In-depth evaluation of a ZrO_2 promoted CaO-based CO_2 sorbent in fluidized bed reactor tests

Andy Antzara, Aitor Arregi, Eleni Heracleous, Angeliki A. Lemonidou

PII: S1385-8947(17)31700-X
DOI: https://doi.org/10.1016/j.cej.2017.09.192
Reference: CEJ 17777

To appear in: *Chemical Engineering Journal*

Received Date: 19 July 2017
Revised Date: 29 September 2017
Accepted Date: 30 September 2017

Please cite this article as: A. Antzara, A. Arregi, E. Heracleous, A.A. Lemonidou, In-depth evaluation of a ZrO_2 promoted CaO-based CO_2 sorbent in fluidized bed reactor tests, *Chemical Engineering Journal* (2017), doi: https://doi.org/10.1016/j.cej.2017.09.192

In-depth evaluation of a ZrO_2 promoted CaO-based CO_2 sorbent in fluidized bed reactor tests

Andy Antzara[1], Aitor Arregi[1,⊥], Eleni Heracleous[1,2], Angeliki A. Lemonidou[1]*

[1] Department of Chemical Engineering, Aristotle University of Thessaloniki, University Campus, 54124 Thessaloniki, Greece

[2] School of Science & Technology, International Hellenic University (IHU), 14th km Thessaloniki – Moudania, 57001 Thessaloniki, Greece

[⊥] Permanent address: Department of Chemical Engineering, University of the Basque Country UPV/EHU, P.O. Box 644, E48080 Bilbao, Spain

**** Corresponding Authors***

Angeliki A. Lemonidou

e-mail: alemonidou@cheng.auth.gr

phone: +30 2310 996273

fax: +30 2310 996184