Václavíková², Yuri Kalvachev³, Hristina Lazarova⁴, Margarita Popova^{4*}

¹Technical University of Sofia, Department of Thermal and Nuclear Power Engineering, 8 Kl. Ohridsky Blvd., 1000 Sofia, Bulgaria;

²Institute of Geotechnics, Slovak Academy of Sciences, Kosice, Watsonova 45, SK-043 53 Kosice, Slovak Republic;

³Institute of Catalysis, Bulgarian Academy of Sciences, Acad. G. Bonchev Str., Bl. 11, 1113 Sofia, Bulgaria

⁴Institute of Organic Chemistry with Centre of Phytochemistry, Bulgarian Academy of Sciences, Acad. G. Bonchev Str., Bl. 9, 1113 Sofia, Bulgaria

Corresponding authors:

* sboycheva@tu-sofia.bg

* mpopova@orgchm.bas.bg

Download English Version:

https://daneshyari.com/en/article/11031528

Download Persian Version:

https://daneshyari.com/article/11031528

<u>Daneshyari.com</u>