

Electronic Supplementary Information (ESI)

Enlarging the application of potassium titanate nanowires as titanium source for preparation of TiO₂ nanostructures with tunable phases

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XPS date report:

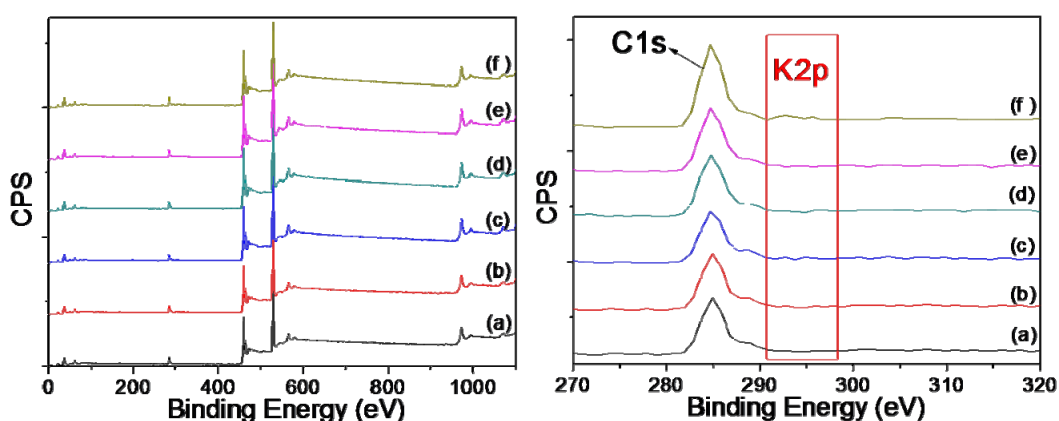


Fig. S1 X-ray photoelectron spectra (Left: full spectra; Right: K2p) of the samples with single or mixed TiO₂ phases: (a) rutile, (b) brookite/rutile, (c) brookite/rutile/TiO₂(B), (d) TiO₂(B), (e) TiO₂(B)/anatase, (f) anatase. There was no residual potassium in all the prepared TiO₂ nanocrystals.

TEM and HRTEM images of coupled phases:

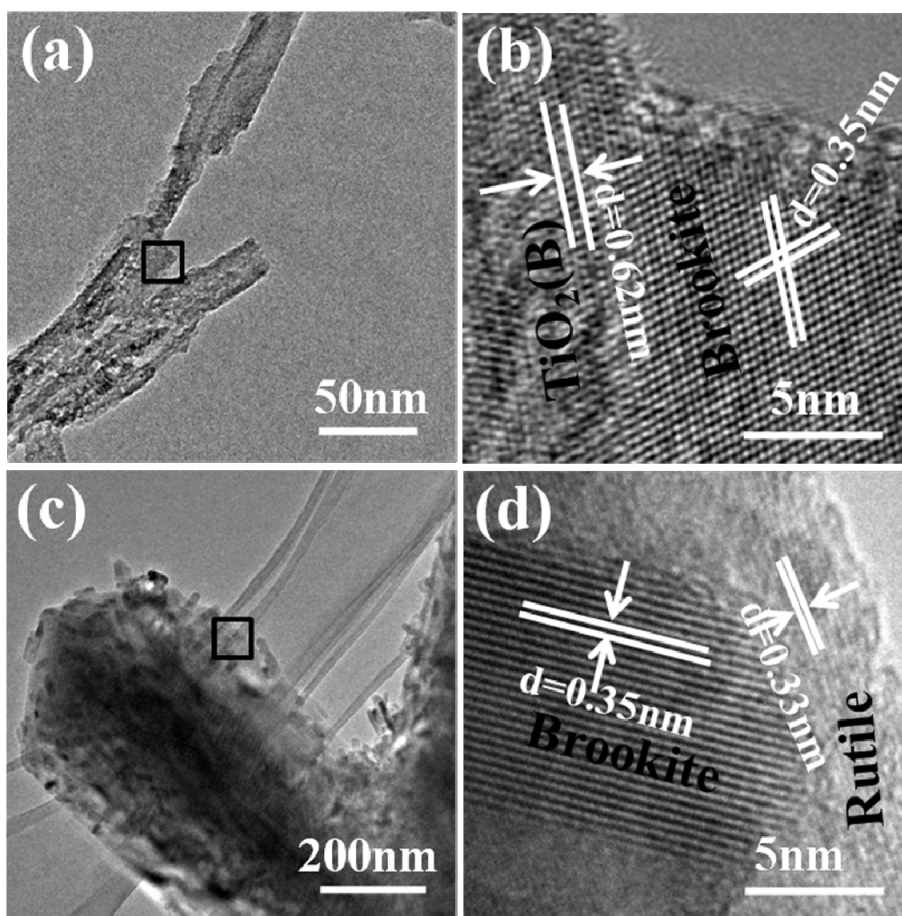


Fig. S2 Transmission electron microscopy (TEM) and high-resolution TEM (HRTEM) images of coupled-phase TiO₂ samples: (a)-(b) TiO₂(B)/brookite, (c)-(d) brookite/rutile.