Electronic Supplementary Material (ESI) for RSC Advances

Stable nano-size copper and its oxide particles using cobalt tetraamino phtlalocyanine as a stabilizer; Application to electrochemical activity

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Supporting information

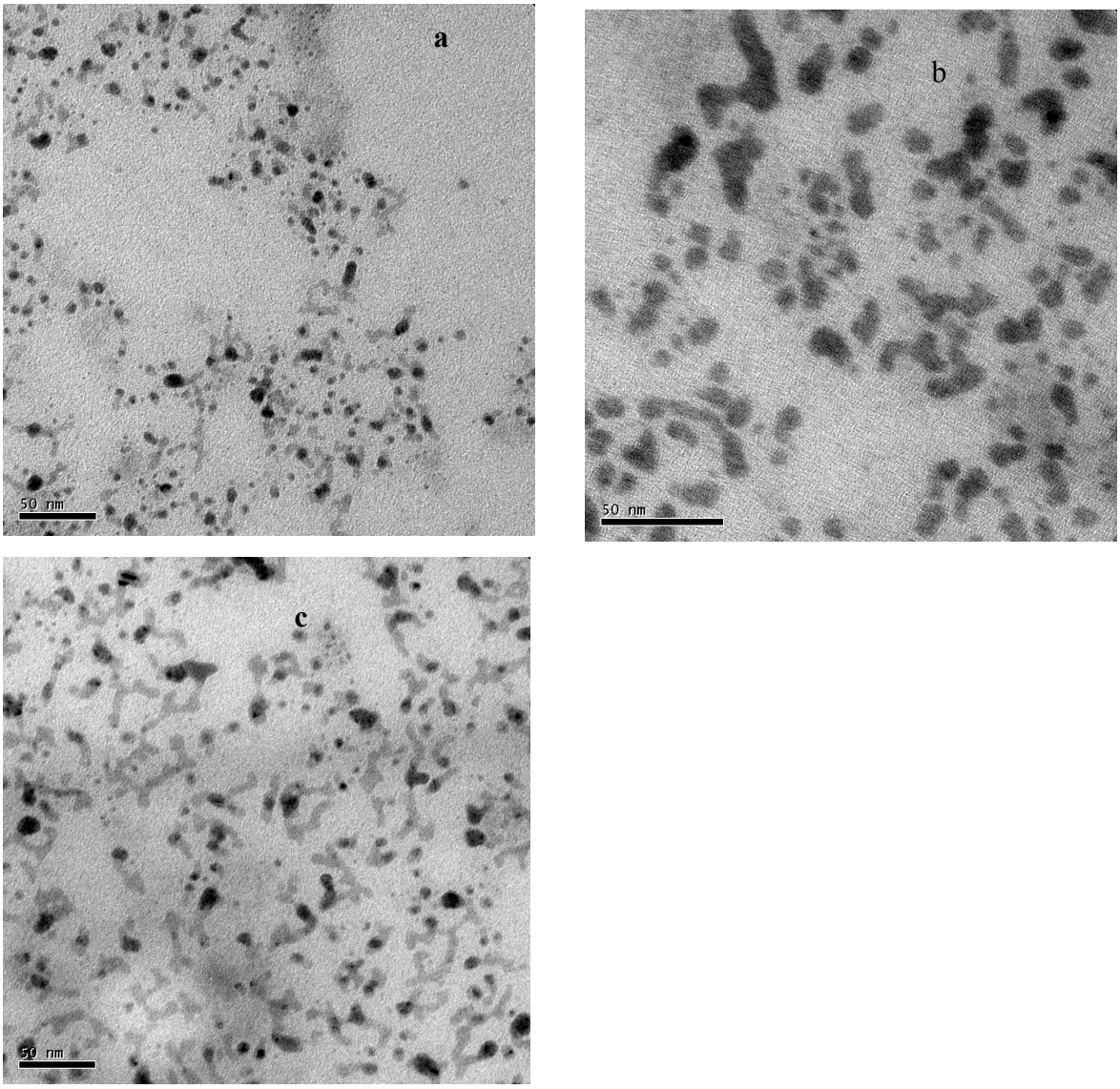

Figure 1S **TEM image of copper oxide nanoparticles after exposing capped copper nanoparticles to air for (a) 4h, b) 12h, and c) 3days**

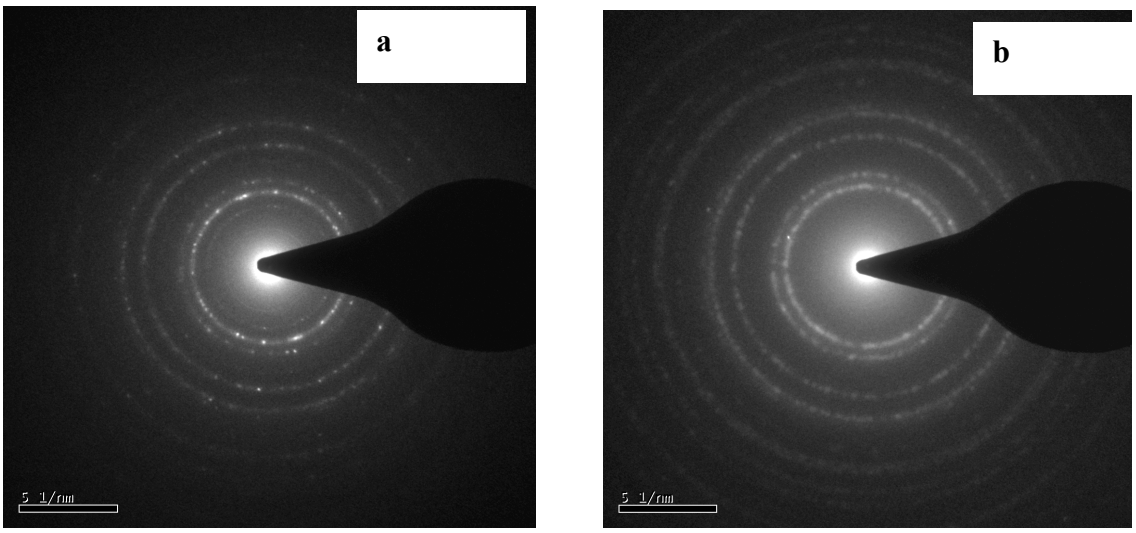

Figure 2S Small area electron diffraction (SAED) pattern of copper oxide nanoparticles after exposing capped copper nanoparticles to air for a) 6h, b) 12h.

Table IS: EDAX quantitative elemental analysis data for copper nanoparticles after one day exposure to air

Element	Weight%	Atomic%
C (K)	56.75	69.34
O(K)	0.78	0.70
N(K)	24.76	25.91
Cu(K)	9.21	2.01
Co(K)	8.83	2.04