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Mesostructured silica studied

by silicon filtered reverse cross-polarization solid state NMR

<u>Guillaume LAURENT</u>, Niki BACCILE, Jocelyne MAQUET, Christian BONHOMME and Florence BABONNEAU

Laboratoire de Chimie de la Matière Condensée de Paris, CNRS-UMR-7574, Université Pierre et Marie Curie, Paris



Nano-organised silica powders, prepared from self-assembly of surfactants and siliceous species, have done their breakthrough in the early '90s and, ever since, the interest of the material's community is growing continuously because of the extreme versatility of the process and the important number of possible applications achievable. Despite numerous contributions to the subject, some basic information concerning interactions at organic/inorganic interface has not been clarified yet. This poster will try to show how some advanced solid state NMR experiences can contribute to give more insights to some structural problems at the silica/surfactant interface and host-guest interactions between silica and embedded molecules.







