

Exceptional Performance of Sulfonic Acid-Incorporated-MCM-41 Mesoporous Materials Prepared using a Silane Containing Polysulfide Linkages in the Acetylation of Anisole

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Electronic Supplementary Information

Fig. S1. Adsorption-desorption isotherms of nitrogen on TESPT-x-MCM and MP TES-x-MCM catalysts.

Fig. S2. ^{13}C NMR spectra of the TESPT-20-MCM (A) before oxidation (δ = 9.81, 16.6, 28.72, 52.48 ppm) and (B) after oxidation (δ = 9.81, 17.09, 52.96 ppm).

Fig. S3. ^{29}Si MAS NMR spectra of (A) TESTP-30-MCM (δ = -111, -102, -66, -59 ppm) and (B) MP TES-30-MCM (δ = -111, -102, -66, -59 ppm) catalysts.

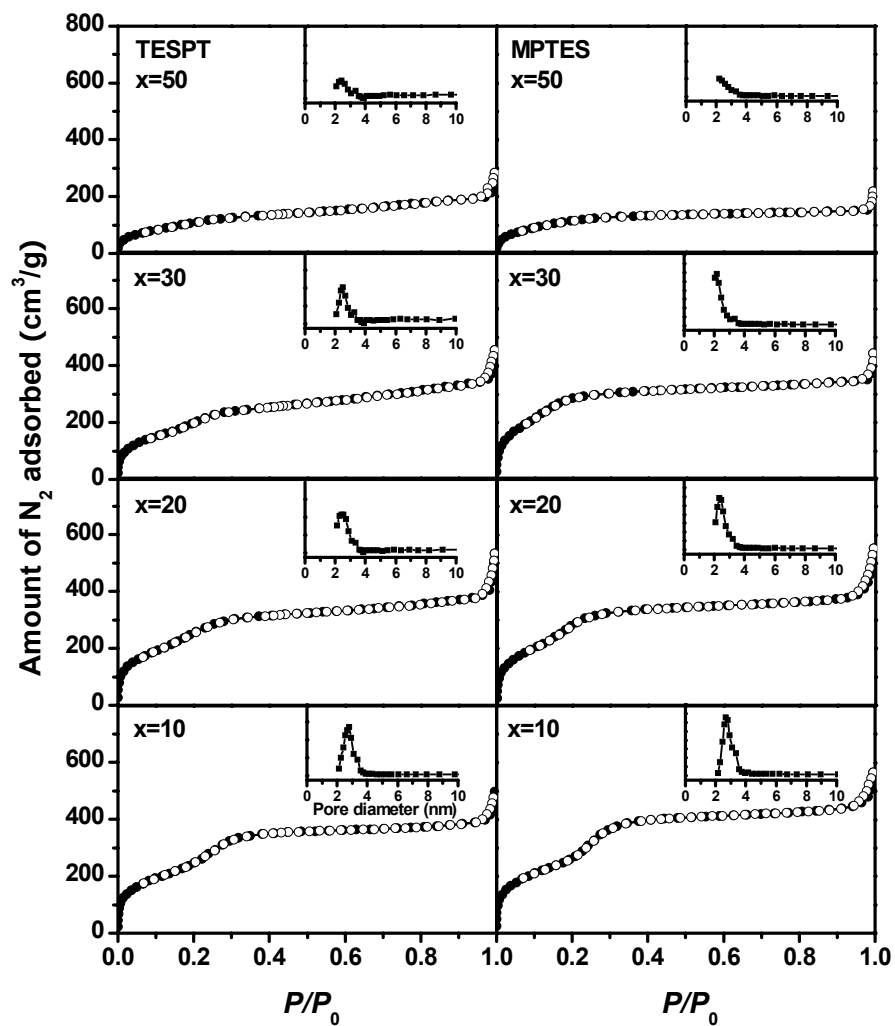


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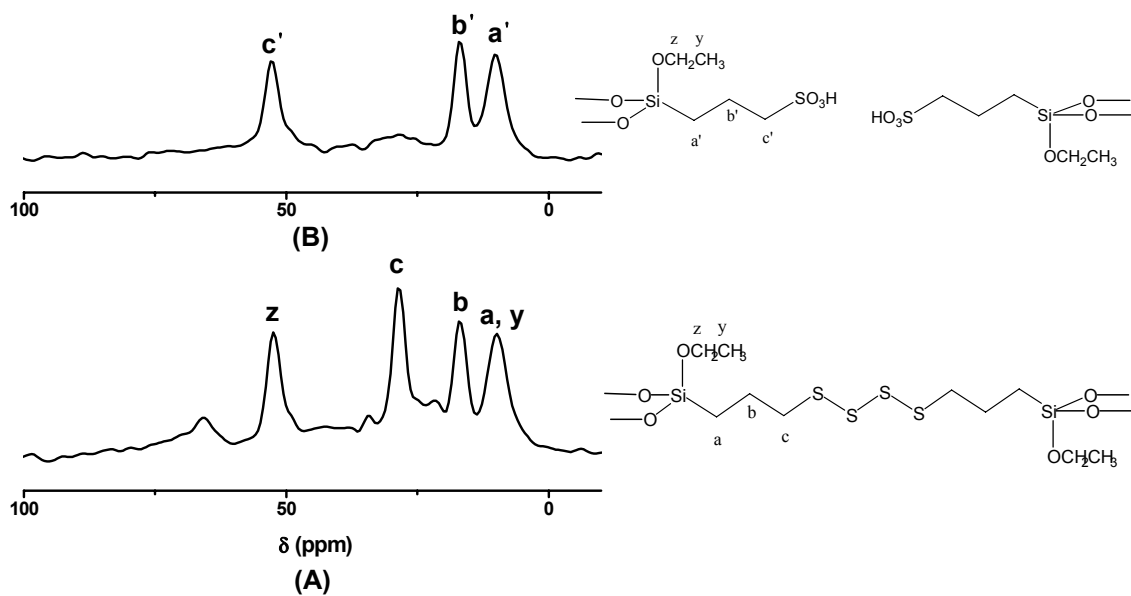


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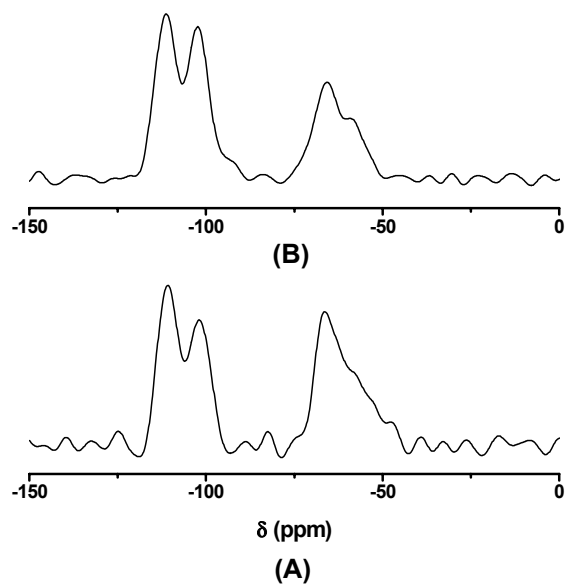


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