Enhanced photoelectrochemical water splitting of CrTiO₂ nanotube

photoanodes by decoration of their surface via photodeposition of Ag and Au

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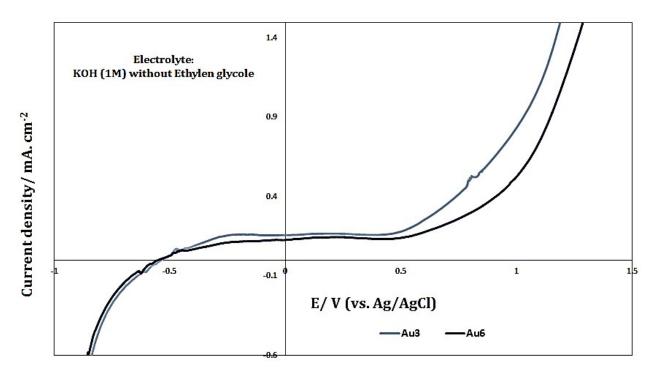


Fig. S1. LSV of Au2/CrTiO₂NTs and Au6/CrTiO₂NTs in KOH (1M) solution without ethylene glycol. The anodic peak was eliminated by removing ethylene glycol from the solution

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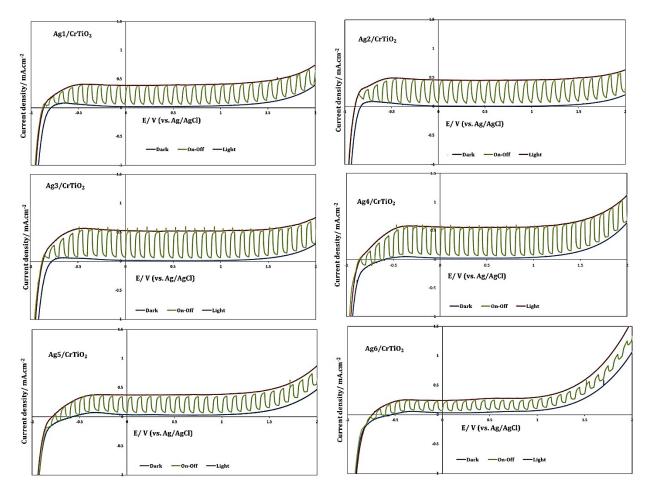


Fig. S2. LSV of Ag/CrTiO₂ NTs samples recorded in KOH (1 M) aqueous solution containing 5% V ethylene glycol in the dark, under constant illumination and chopped light irradiation

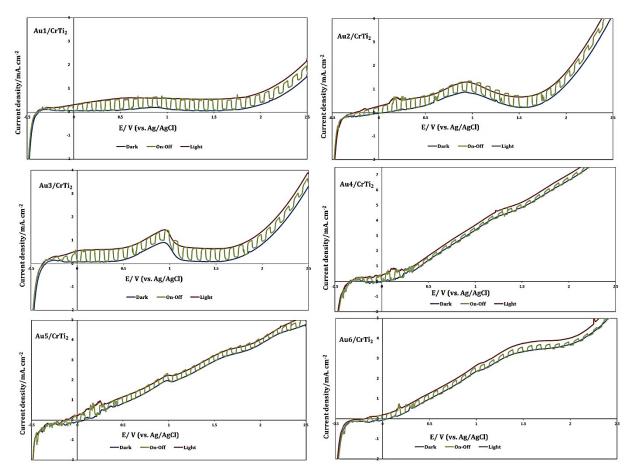


Fig. S3. LSV of Au/CrTiO₂ NTs samples recorded in KOH (1 M) aqueous solution containing 5% V ethylene glycol in the dark, under constant illumination and chopped light irradiation)

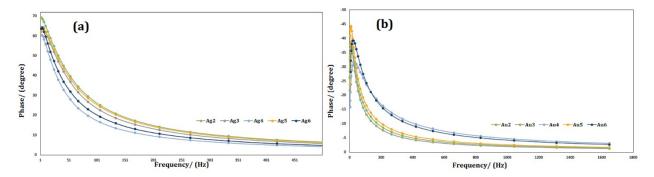


Fig. S4. The Phase diagram of Ag/CrTiO₂ NTs (a) and Au/CrTiO₂ NTs (b) at different times of photodeposition measured at 0.2 V vs. Ag/AgCl, in the presence of the illumination 200 mW cm⁻²