Electronic Supplementary Material (ESI) for New Journal of Chemistry.

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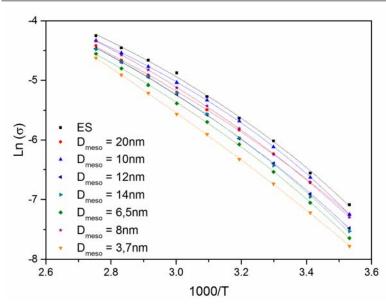
## **Supplementary information**

<u>to</u>

## MS: "Enhancement of Lithium Transport by Controlling the Mesoporosity of Silica Monoliths filled by Ionic Liquids"

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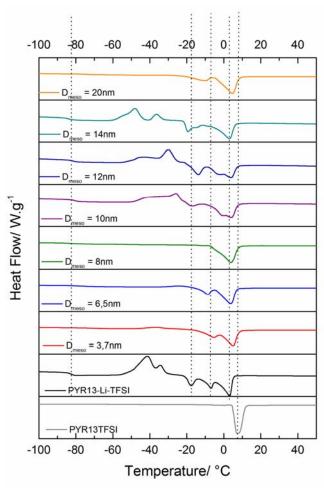
## <u>S.I. 1</u>



 ${\sf S.I.\,1\ VTF\ fittings\ of\ the\ conductivity\ for\ neat\ ES\ and\ confined\ in\ different\ silica\ monoliths}.$ 

## S.I. 2: DSC measurements

Before DSC measurements (Q20 calorimeter, TA Instrument), samples were dried at 50°C under vacuum for 24h and sealed in hermetic aluminium pans. Samples were then quenched to -150°C at 20 °C.min<sup>-1</sup> and heated from -150 to +100°C at 10 °C.min<sup>-1</sup> after having reached thermal equilibrium. Data were analysed with TA Universal Analysis software.



S.I. 2 DSC of Pyr13 TFSI, neat ES and confined in different silica monoliths.