

## Accepted Manuscript

Mechanism of CO<sub>2</sub> capture in nanostructured sodium amide encapsulated in porous silica

Mi Tian, Antoine Buchard, Stephen Wells, Yanan Fang, Laura Torrente-Murciano, Antony Nearchou, Zhili Dong, Timothy J. White, Asel Sartbaeva, Valeska P. Ting



PII: S0257-8972(18)30624-8  
DOI: doi:[10.1016/j.surfcoat.2018.06.049](https://doi.org/10.1016/j.surfcoat.2018.06.049)  
Reference: SCT 23500  
To appear in: *Surface & Coatings Technology*  
Received date: 26 January 2018  
Revised date: 22 June 2018  
Accepted date: 23 June 2018

Please cite this article as: Mi Tian, Antoine Buchard, Stephen Wells, Yanan Fang, Laura Torrente-Murciano, Antony Nearchou, Zhili Dong, Timothy J. White, Asel Sartbaeva, Valeska P. Ting, Mechanism of CO<sub>2</sub> capture in nanostructured sodium amide encapsulated in porous silica. *Sct* (2018), doi:[10.1016/j.surfcoat.2018.06.049](https://doi.org/10.1016/j.surfcoat.2018.06.049)

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.

## Mechanism of CO<sub>2</sub> capture in nanostructured sodium amide encapsulated in porous silica

Mi Tian<sup>a</sup>, Antoine Buchard<sup>b</sup>, Stephen Wells<sup>a</sup>, Yanan Fang<sup>c</sup>, Laura Torrente-Murciano<sup>d</sup>, Antony Nearchou<sup>b</sup>, Zhili Dong<sup>c</sup>, Timothy. J. White<sup>c</sup>, Asel Sartbaeva<sup>b\*</sup> and Valeska P. Ting<sup>e\*</sup>

<sup>a</sup>Department of Chemical Engineering, University of Bath, Bath BA2 7AY, United Kingdom.

<sup>b</sup>Department of Chemistry, University of Bath, Bath BA2 7AY, United Kingdom.

<sup>c</sup>School of Materials Science and Engineering, Nanyang Technological University, Singapore

<sup>d</sup>Department of Chemical Engineering and Biotechnology, University of Cambridge, Cambridge CB2 3RA, United Kingdom.

<sup>e</sup>Department of Mechanical Engineering, University of Bristol, Bristol BS8 1TR, United Kingdom.

Download English Version:

<https://daneshyari.com/en/article/8023378>

Download Persian Version:

<https://daneshyari.com/article/8023378>

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