

Synthesis of nanoporous silica hydrogel and its application to bioindustry

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In this study, nanoporous silica hydrogel were synthesized via the salt route and then obtained hydrogel was dried by different drying method. the pore morphology in silica were characterized by TGA, BET, SEM. Finally the possibility of nanoporous silica to apply in bio industry were investigated such as filler for chromatography, biocatalyst support and filler for protein separation.