

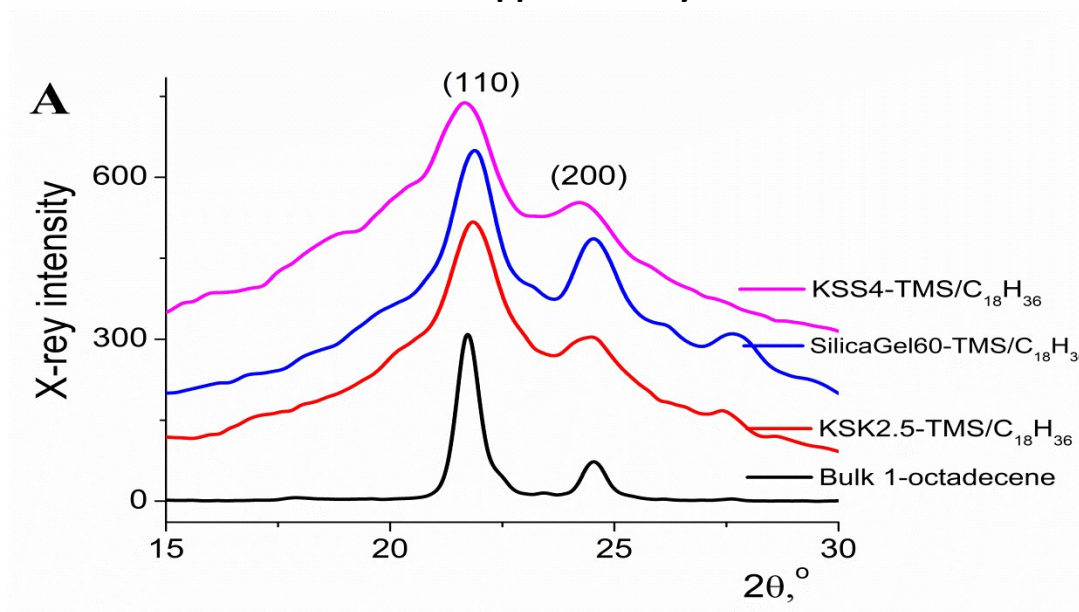
Nanocrystallite-liquid phase transition in porous matrices with chemically functionalized surface

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Electronic supplementary information



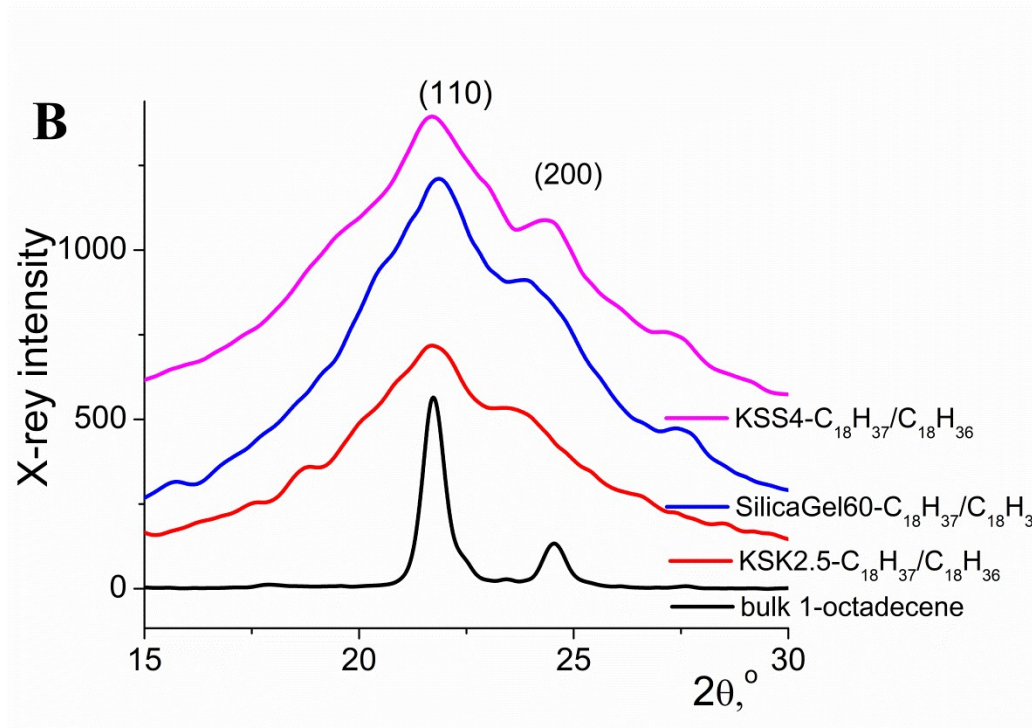
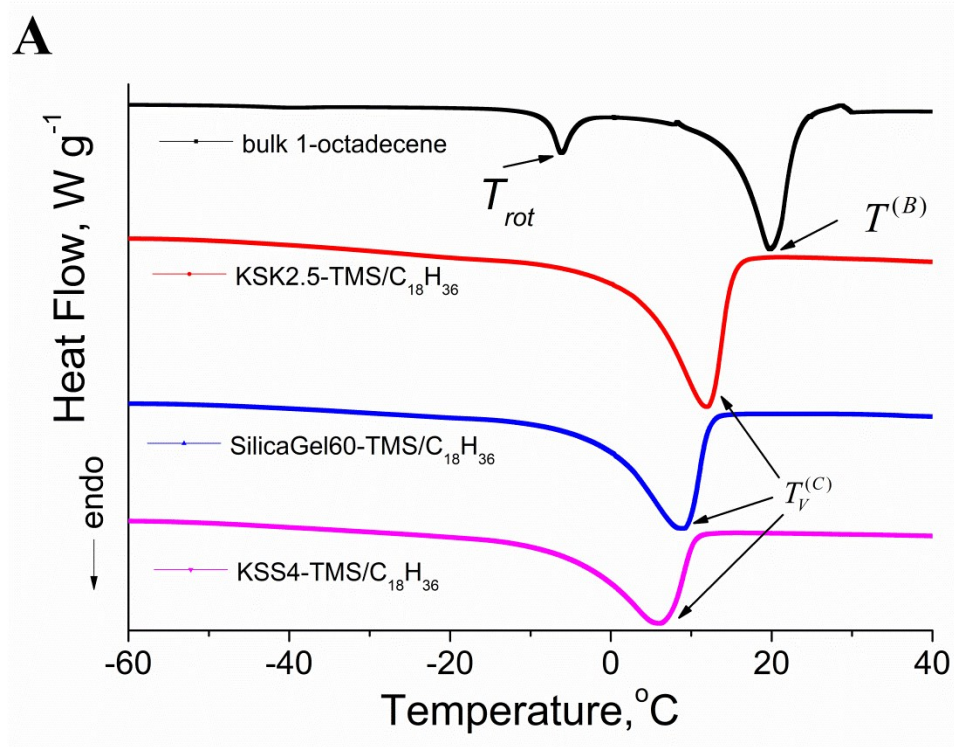


Fig. S1. Powder XRD patterns, recorded at -130 °C

[A] Bulk $C_{18}H_{36}$ and nanocomposites SiO_2 -TMS/ $C_{18}H_{36}$.

[B] Bulk $C_{18}H_{36}$ and nanocomposites SiO_2 - $C_{18}H_{37}/C_{18}H_{36}$.



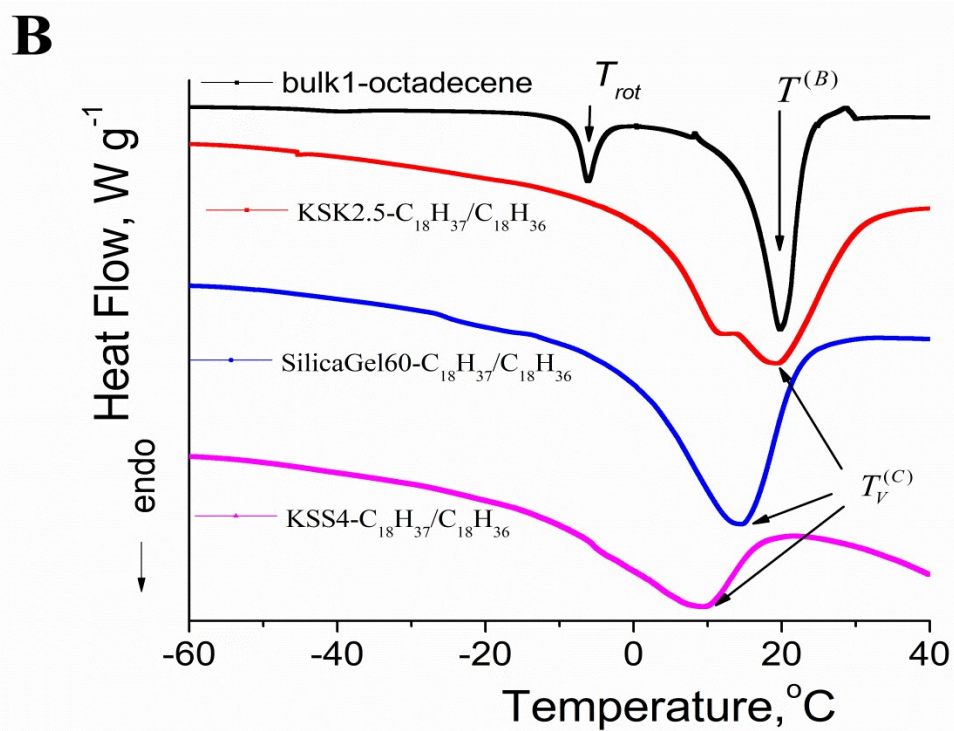


Fig. S2. Temperature dependences of the heat flow

[A] Bulk $\text{C}_{18}\text{H}_{36}$ and nanocomposites $\text{SiO}_2\text{-TMS}/\text{C}_{18}\text{H}_{36}$.

[B] Bulk $\text{C}_{18}\text{H}_{36}$ and nanocomposites $\text{SiO}_2\text{-C}_{18}\text{H}_{37}/\text{C}_{18}\text{H}_{36}$.