

Electronic Supplementary Information:

Hierarchical Mesoporous SrCO₃ Submicron Spheres Derived from Reaction-Limited Aggregation Induced “Rod-to-Dumbbell-to-Sphere” Self-Assembly

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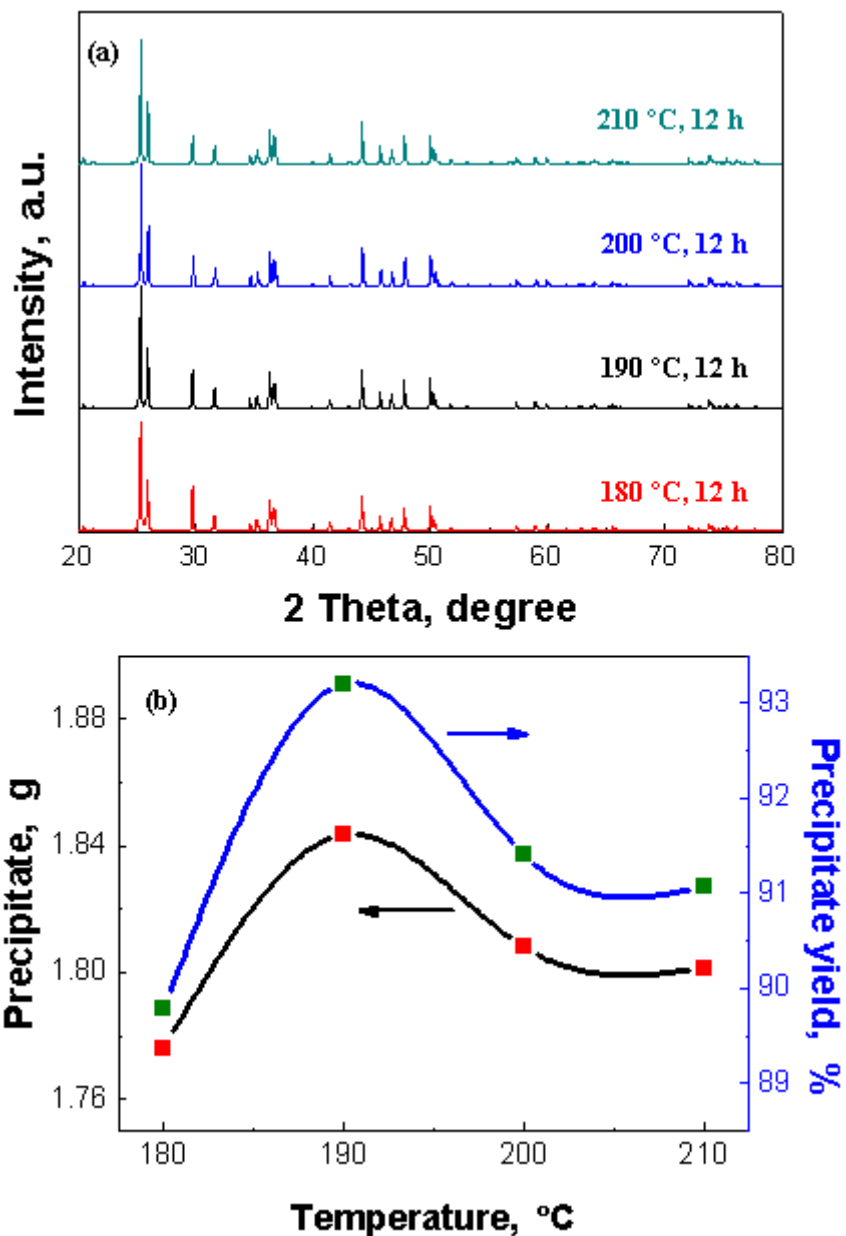


Figure S1. Variation of the crystallinity (a), precipitate and precipitate yield (b) of the hydrothermal product with the hydrothermal temperature.

SrCl₂:Na₂CO₃=1:2.01; EDTA disodium salt :Na₂CO₃ =5:100; MgCl₂:Na₂CO₃ =5:100; temperature (°C): 190; time (h): 12.0.

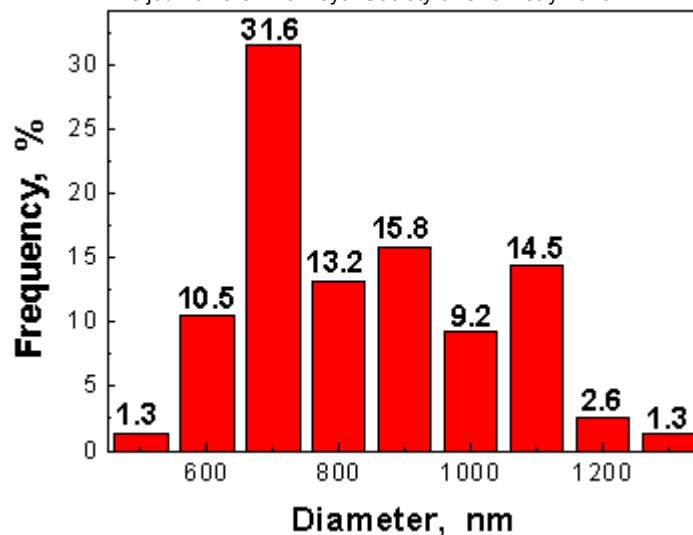


Figure S2. Size distribution of the mesoporous SrCO₃ submicron spheres. SrCl₂:Na₂CO₃=1.1:1; EDTA disodium salt :Na₂CO₃ =5:100; MgCl₂:Na₂CO₃ =5:100; temperature (°C): 190; time (h): 12.0.

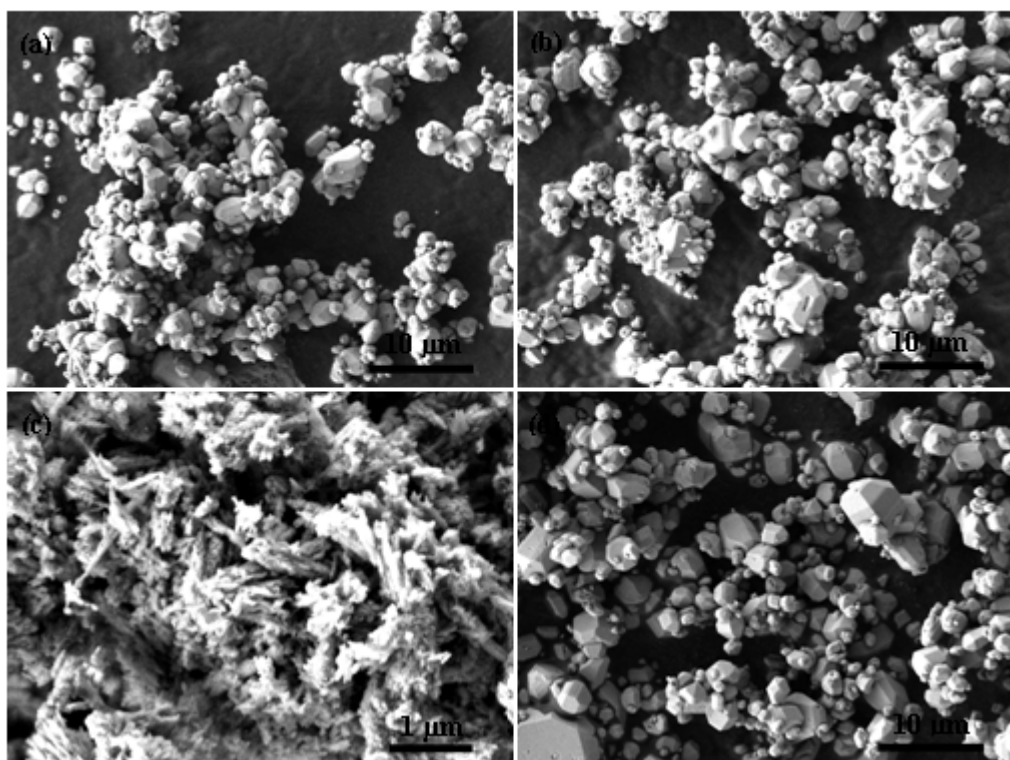


Figure S3. Effect of the additives on the morphology of the hydrothermally treated SrCO₃ particles. (a) EDTA disodium salt :Na₂CO₃ =0:100, MgCl₂:Na₂CO₃=0:100; (b) EDTA disodium salt :Na₂CO₃ =5:100, MgCl₂:Na₂CO₃ =0:100; (c) MgCl₂:Na₂CO₃ =5:100, EDTA disodium salt :Na₂CO₃ =0:100; (d) CTAB:Na₂CO₃ =5:100, MgCl₂:Na₂CO₃ =5:100. SrCl₂:Na₂CO₃=1.1:1; temperature (°C): 190; time (h): 12.0.