

Morphology, photocatalytic and antimicrobial properties of TiO₂ modified with mono- and bimetallic copper, platinum and silver nanoparticles

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Supplementary data

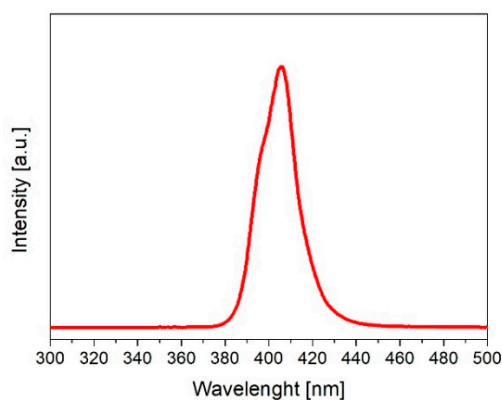


Figure S1. Emission spectrum of a set of LED diodes

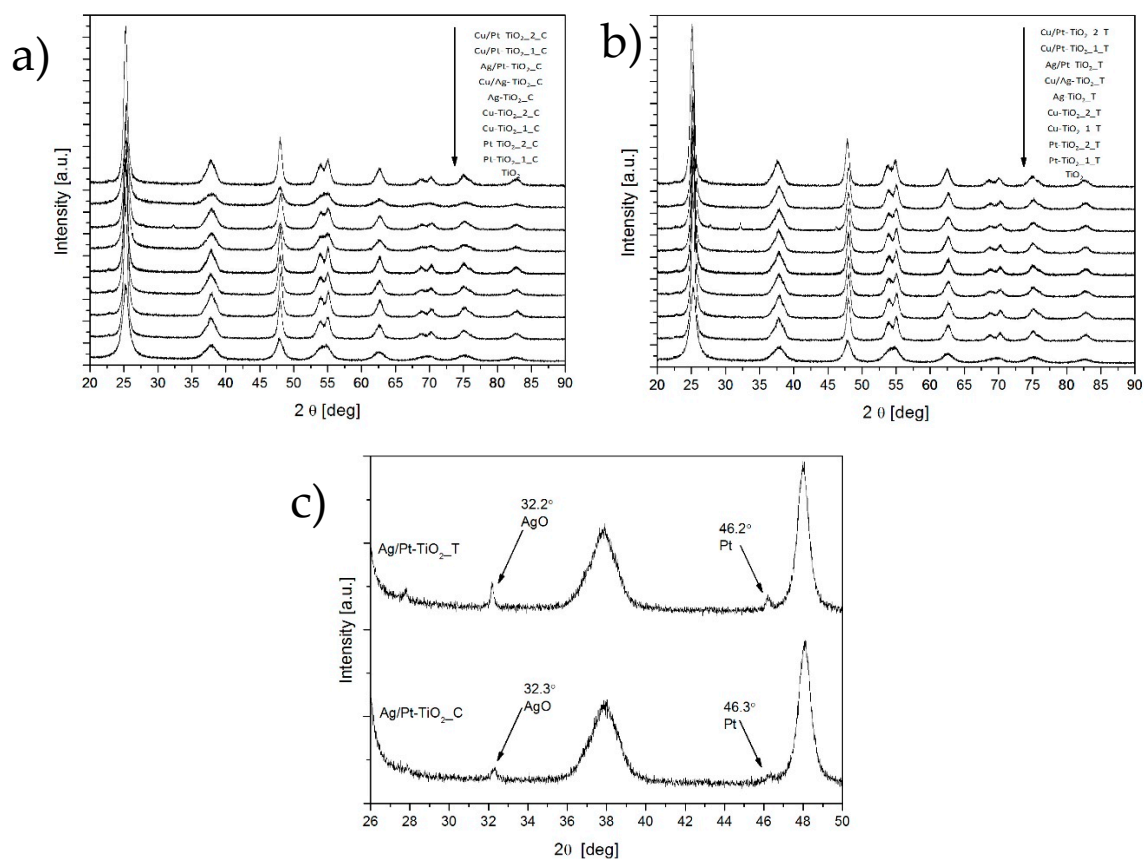


Figure S2. XRD patterns of a) chemically reduced, b) thermally reduced and c) magnification in the 2θ range of 26-50° for Ag/Pt-TiO₂_C and Ag/Pt-TiO₂_T

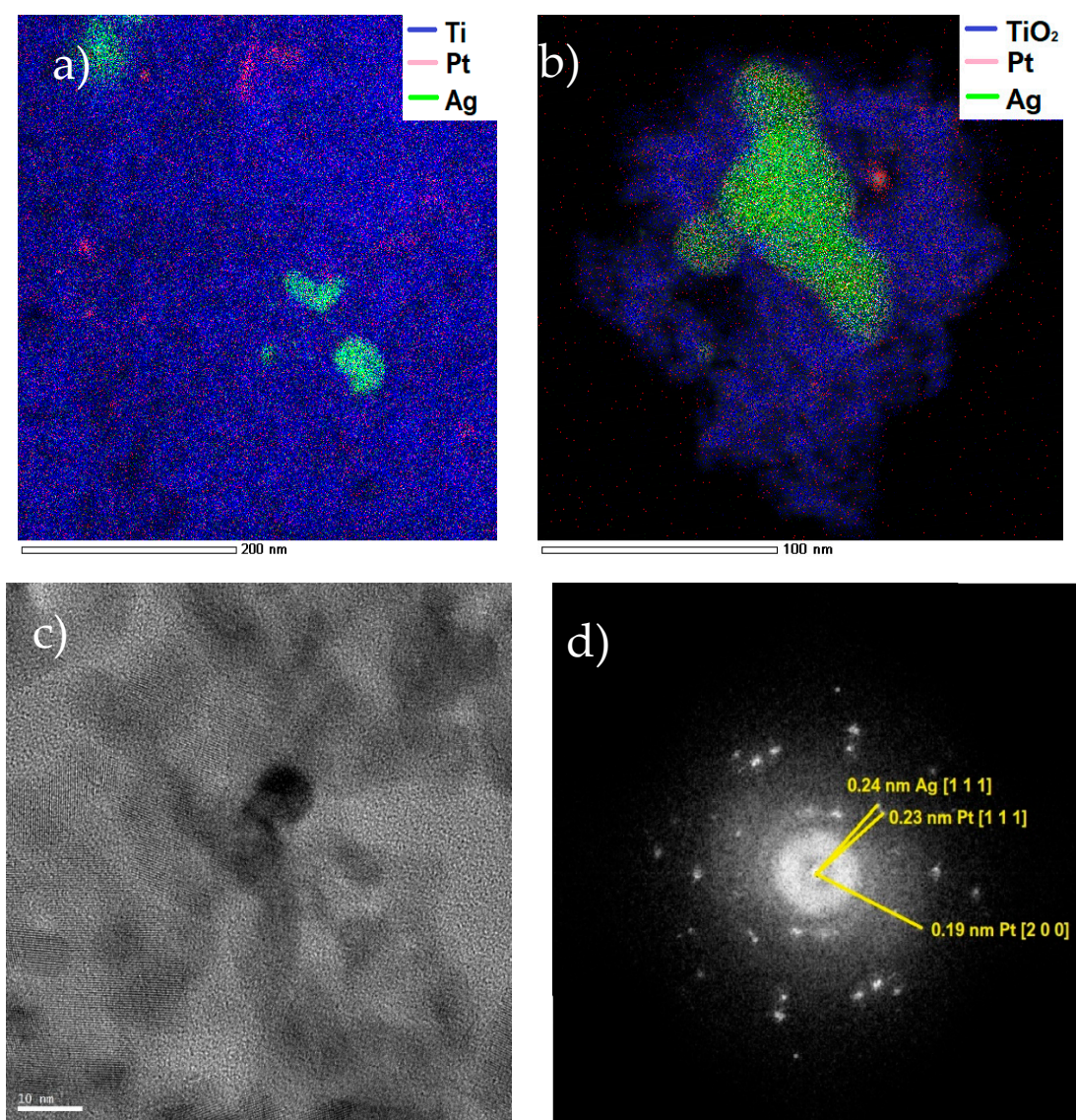


Figure S3. A) and b) EDS mapping, c) TEM image and d) FFT analysis for Ag/Pt-TiO₂_C

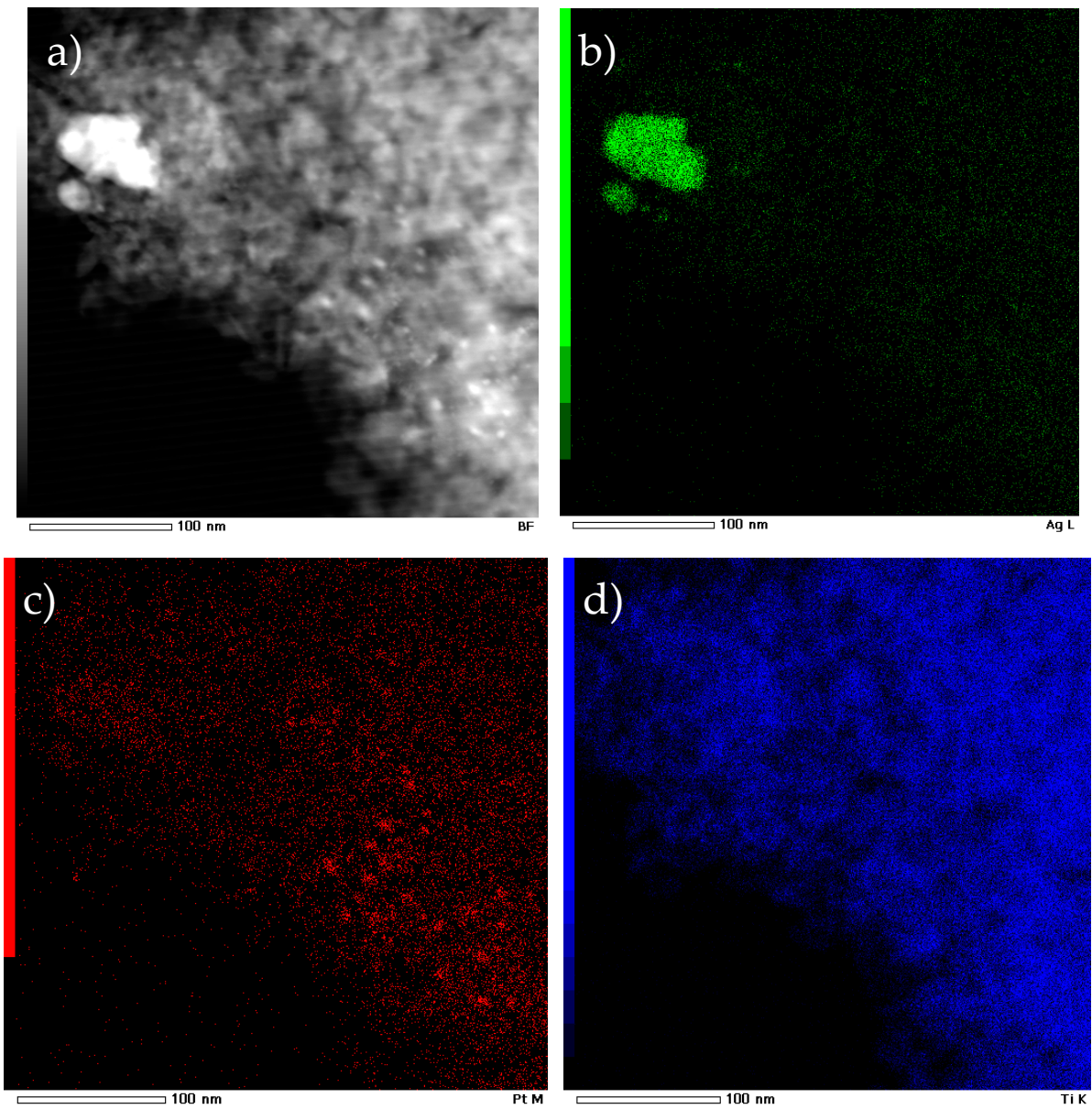


Figure S4. A) Dark-field scanning transmission (DF-STEM) microscopy and EDS mapping of b) silver, c) platinum and d) titanium for Ag/Pt-TiO₂_T

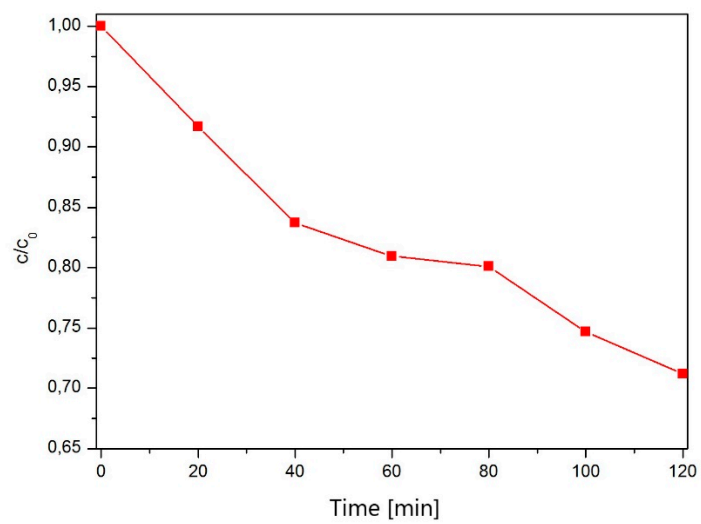


Figure S5. Phenol oxidation with Pt-TiO₂_1_T using LED system