

Supplementary Material

Mesoporous Silica-Supported Ionic Liquids as Catalysts for Styrene Carbonate Synthesis From CO₂

Agnieszka Siewniak,^{*a} Adrianna Forajter^a and Katarzyna Szymańska^b

^aSilesian University of Technology, Department of Chemical Organic Technology and Petrochemistry, Krzywoustego 4, 44-100 Gliwice, Poland.

^bSilesian University of Technology, Department of Chemical Engineering and Process Design, Strzody 7, 44-100 Gliwice, Poland.

Fig. S1-2 Nitrogen adsorption/desorption curves.

Fig. S3-4 Pore size distribution.

Fig. S5-7 TGA curves.

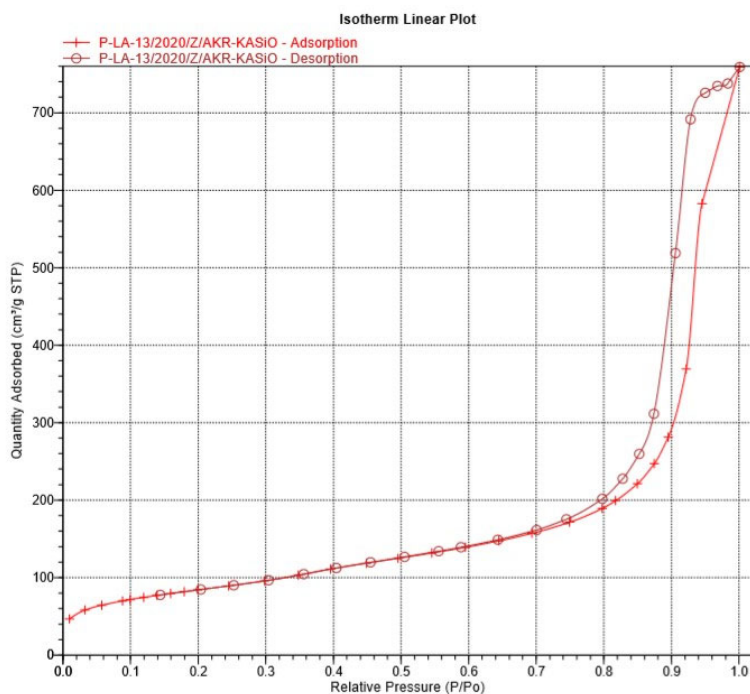


Fig. S1 Nitrogen adsorption/desorption curves for @SiO₂.

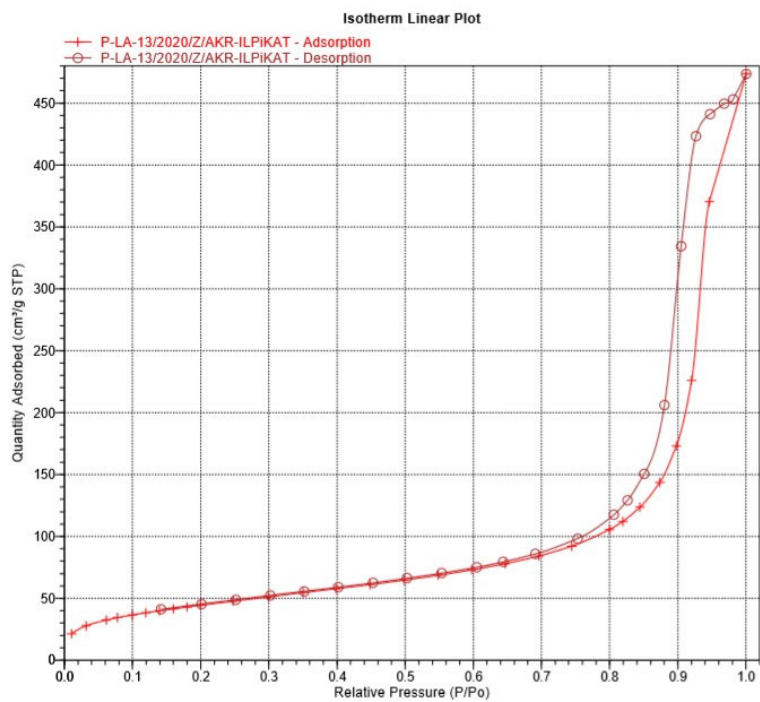


Fig. S2 Nitrogen adsorption/desorption curves for [mtespim]Cl/@SiO₂.

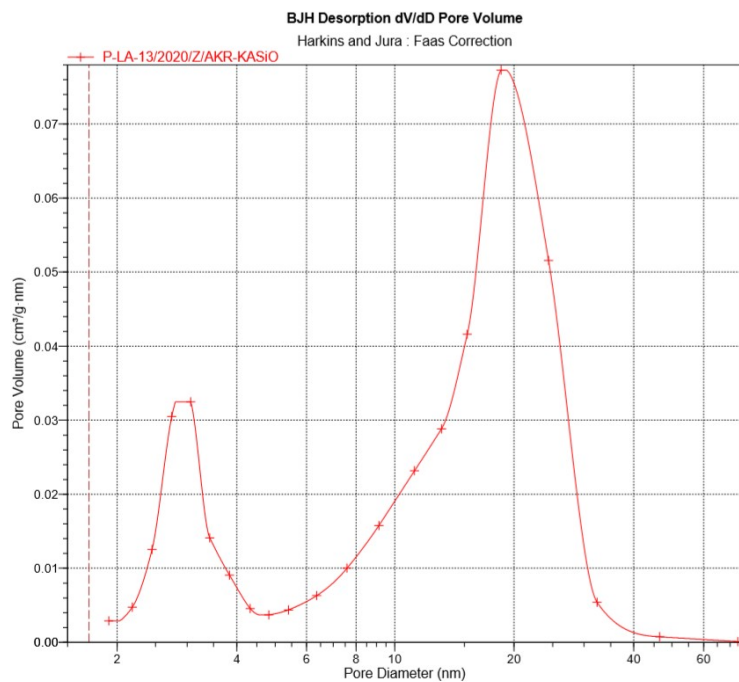


Fig. S3 Pore size distribution for @SiO₂.

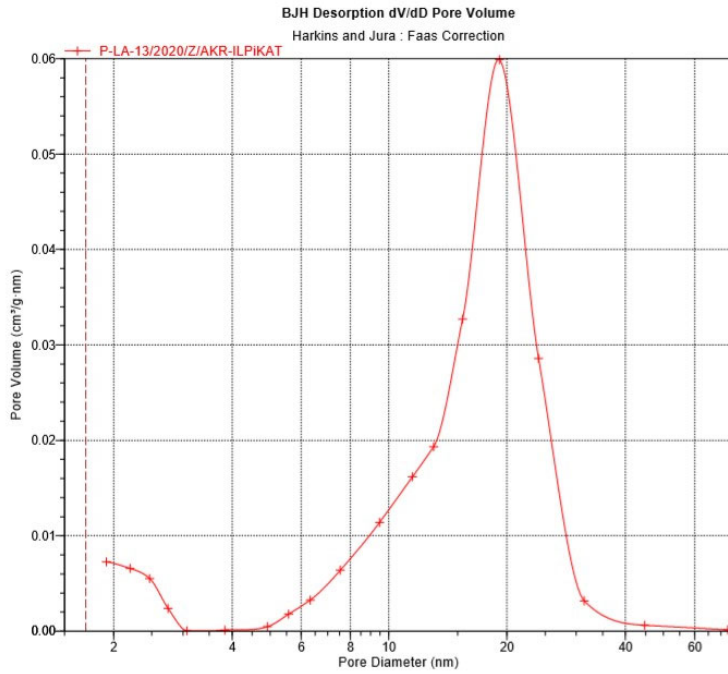


Fig. S4 Pore size distribution for [mtespim]Cl/@SiO₂.

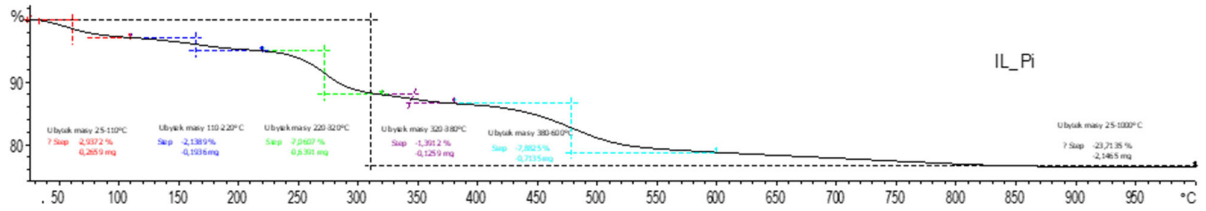


Fig. S5 TGA curve for fresh [mtespim]Cl/@SiO₂.

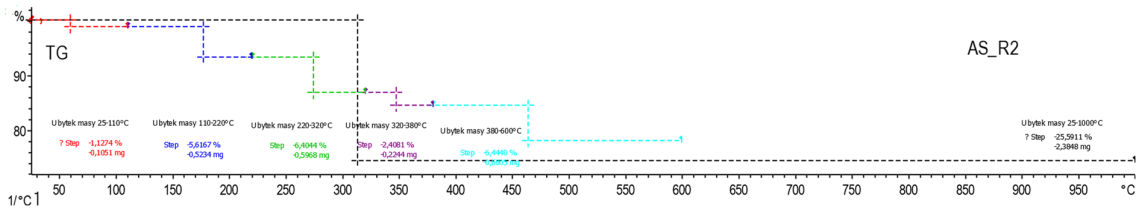


Fig. S6 TGA curve for [mtespim]Cl/@SiO₂ after the third cycle.

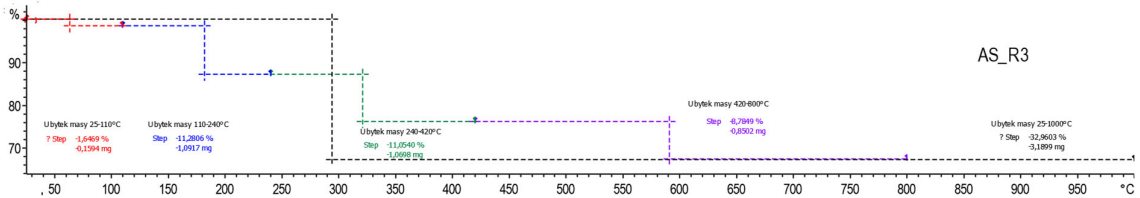


Fig. S7 TGA curve for [mtespim]Cl/@SiO₂ after the fourth cycle.