SUPPORTING INFORMATION

Biomimetic and Aggregation-Driven Crystallization Route for Room-Temperature Material Synthesis: Growth of β-Ga_2O_3 Nanoparticles Using Peptide Assemblies as Nanoreactors

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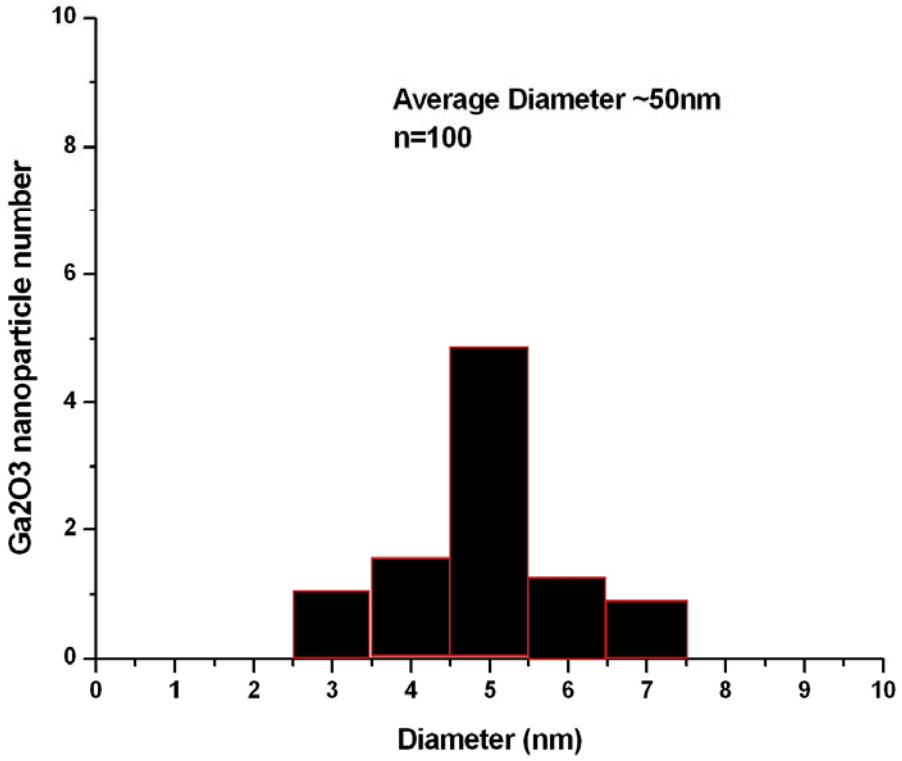
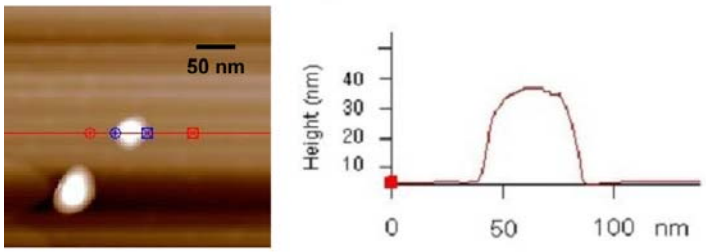
S-1.The size distribution of β-Ga_2O_3 nanoparticles. *The diameters of one hundred Ga_2O_3 nanoparticles were measured in TEM images and their size distribution is shown below.*



S-2 AFM image of β-Ga_2O_3 nanoparticles. *Height profile of the β-Ga_2O_3 nanoparticle was shown in AFM image.*



S-3 PL spectrum of β-Ga_2O_3. *This β-Ga_2O_3 nanoparticle had an emission at 389 nm, matching with photoluminescent (PL) of β-Ga_2O_3 nanowires.*