

# Accepted Manuscript

Engineering of silica-supported platinum catalysts with hierarchical porosity combining latex synthesis, sonochemistry and sol-gel process – I. Material preparation

Andrés Felipe Sierra Salazar, Tony Chave, André Ayrál, Sergey I. Nikitenko, Vasile Hulea, Patricia J. Kooyman, Frans D. Tichelaar, Siglinda Perathoner, Patrick Lacroix-Desmazes

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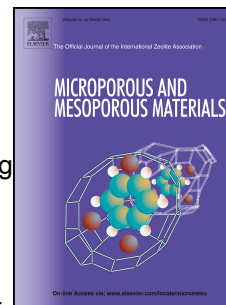
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Emulsion  
polymerisation



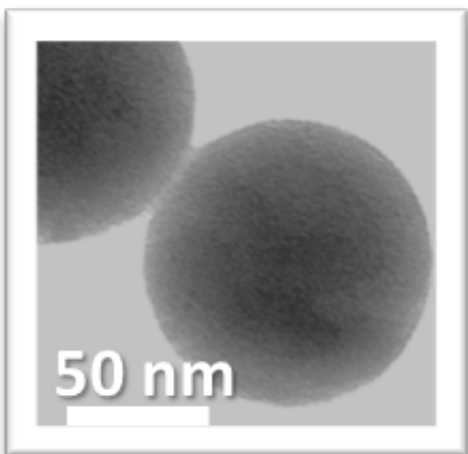
Sonochemistry



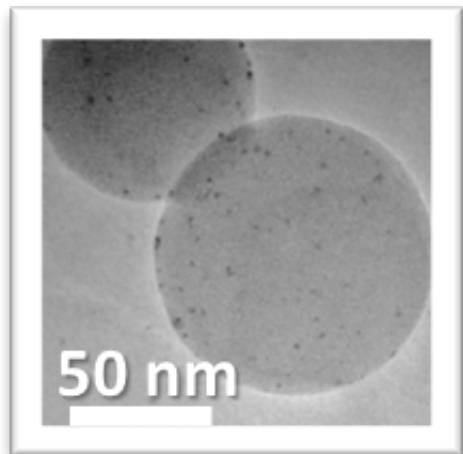
Sol-gel process



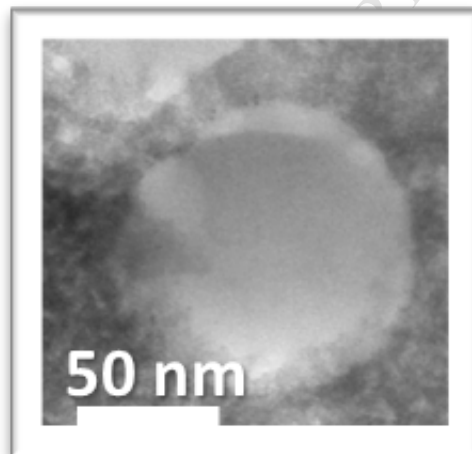
Calcination



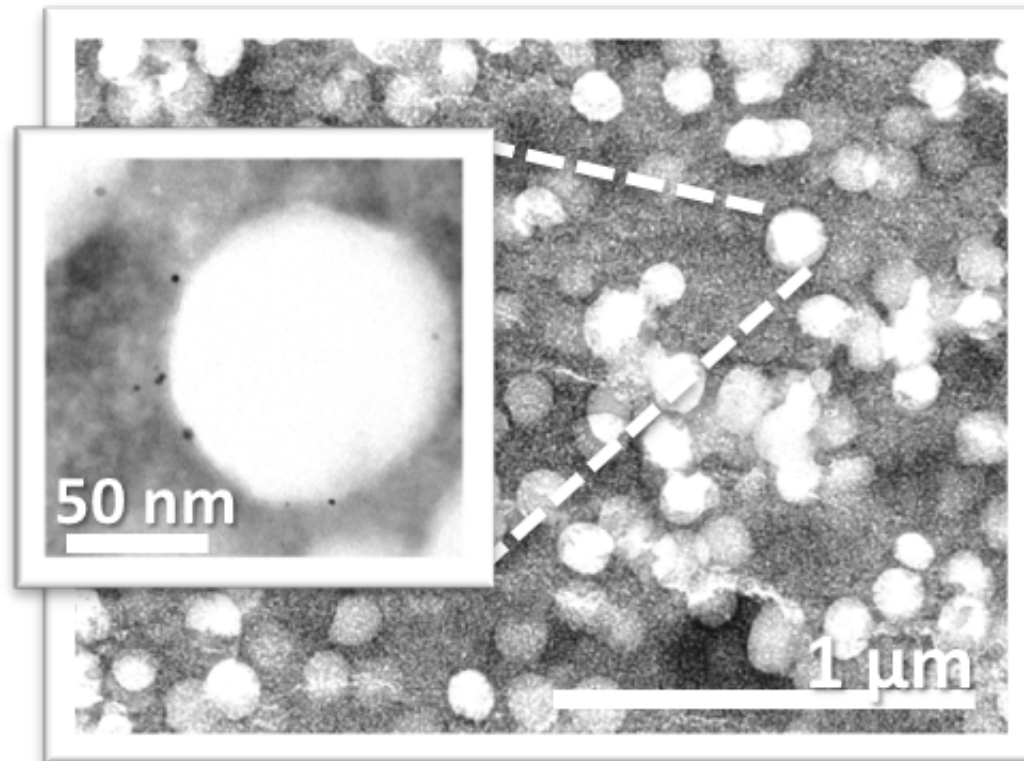
Polystyrene latex



Pt decorated latex



Silica + template



Hierarchically porous silica matrix  
decorated with Pt NPs

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