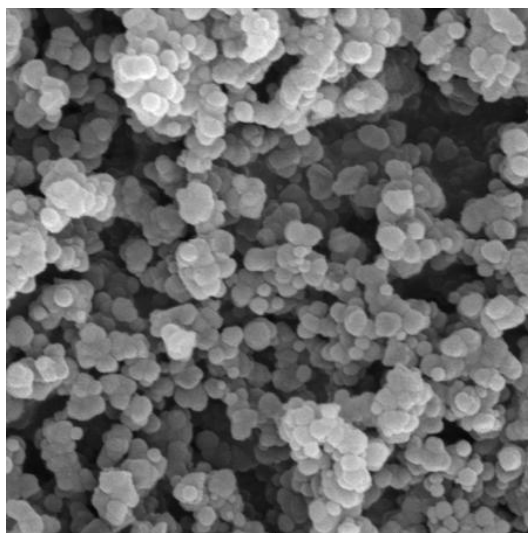


## Supplementary Information

### Catalytic Capture of CO<sub>2</sub> with Template-Containing Zn/MCM-41 and Its Transformation to Solid Carbonate

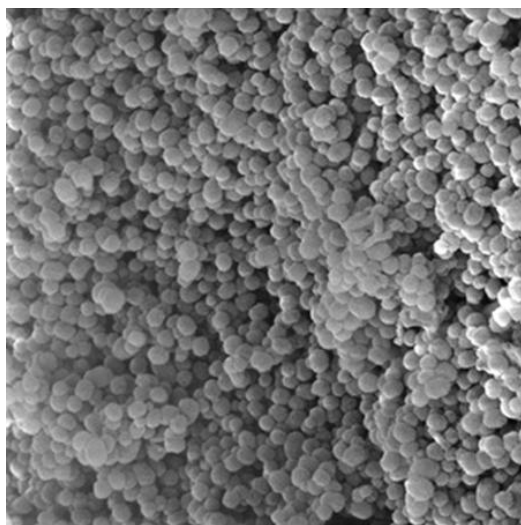
*Mahtab Pirouzmand,\* Behnaz Nikzad-Kojanag and Seyed Abolfazl Hosseini-Yazdi*

*Department of Inorganic Chemistry, Faculty of Chemistry, University of Tabriz,  
5166616471 Tabriz, Iran*

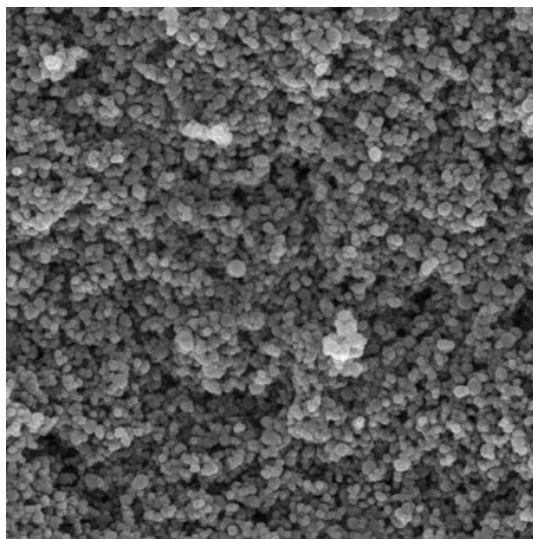


**Figure S1.** [CTA]Zn/MCM-41 (DS) (average size ca. 92 nm).

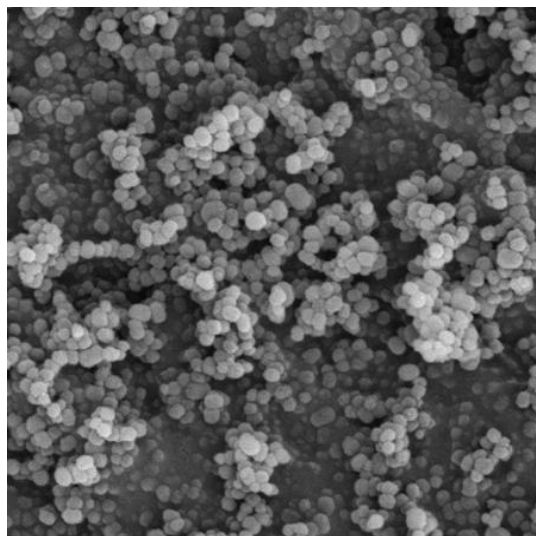
\*e-mail: m.pirouzmand@tabrizu.ac.ir



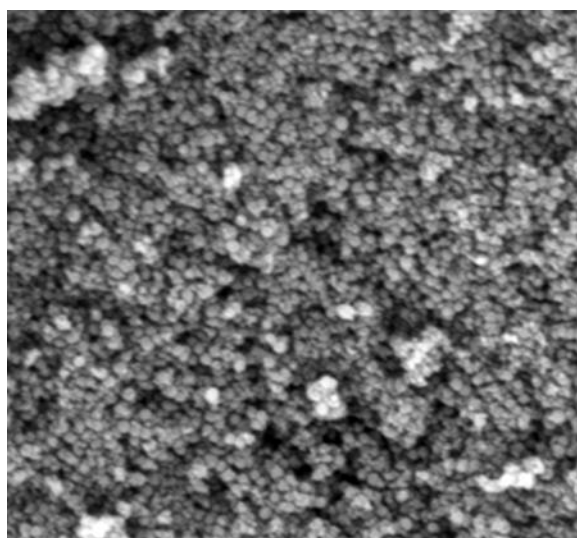
**Figure S2.** Calcined Zn/MCM-41 (DS) (average size ca. 105 nm).



**Figure S3.** [CTA]Zn/MCM-41 (TIE) (average size ca. 45 nm).



**Figure S4.** Calcined Zn/MCM-41 (TIE) (average size ca. 77 nm).



**Figure S5.** Zn/MCM-41 (WI) (average size ca. 66 nm).