## Supplementary information

**Manuscript:** Compressed  $CO_2$  as a new method for the in situ functionalization of mesoporous silica with hyperbranched polymers

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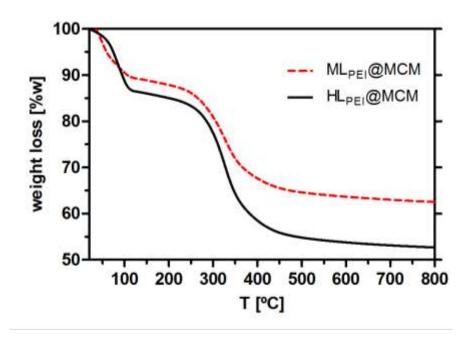


Figure S1: TGA curves for ML<sub>PEI</sub>@MCM and HL<sub>PEI</sub>@MCM.

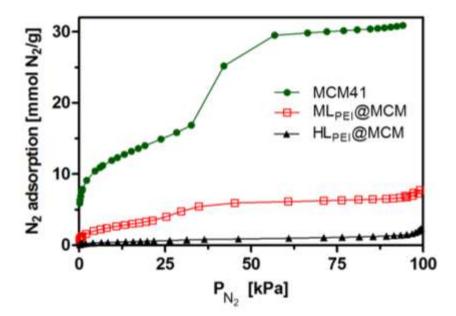


Figure S2: N<sub>2</sub> adsorption isotherms for