

Electronic Supplementary Information

Synthesis of {010}-Faceted Anatase TiO₂
Nanoparticles from Layered Titanate for
Dye-sensitized Solar Cells

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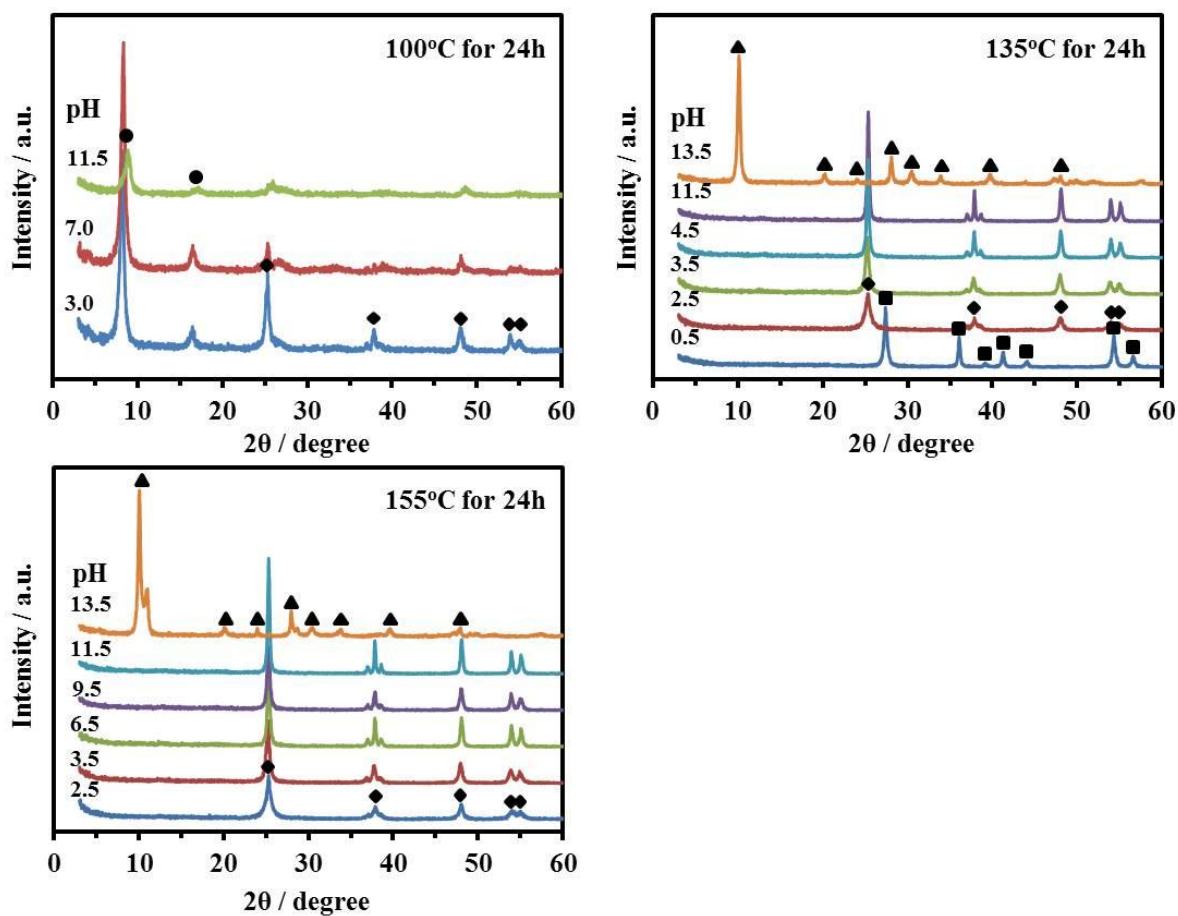


Figure S1. XRD patterns of products obtained by hydrothermal treatment of PA-HTO nanosheet solutions at 100°C, 135°C and 155°C for 24h, respectively. ●: PA-HTO phase; ■: rutile phase; ◆: anatase phase and ▲: K-HTO phase.

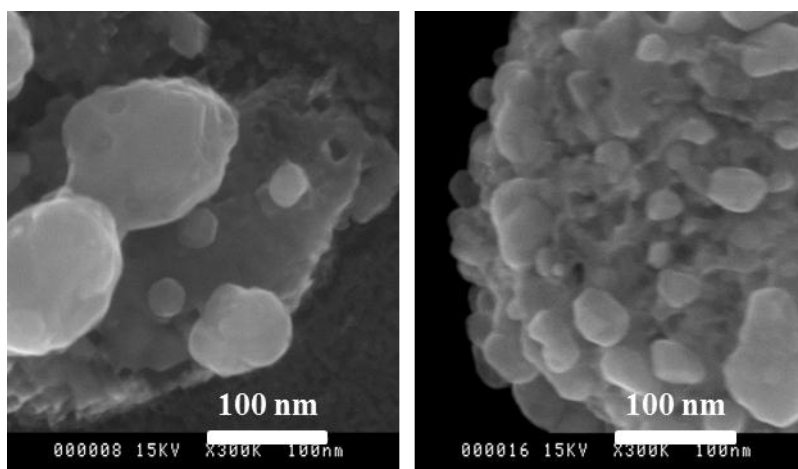


Figure S2. FE-SEM images of PA-135-0.5 samples. This sample is single rutile phase.

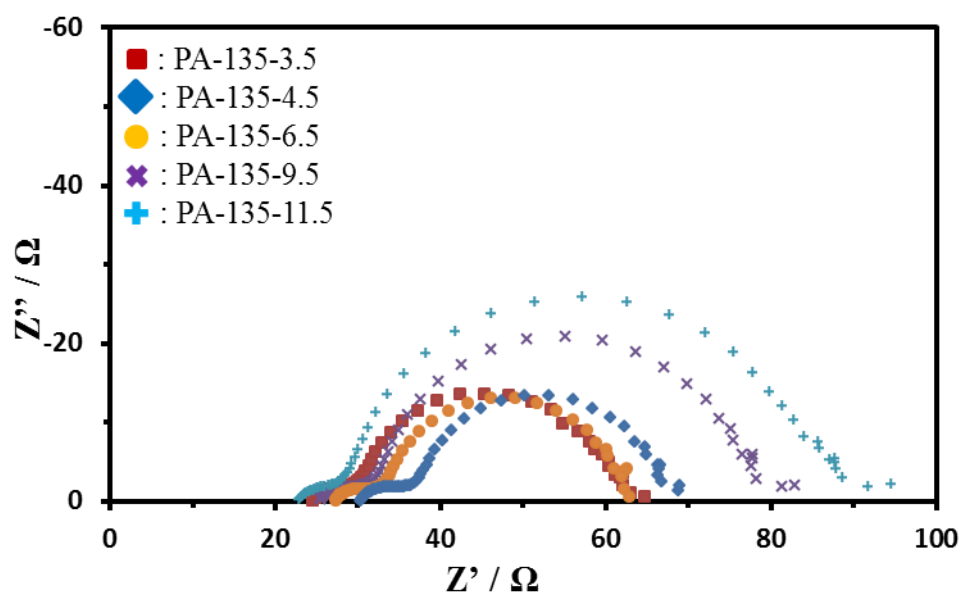


Figure S3. Electrochemical impedance spectrum of DSSCs prepared using the products obtained by hydrothermal treatment of PA-HTO nanosheet solution at 135°C for 24h.

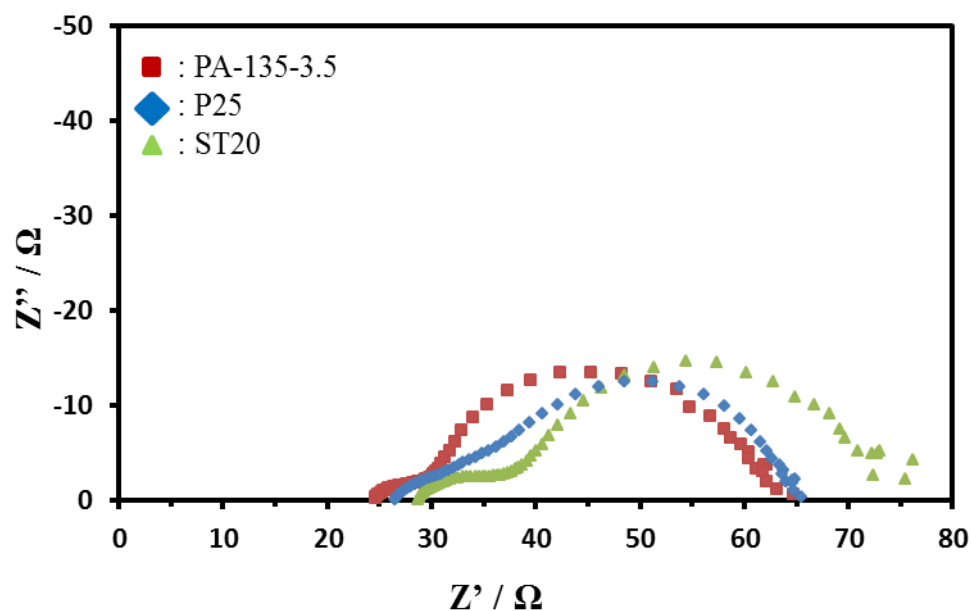


Figure S4. Electrochemical impedance spectra of DSSCs fabricated using PA-135-3.5, P25 and ST20 samples.