

# Controlled Synthesis of GaN@SiO<sub>2</sub> Particles in Preventing the Hydrolysis of GaN

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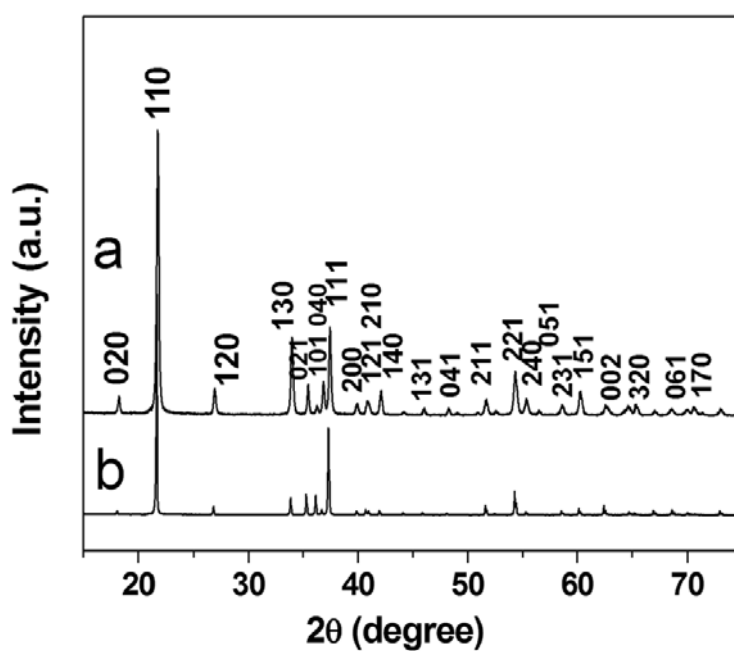


Figure S1. XRD patterns of the as-prepared GaOOH precursors: (a) GaOOH microrhombuses and (b) GaOOH microrods.

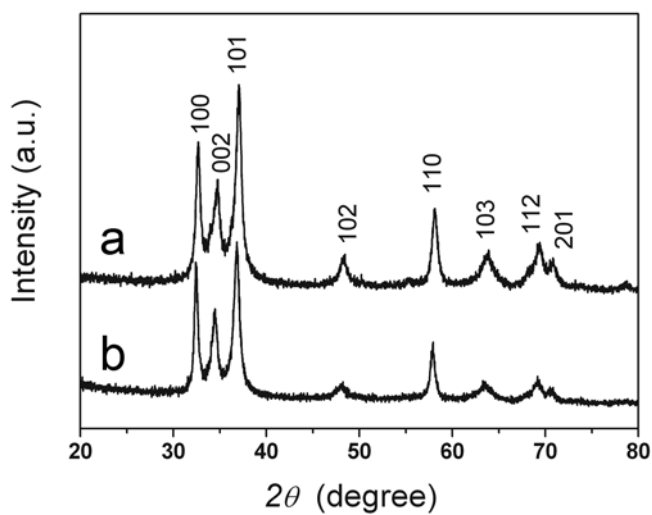


Figure S2. XRD patterns of the as-prepared GaN@SiO<sub>2</sub> products: (a) GaN@SiO<sub>2</sub> microrhombuses and (b) GaN@SiO<sub>2</sub> microrods.

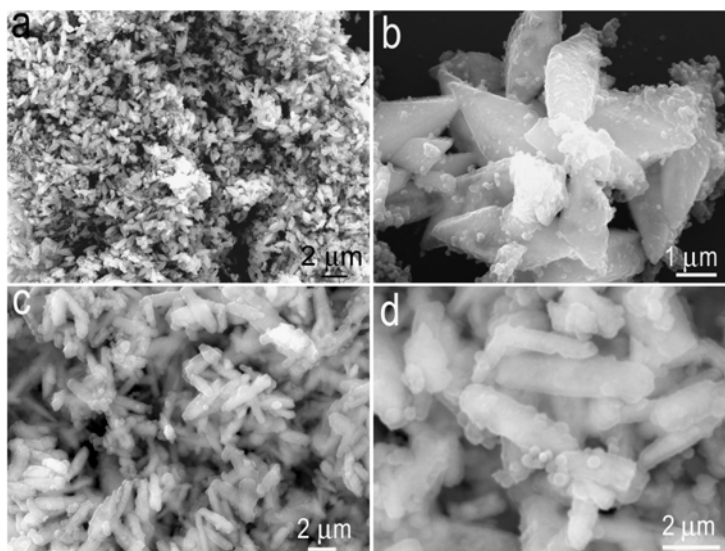


Figure S3. (a) Low magnification and (b) high magnification SEM images of GaN microrhombuses coated with silica, (c) low magnification, and (d) high magnification SEM images of GaN microrods coated with silica.