

Supporting Information:

Architecture control synthesis of flower-like In_2O_3 nanobundles with significantly enhanced ultraviolet scattering and ethanol sensing

Hsiang-Yu Lai, Tsung-Han Chen, Chun-Hua Chen*

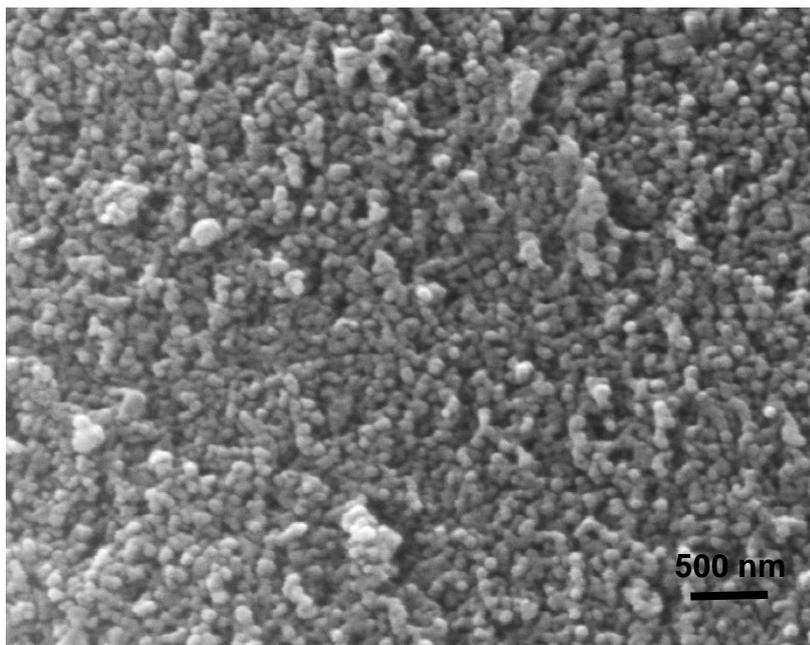


Figure S1. The FESEM image of In_2O_3 nanoparticles (~ 10 nm) synthesized by NH_4OH .

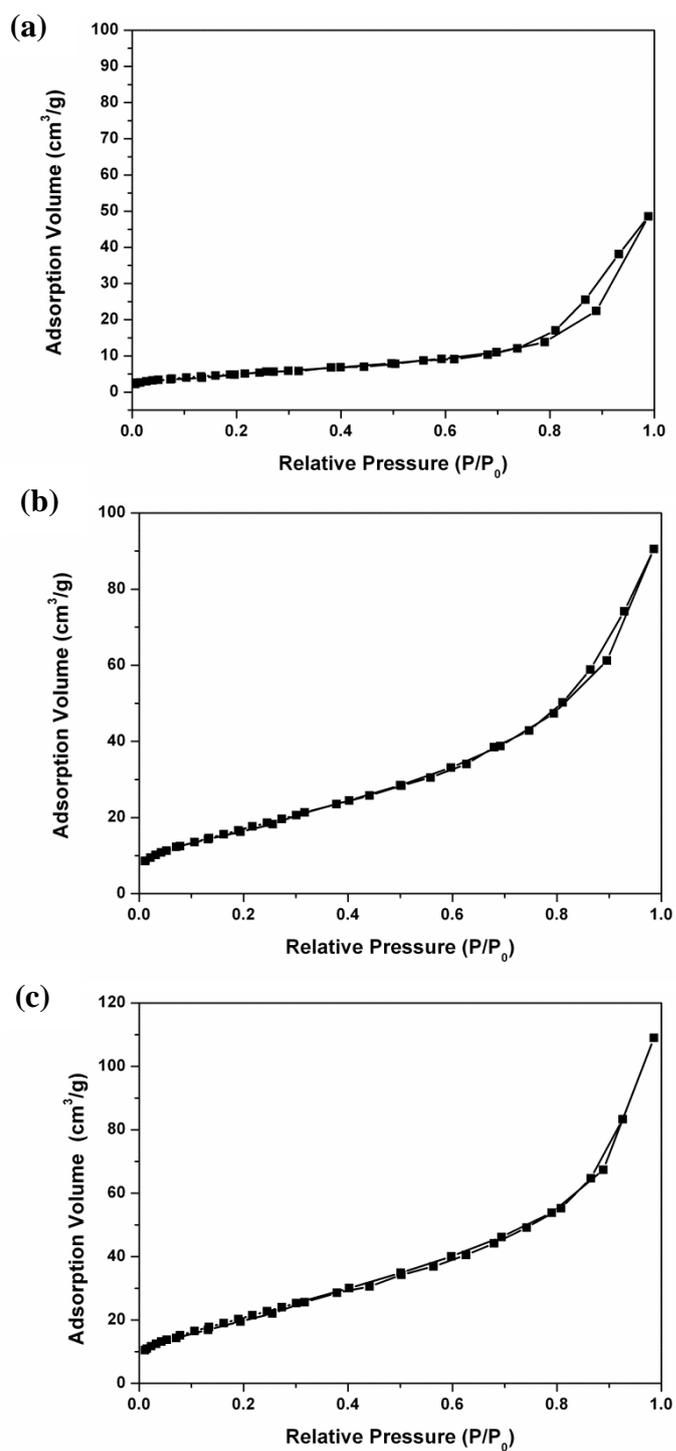


Figure S2. N_2 adsorption-desorption isotherms of (a) nanoparticles, (b) needle-like nanobundles, and (c) flower-like nanobundles.

The AFM images are in accordance with the SEM as well as TEM images, and most importantly, an extremely large difference in height can be observed indicating the 3-dimensional porous stacking of the prepared needle-like and flower-like NBs.

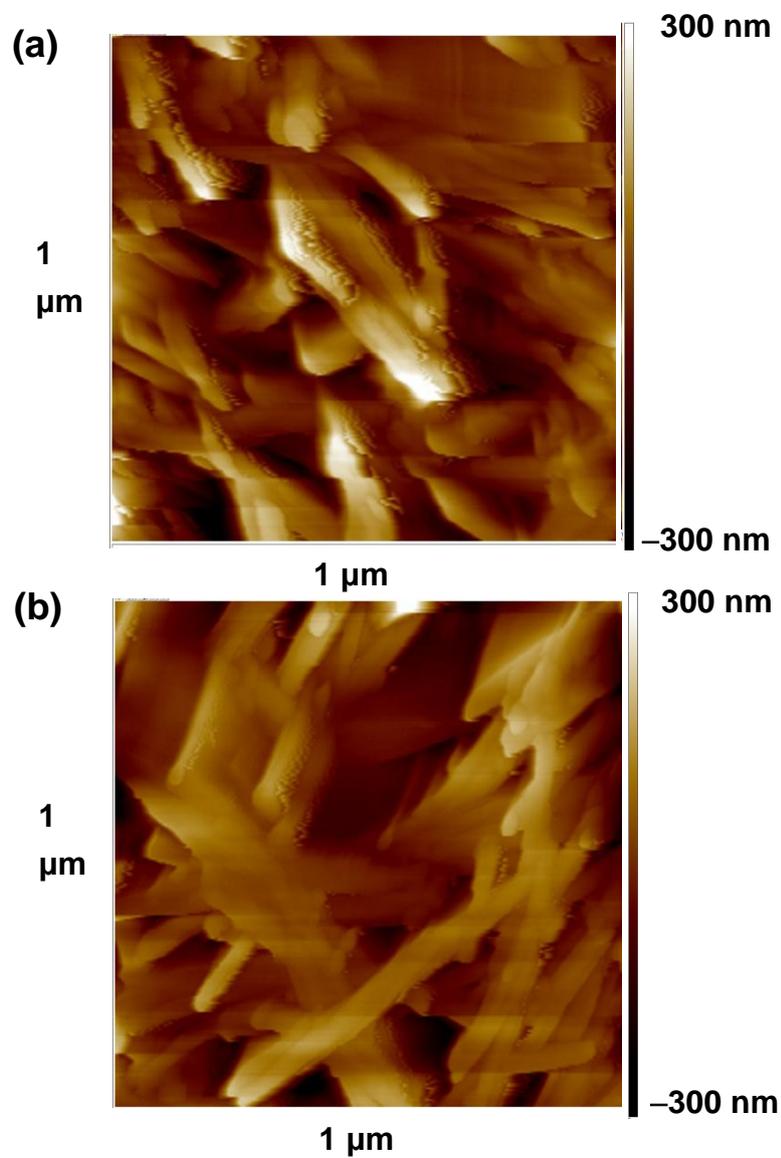


Figure S3. The AFM images of (a) In(OH)₃ needle-like and (b) In₂O₃ needle-like NBs.

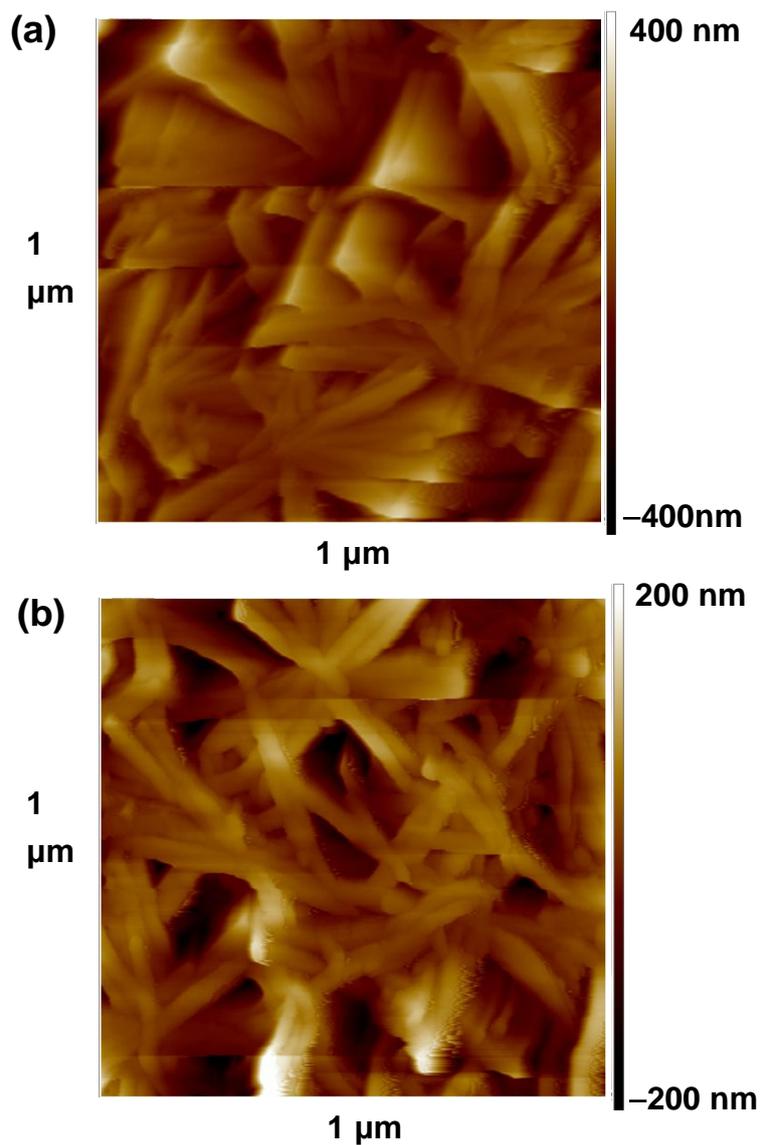


Figure S4. The AFM images of (a) In(OH)₃ flower-like nanobundles and (b) In₂O₃ flower-like nanobundles.