

Hollow Al₂O₃ Spheres Prepared by a Simple and Tunable Hydrothermal Method

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Supporting Information

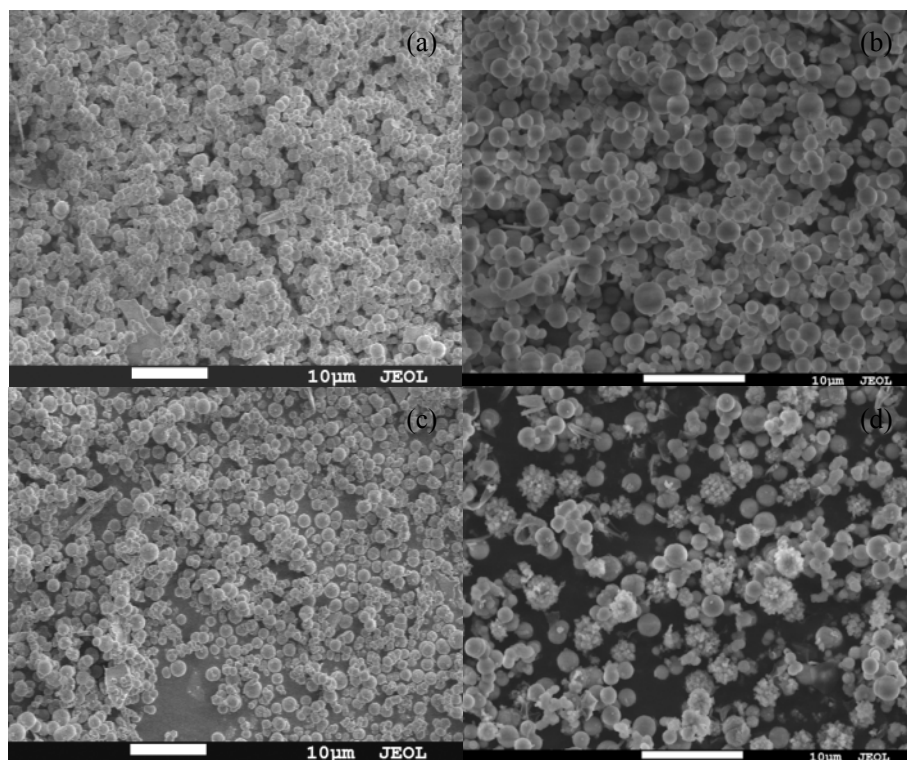


Figure S1. SEM images of the Al_2O_3 prepared with different hydrothermal temperature of (a) 140°C, (b) 160°C, (c) 170°C, and (d) 180°C.

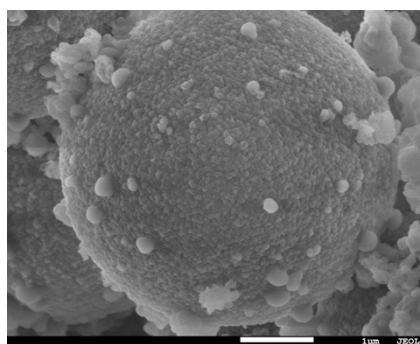


Figure S2. SEM images of the Al_2O_3 prepared using ethanol as additive.

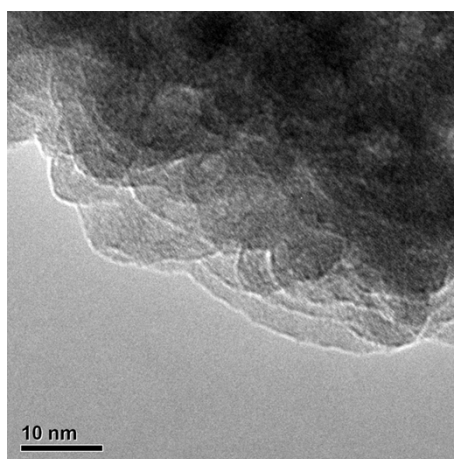


Figure S3. HRTEM images of the Al_2O_3 calcined at 550°C

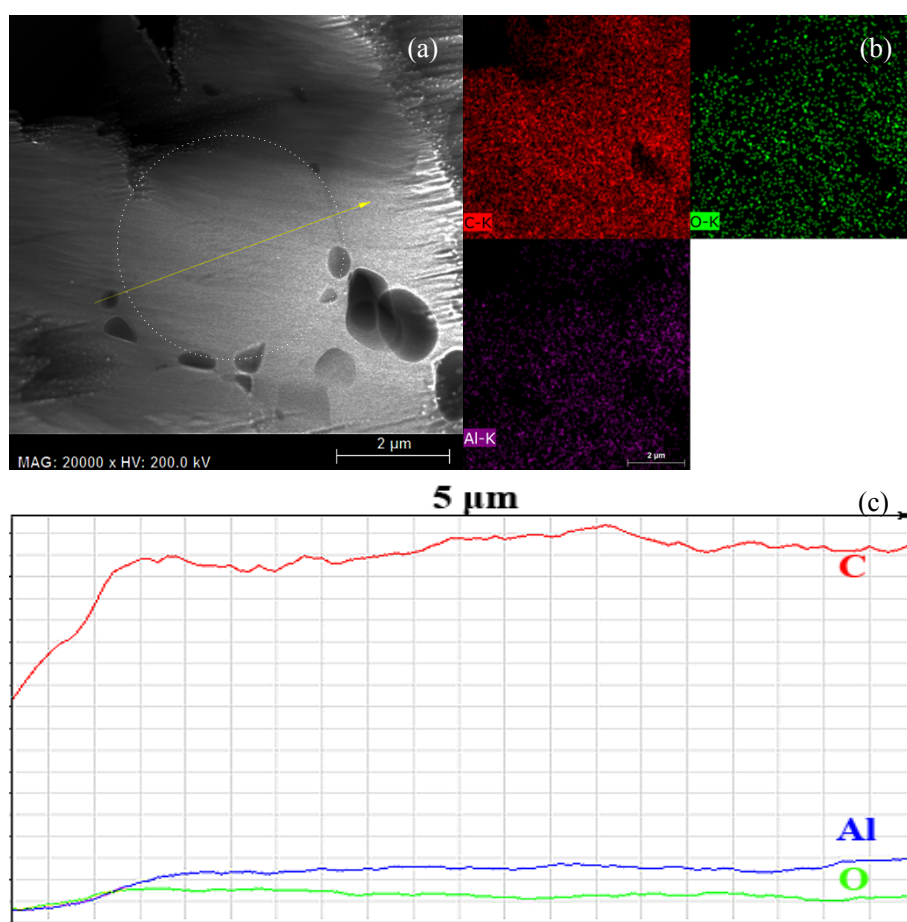


Figure S4. TEM images of (a) the ultramicrotomed precursor microsphere (the white dotted lines indicate the edge of the microsphere), corresponding (b) elemental area mapping and (c) elemental linear mapping of the cross-section.

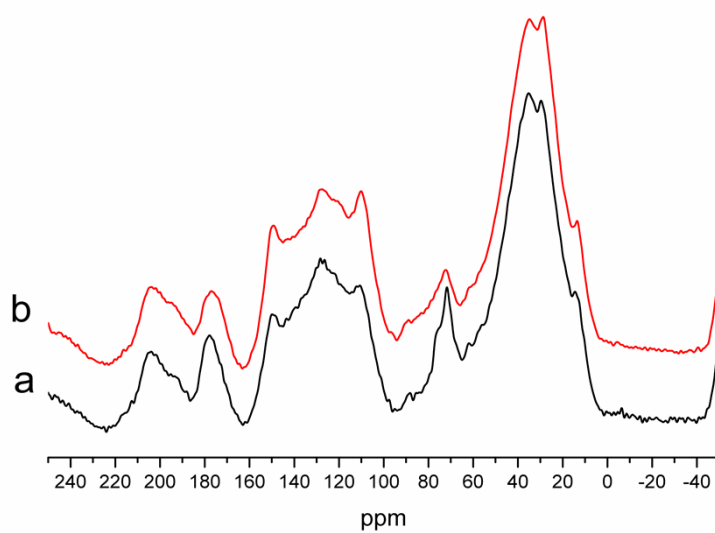


Figure S5. ^{13}C MAS NMR spectra obtained with MAS spin rate at 10.5 kHz of the (a) carbon spheres, and (b) precursor.