

Supporting Information

Applying Alloyed Metal Nanoparticles to Enhance Solar Assisted Water Splitting

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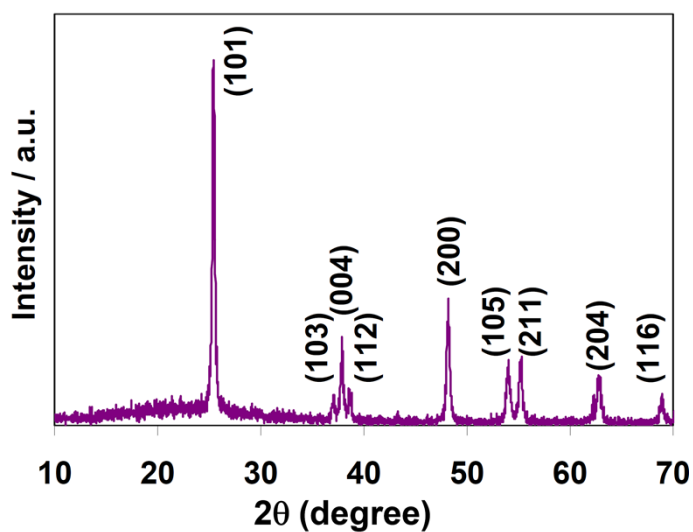


Figure S1. XRD spectra of the annealed TiO₂ samples representing formation of anatase crystalline phase with an average size of 22 nm obtained from Scherrer equation.

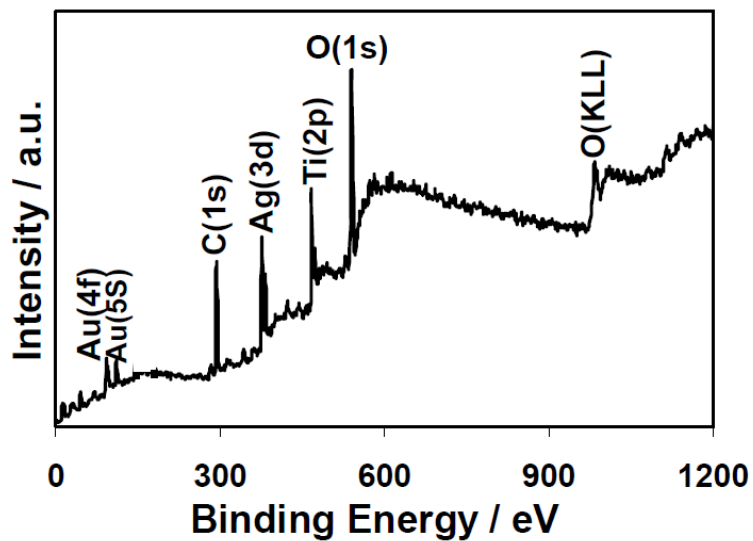


Figure S2. XPS survey spectra of the annealed GSANPS-TiO₂ films.

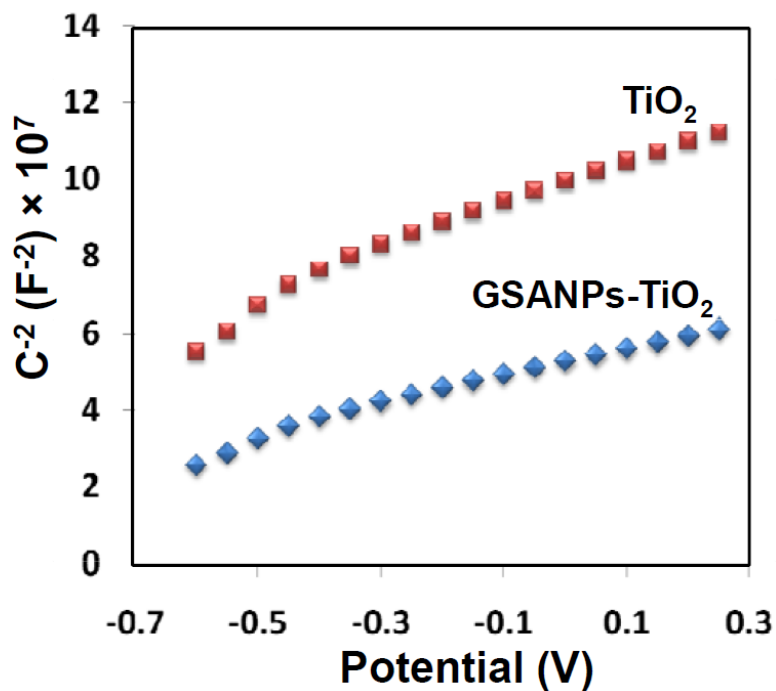


Figure S3. Mott-schottky plots of the prepared TiO₂ and GSANPS-TiO₂ photoanodes in a frequency of 1 kHz.