

Size-dependent Photocatalytic Reduction of CO₂ with PbS Quantum Dot Sensitized TiO₂ Heterostructured Photocatalysts†

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Electronic Supplementary Information

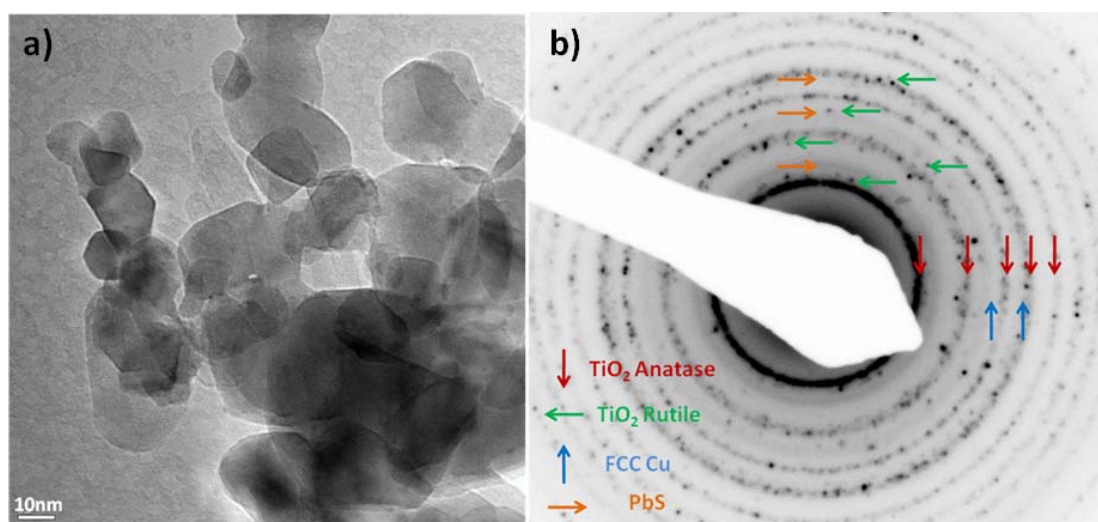


Fig. S1 (a) Conventional TEM image of 4 nm PbS QD sensitized Cu/TiO₂ photocatalysts and (b) corresponding selected area diffraction pattern showing evidence for all expected phases (TiO₂ Anatase, TiO₂ Rutile, FCC Cu, and FCC PbS). The PbS QDs and Cu particles are difficult to identify unambiguously in conventional TEM images but regions that can be indexed according to these phases have been identified in high resolution TEM images.