## **Supporting Information**

for

CO<sub>2</sub> Capture Performance and Attrition Property of CaO-based Pellets

Manufactured from Organometallic Calcium Precursors by Extrusion

Changlei Qin, † Hong Du, ‡ Liang Liu, § Junjun Yin, † and Bo Feng\*†

<sup>†</sup>School of Mechanical and Mining Engineering, The University of Queensland, St Lucia, Queensland 4072,

Australia

<sup>‡</sup>School of Biological Sciences, The University of Queensland, St Lucia, Queensland 4072, Australia

§School of Chemical Engineering, The University of Queensland, St Lucia, Queensland 4072, Australia

<sup>\*</sup>Corresponding author. Email: b.feng@uq.edu.au. Phone: +61-7-33469193. Fax: +61-7-33654799.

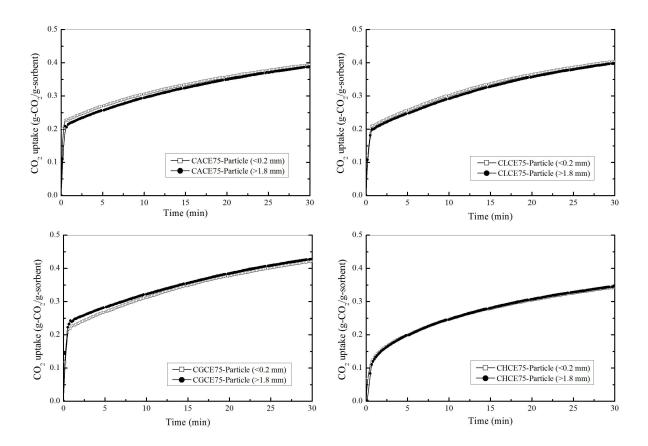


Figure S1.  $CO_2$  uptake profile of different sized sorbent pellets as a function of time in the first cycle. Calcination was performed at 900 °C, with 100%  $N_2$  for 10 min; carbonation was performed at 650 °C with 15%  $CO_2$  for 30 min.