colloids and interfaces

MDPI

Supplementary Material

Synthesis and Characterization of Hybrid Particles Obtained in a One Pot Process through Simultaneous Sol-Gel Reaction of (3-Mercaptopropyl)-trimethoxysilane and Emulsion Polymerization of Styrene

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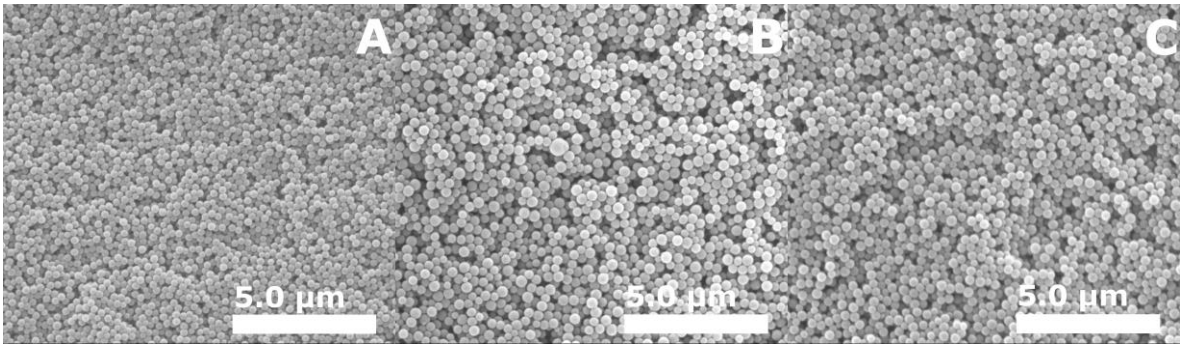

Figure S1. (A-C) SEM images of hybrid particles obtained at a volume ratio of MPTMS:styrene of 1:99 in three independent synthesis experiments.

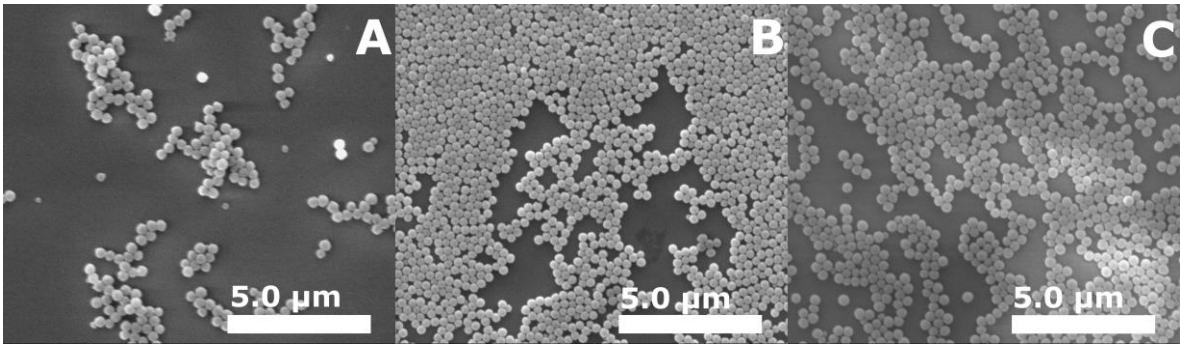

Figure S2. (A-C) SEM images of hybrid particles obtained at a volume ratio of MPTMS:styrene of 20:80 in three independent synthesis experiments.

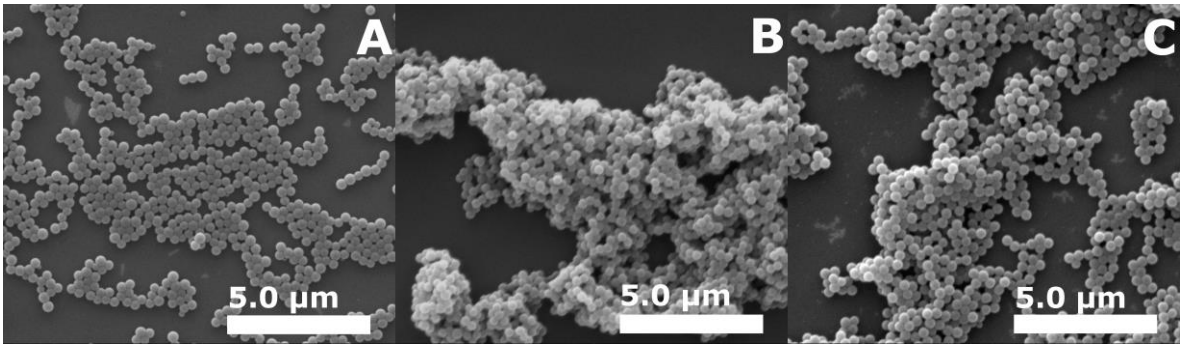

Figure S3. (A-C) SEM images of hybrid particles obtained at a volume ratio of MPTMS:styrene of 50:50 in three independent synthesis experiments.

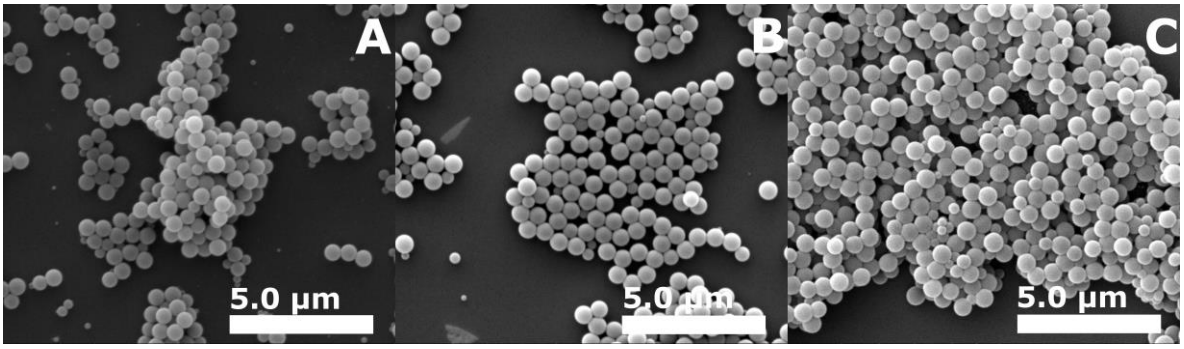

Figure S4. (A-C) SEM images of hybrid particles obtained at a volume ratio of MPTMS:styrene of 80:20 in three independent synthesis experiments.

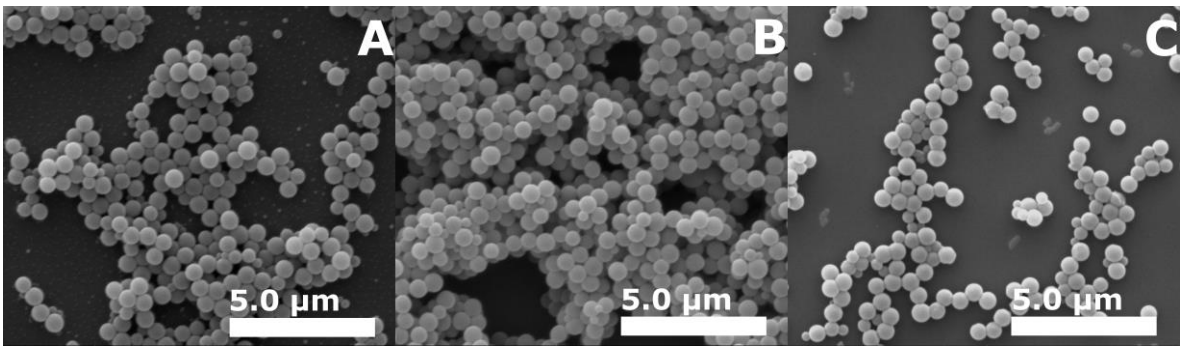

Figure S5. (A-C) SEM images of hybrid particles obtained at a volume ratio of MPTMS:styrene of 100:0 in three independent synthesis experiments.

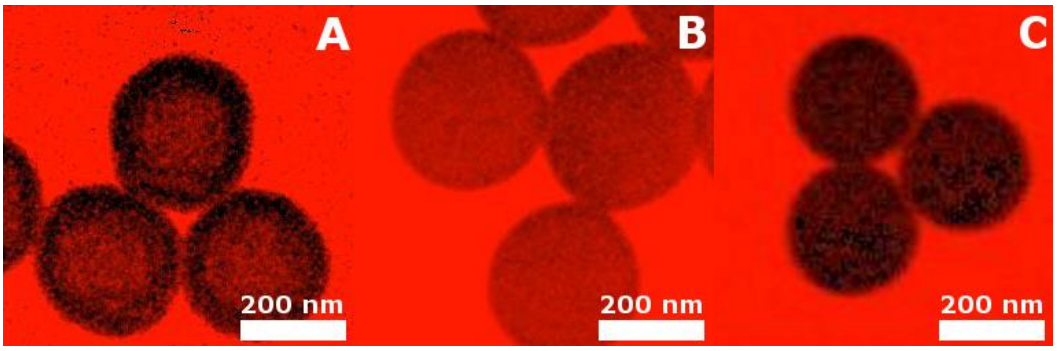

Figure S6. STEM-EDS mappings displaying the distribution of carbon in hybrid particles obtained at a ratio of MPTMS:styrene of (A) 20:80, (B) 50:50 and (C) 80:20. The background substrate used for these samples consist of 100% carbon.

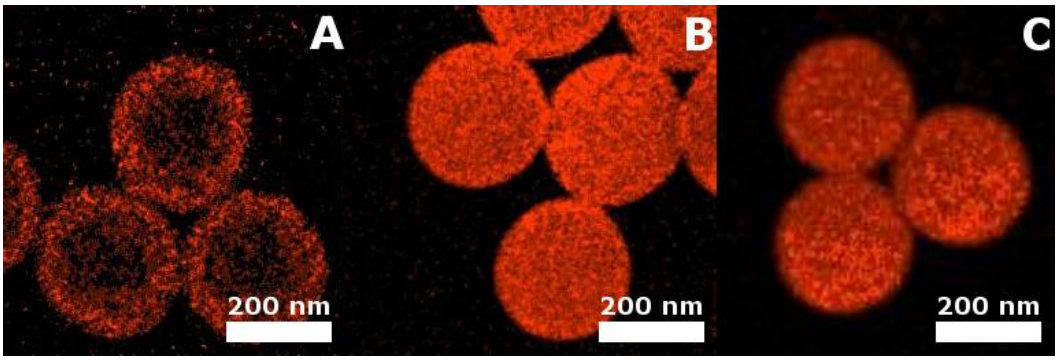

Figure S7. STEM-EDS mappings displaying the distribution of oxygen in hybrid particles obtained at a ratio of MPTMS:styrene of (A) 20:80, (B) 50:50 and (C) 80:20.