

Electronic Supplementary Information

Improvement of boehmite nanoparticles aqueous dispersability by controlling their size, shape and crystallinity

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Figure 1S. Particle size distributions calculated from length measurements on TEM images.

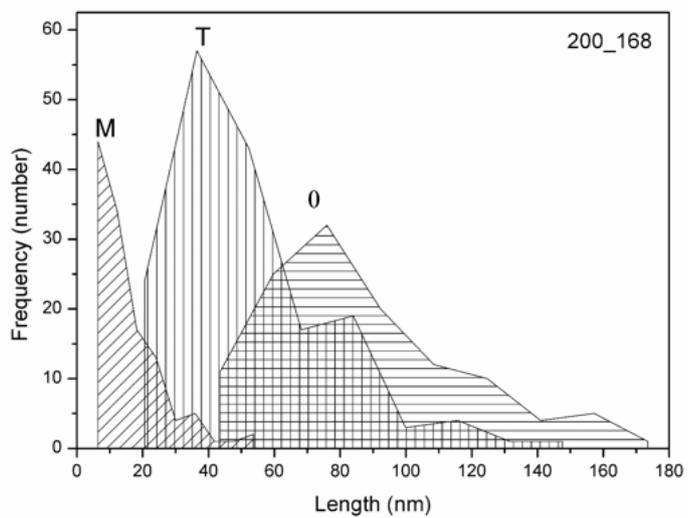
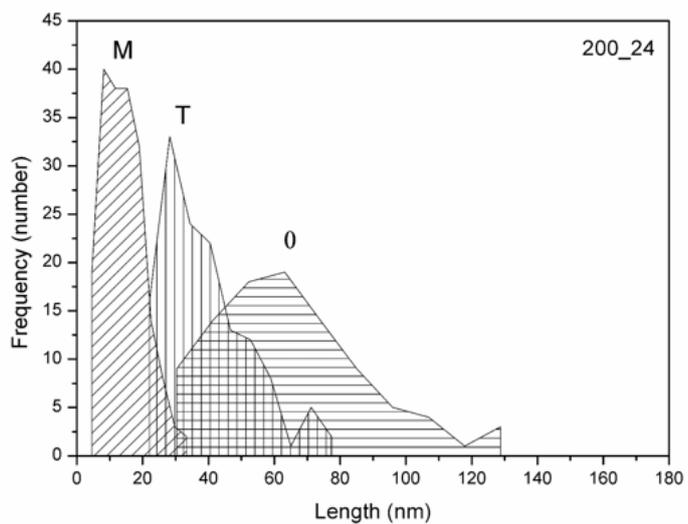
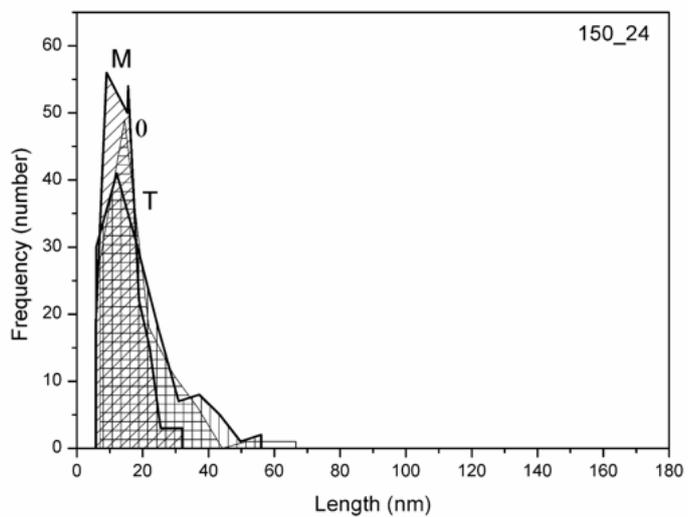


Figure 2S. Powder X-ray diffraction patterns of additive-free xerogel and hydrothermally treated sample 0-150-24. Boehmite reflections are indicated in brackets.

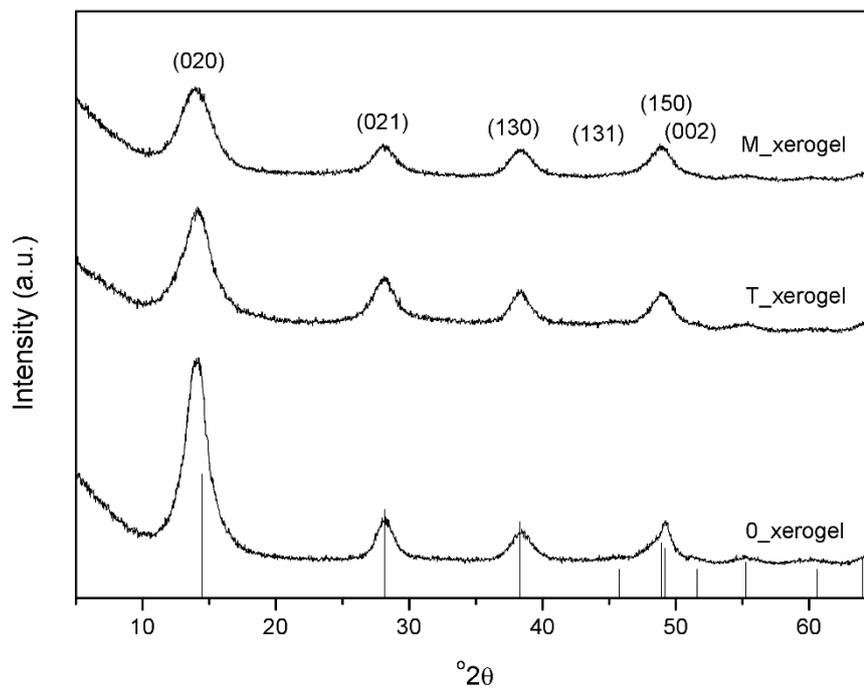


Figure 3S. XRD patterns for the set of samples prepared without additive. Boehmite reflections are indicated in brackets.

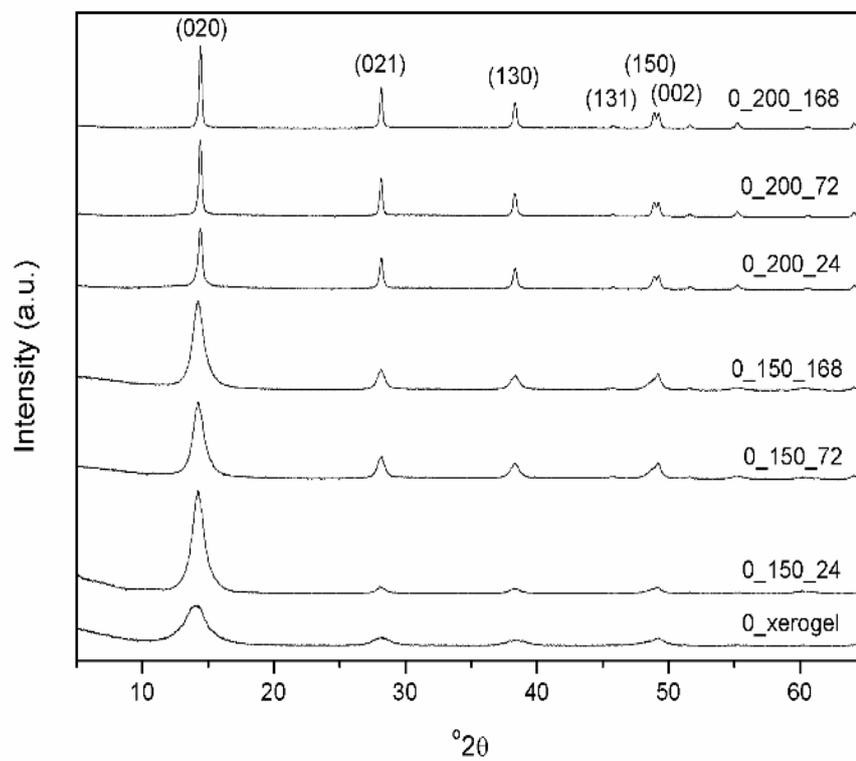


Figure 4S. XRD patterns for the set of samples prepared with tartaric acid. Boehmite reflections are indicated in brackets.

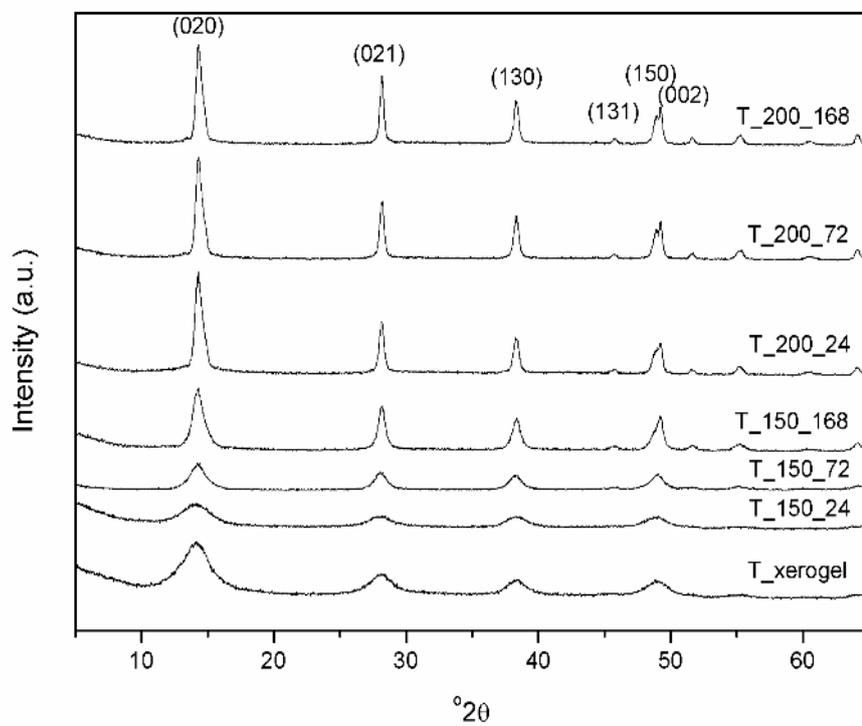


Figure 5S. XRD patterns for the set of samples prepared with maltitol. Boehmite reflections are indicated in brackets.

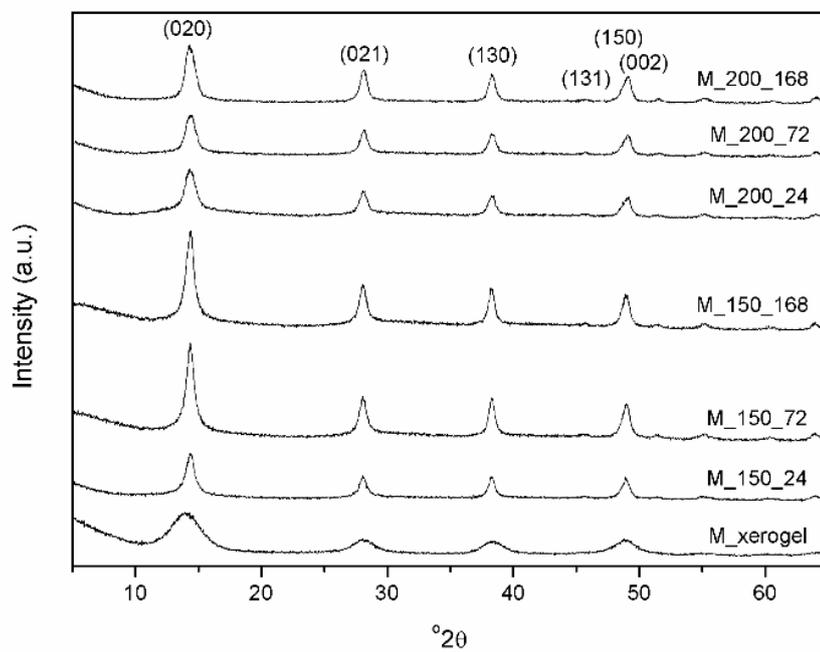


Figure 6S. HRTEM image

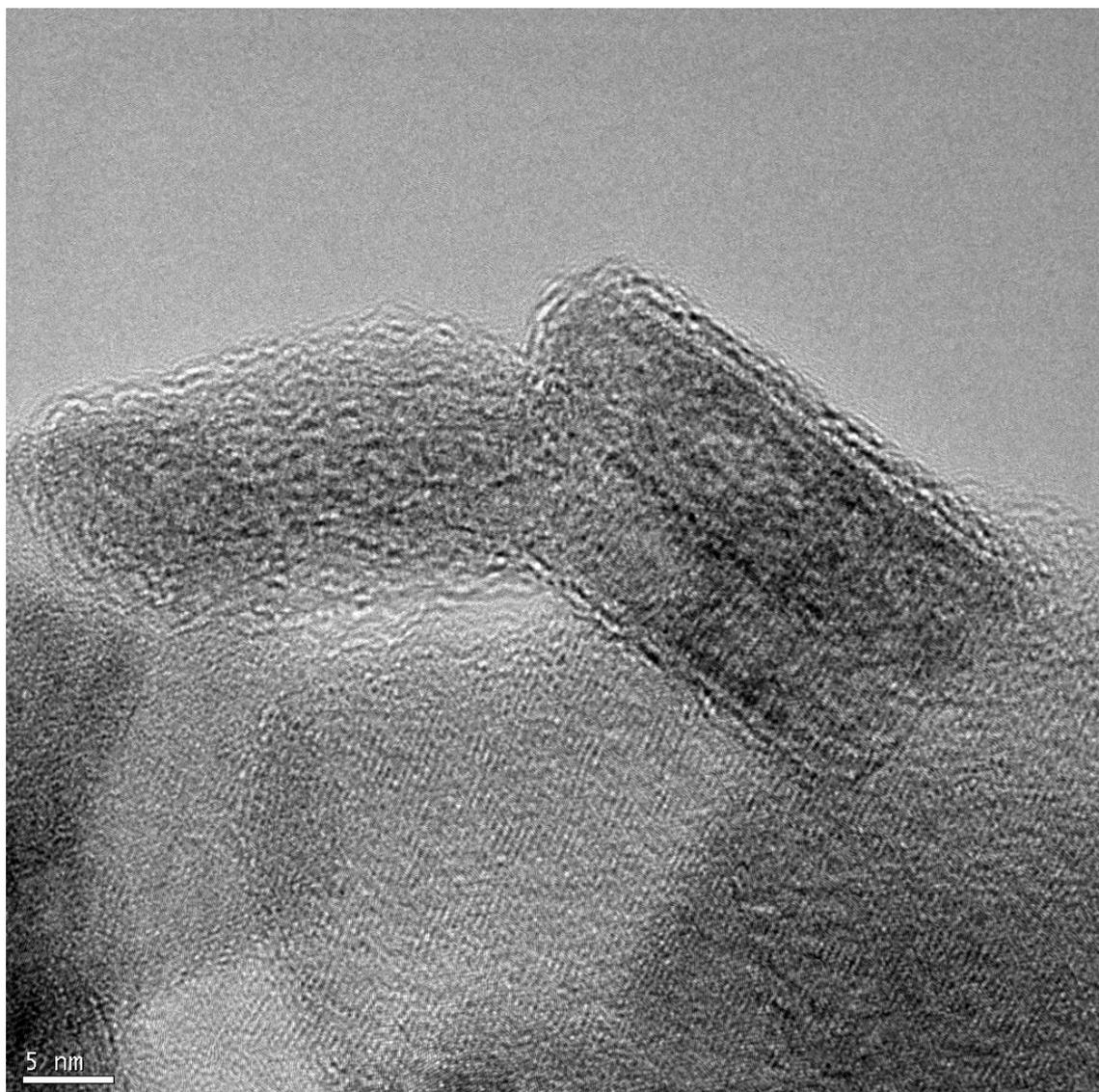


Figure 7S. Comparison of particle size distributions between additive-free samples treated at 150 °C for 24 h and 168 h (A) and at 200 °C for 24 h and 168 h (B) determined by DLS.

