



Supplementary Materials

TiO₂ Nanostructures for Photoelectrocatalytic Degradation of Acetaminophen

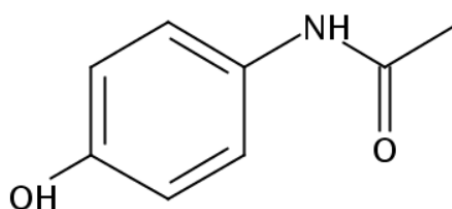


Figure S1. Structure of acetaminophen.

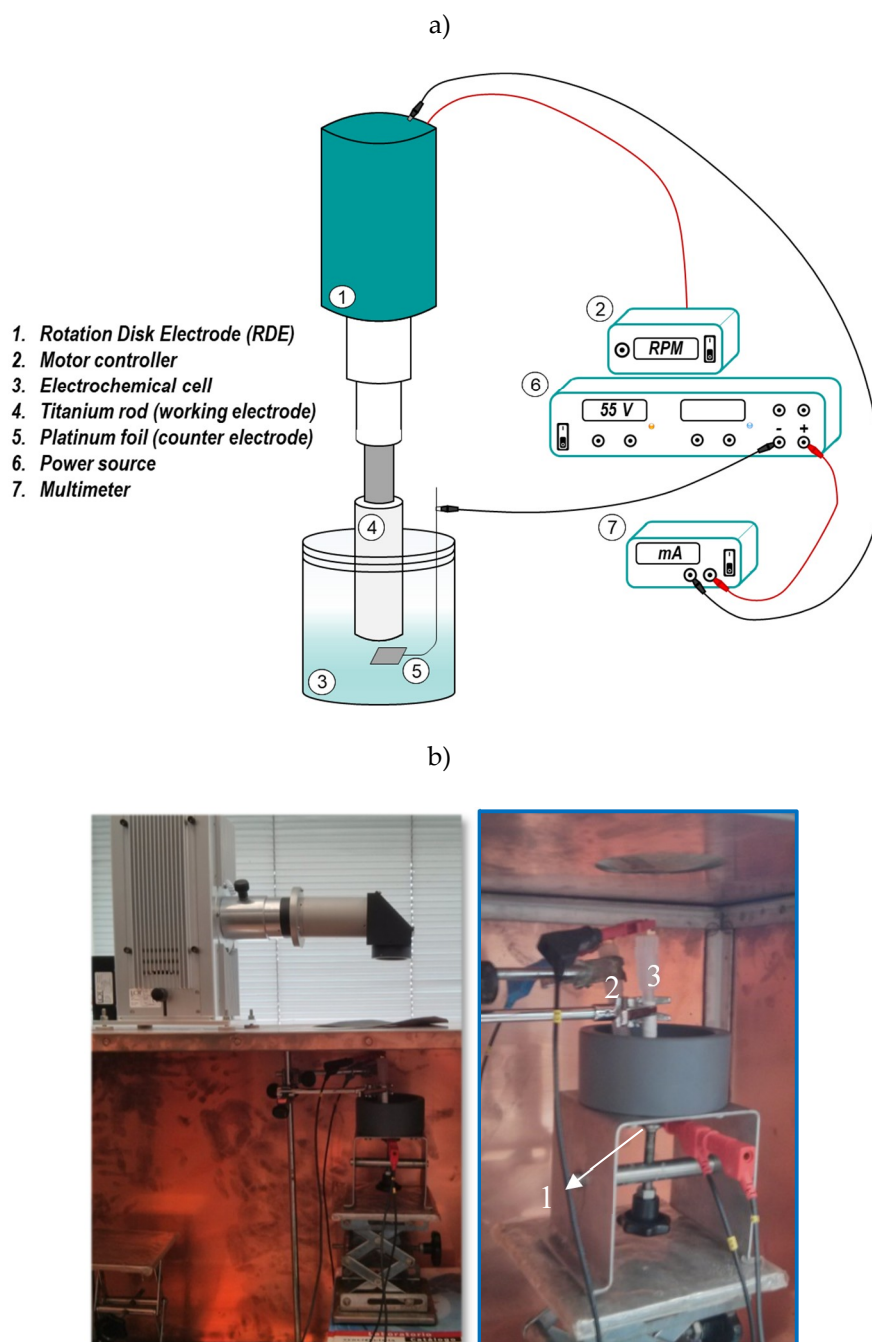


Figure S2. (a) Scheme of the electrode configuration during electrochemical anodization. (b) Photograph of the photoelectrochemical setup for electrochemical characterization of the TiO_2 samples: (1) working electrode, (2) reference electrode, and (3) counter electrode.

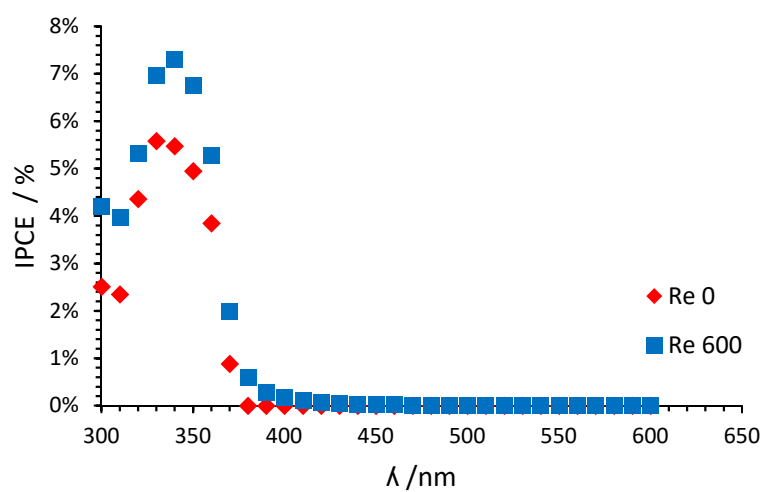


Figure S3. Incident photon-to-current efficiency (IPCE) measurements for the nanotubes anodized at $Re = 0$ (length = 3.7 μm) and $Re = 600$ (length = 6.1 μm).

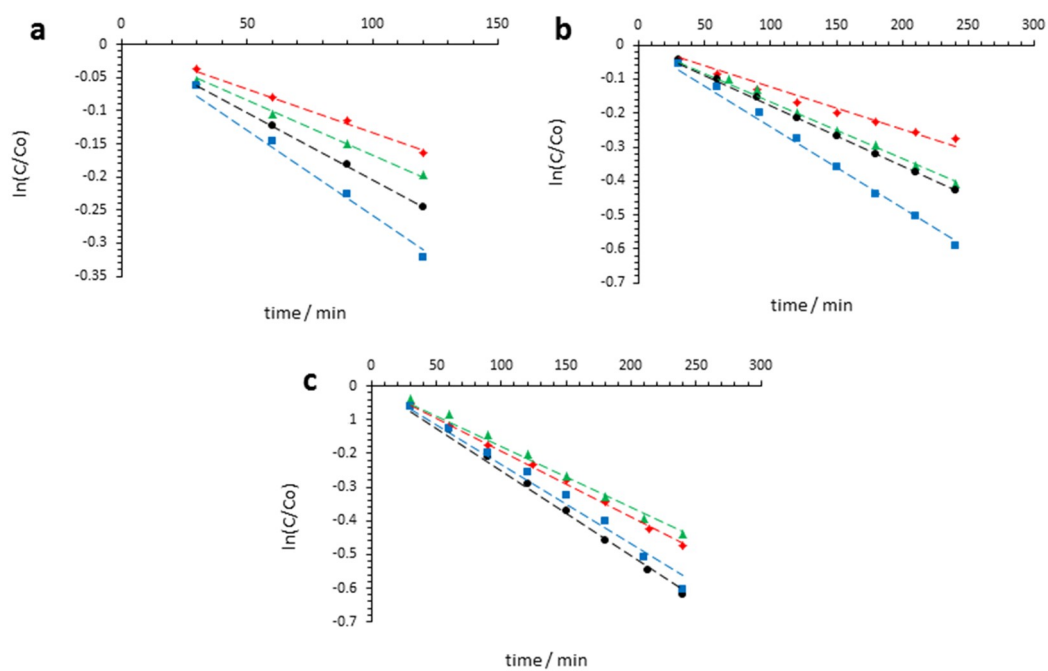


Figure S4. Pseudo-first-order kinetics obtained from the fitting of the PEC degradation efficiencies of acetaminophen (Figure 3) with TiO₂ nanostructures anodized (at *Re* 0, 200, 400, and 600 with lengths of 3.7, 5.0, 5.4, and 6.1 μm, respectively) for (a) pH 3, (b) pH 7, and (c) pH 9.