

supplementary

Synthesis of Uniformly Sized $\text{Bi}_{0.5}\text{Sb}_{1.5}\text{Te}_{3.0}$ Nanoparticles via Mechanochemical Process and Wet-Milling for Reduced Thermal Conductivity

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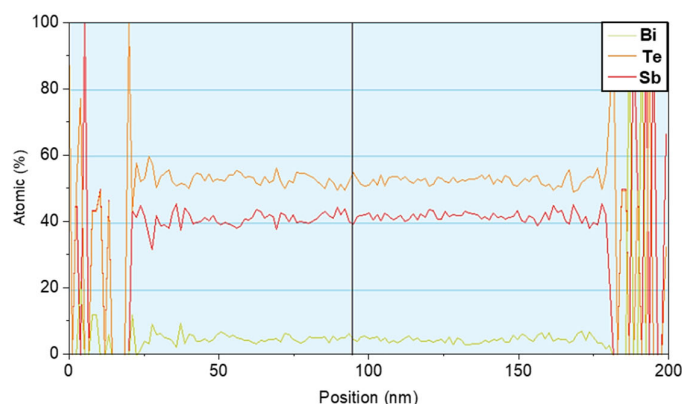


Figure 1. Line-scan profile in HR-TEM image of the as-synthesized BST NPs.

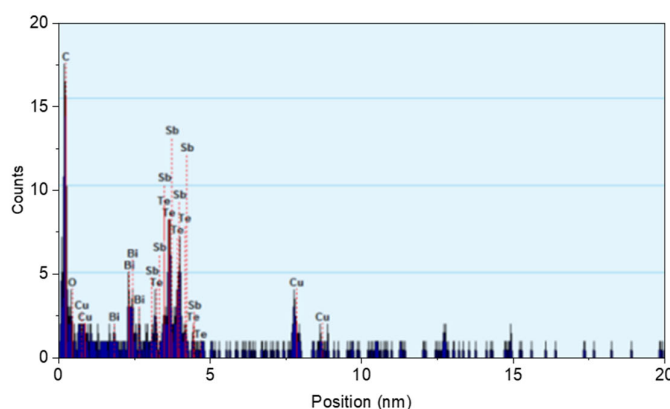


Figure 2. EDS spectra of the as-synthesized BST NPs.

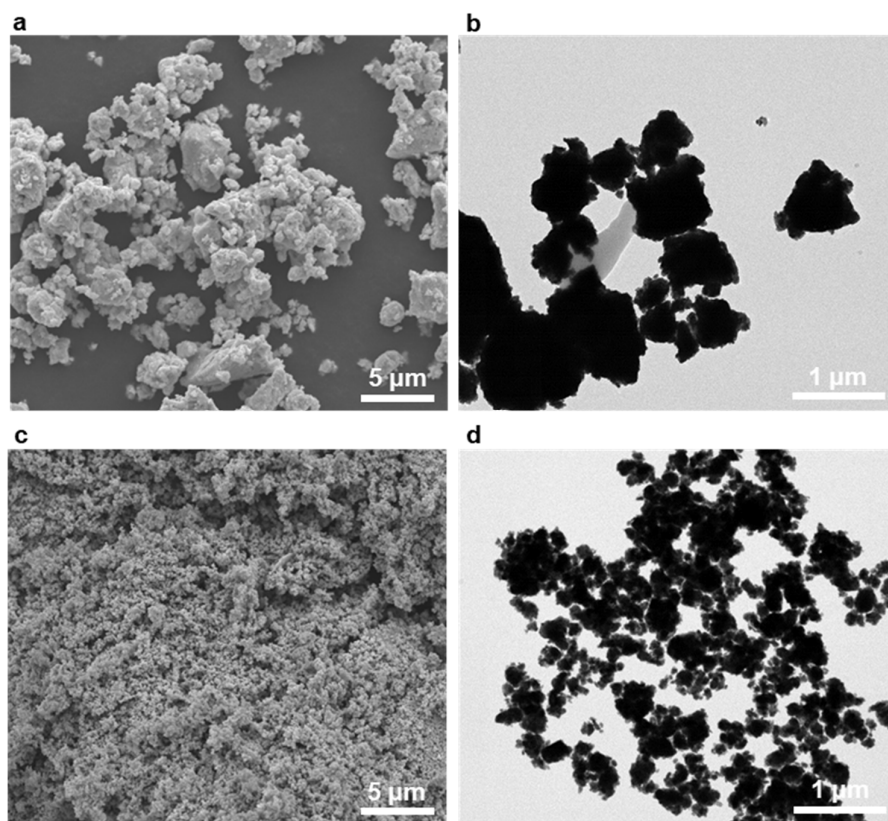


Figure 3. SEM and TEM images of (a,b) as-synthesized BST NPs and (c,d) post wet-milled BST NPs, respectively.

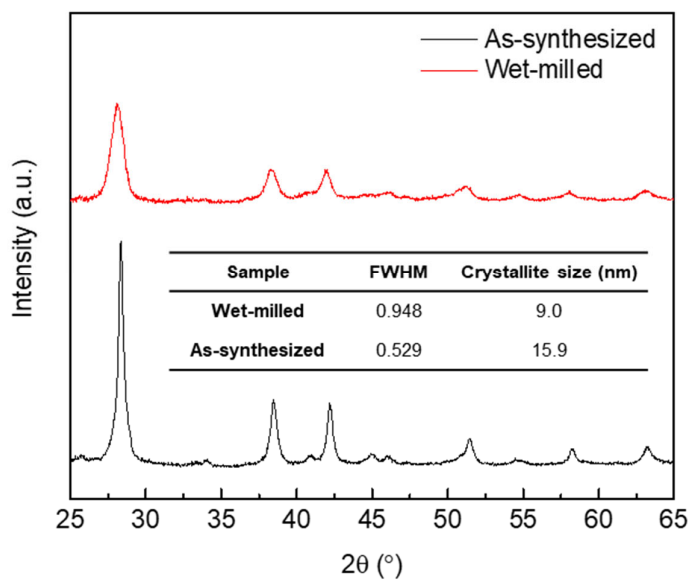


Figure 4. XRD patterns of as-synthesized BST NPs and post wet-milled BST NPs, respectively. Inset shows the full width at half maximum (FWHM) and crystallite size calculated from Scherrer equation.