Electronic Supplementary Information

Growth of Single-Crystalline Rutile TiO₂ Nanowires Array on Titanate Nanosheet Film for Dye-Sensitized Solar Cells

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Fig. SI-1 Top view SEM images showing the growth process of TiO₂ nanowire on bare conductive FTO substrate: a) before hydrothermal reaction, and hydrothermal reacted with titanium precursor being present for b) 1h, c) 2h, d) 8h. The epitaxial relationship between FTO and rutile nanowires leads to the nanowires first grow along the epitaxial interface, and then experience secondary nucleation and begin to grow to nanowire arrys.

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